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FIFTH QUADRENNIAL REVIEW OF MILITARY COMPENSATION

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VOLUME IB

SUPPORTING APPENDIXES TO UNIFORMED SERVICES RETIREMENT SYSTEM (H–N)

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JANUARY 1984

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FIFTH QUADRENNIAL REVIEW OF MILITARY COMPENSATION

VOLUME IB SUPPORTING APPENDIXES TO UNIFORMED SERVICES RETIREMENT SYSTEM (H–N)

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DEPARTMENT OF DEFENSE
OFFICE OF THE SECRETARY OF DEFENSE

BLOCK 16. (Cont.)

an Executive Summary, Volume I, IA, IB, IC II and III. Attachment 4 to Appendix I of this volume (IB) is not completed and will be submitted separately. It is expected to be approximately 100 pages.

BLOCK 19. (Cont.)

explained. Included as attachments are: a Users' Manual, listings of Conversational Monitor System (CMS) EXEC programs used to establish the necessary linkages and to execute the model and sample inputs, outputs, and console sessions.

Appendix I describes the other state-of-the-art computer model that was used by the Fifth QRMC, the Annualized Cost of Leaving Model (ACOL). The appendix contains a technical description of the ACOL Model including: a discussion of the reasons for its selection for use by the Fifth QRMC and the QRMC's enhancements to it; a definition of the pay elasticities of changing discount rates; a detailing of the QRMC analytical approach (e.g., why certain retirement characteristics were selected for examination); and an assessment of the model's limitations. It also includes, as attachments, an explanation of the derivation of tapered discount rates, the results of application of the ACOL Model to the United States Coast Guard force structure and a listing of personal discount rates and determinants of military retention. The ACOL User's Guide was published separately.

Appendix J explains the "Model Interface Programs." The Fifth QRMC developed two such interface programs and several utility programs in the course of the study to assist in the manipulation of numerical data between the three computer models employed in the analysis of the Uniformed Services retirement system (i.e., ACOL, DMSM and GORGO). This appendix provides a technical description of the algorithms used as a basis for these programs and presents sample outputs of each. It also contains, as attachments, complete documentation in the form of actual terminal sessions and program listings for each of the main programs and their respective subroutines.

Appendix K, "Force Requirements," is comprised entirely of tables reflecting the current objective and baseline steady-state force structures that were submitted by each of the Uniformed Services at the Fifth QRMC request. The data are displayed by total force, total force loss and flow reconciliation for each of the personnel communities (i.e., commissioned officers, warrant officers and enlisted personnel).

Appendix L, "Supporting Analysis Data," consists of the cost data for each of the various retirement options (whether developed by the Fifth QRMC or one of the other major study efforts), additional force structure tables and other material which support the transition of the major retirement alternatives from the steady-state mode into a dynamic state.

Appendix M discusses the issue of "Social Security Integration." Since the Uniformed Services compensation system is not generally thought to be directly integrated with social security, private-sector pension plans provided examples of integration methodology for the assessment presented in this appendix. Three methods are examined: (1) integrating the amount of the retirement plan contribution with social security tax; (2) offsetting the retirement benefit paid to the employee by some percentage of the benefits payable under social security; and (3) providing retirement benefits only on earnings in excess of those earnings upon which social security is based.

Appendix N, "Evaluation and Occupational Force Structures," the final appendix in this volume, describes the service occupational groupings evaluated. The officer and enlisted DoD occupation codes by QRMC-defined category are presented by Service, as are the following four types of figures for each occupational grouping: (1) military pay versus civilian wages, (2) annualized cost of leaving, (3) force structure, and (4) survival rates. A brief description of the methodology employed in the development of the comparison income streams is also presented

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19. ABSTRACT (*Continue on reverse if necessary and identify by block number*)
Volume IB of the multivolume report of the Fifth Quadrennial Review of Military Compensation (Fifth QRMC) provides supplemental and supporting data to the analyses presented in Volume I, Uniformed Services Retirement System, of this Presentially convened, legislatively mandated assessment of the Military Estate Program and active duty Special and Incentive pays, conducte in 1983 and early 1984. Specifically, it contains Appendixes H through N.

Appendix H describes the Defense Manpower Static Model (DMSM), one of the sophisticated computer models that served as the major analytical tools for the assessment of the Uniformed Services retirement system. It is a general purpose model capable of quantifying the changes in force structure and annual costs caused by a change in retention rates or promotion rates. Appendix H provides a technical description of the model and discusses, in depth, the manner in which the Fifth QRMC applied this enhanced version of the Defense Officer Personnel Management System model. The interrelationships between DMSM and the expanded ACOL model are also

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VOLUME IB

DESCRIPTION OF CONTENTS

APPENDIX H. Defense Manpower Static Model (DMSM)

The Defense Manpower Static Model (DMSM) is a general purpose model capable of quantifying the changes in force structure and annual costs caused by a change in retention rates or promotion rates. Appendix H provides a technical description of the model and discusses, in depth, the manner in which the Fifth QRMC applied this enhanced version of the Defense Officer Personnel Management System model. The interrelationships between DMSM and the expanded ACOL model are also explained. Included as attachments are: a Users' Manual, listings of Conversational Monitor System (CMS) EXEC programs used to establish the necessary linkages and to execute the model, and sample inputs, outputs, and console sessions. (The attachments to Appendix H are not included in this volume, but will be included in the final printing.)

APPENDIX I. Annualized Cost of Leaving Model (ACOL)

This appendix contains a technical description of the ACOL Model including: a discussion of the reasons for its selection for use by the Fifth QRMC and the QRMC enhancements to it; a definition of the pay elasticities of changing discount rates; a detailing of the QRMC analytical approach (e.g., why certain retirement characteristics were selected for examination); and an assessment of the model's limitations. It also includes, as attachments, an explanation of the derivation of tapered discount rates, the results of application of the ACOL Model to the United States Coast Guard force structure, and a listing of personal discount rates and determinants of military retention. An ACOL User's Guide will be attached to this appendix for the final printing.

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This appendix is comprised entirely of tables reflecting the current objective and baseline steady-state force structures that were submitted by each of the Uniformed Services at the Fifth QRMC request. The data are displayed by total force, total force losses, and flow reconciliation for each of the personnel communities (i.e., commissioned officers, warrant officers and enlisted personnel).

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This appendix consists of the cost data for each of the various retirement options (developed by the Fifth QRMC or other major study efforts), additional force structure tables and other material which support the transition of the major retirement alternatives from the steadystate mode into a dynamic state.

APPENDIX M. Social Security Integration

Since the Uniformed Services compensation system is not generally thought to be directly integrated with social security, private-sector pension plans provided examples of integration methodology for the assessment presented in this appendix. Three methods are examined: (1) integrating the amount of the retirement plan contribution with social security tax; (2) offsetting the retirement benefits paid to the employee by some percentage of the benefits payable under social security; and (3) providing retirement benefits only on earnings in excess of those earnings upon which social security is based.

APPENDIX N. Evaluation and Occupational Force Structures

This appendix describes the Service occupational groupings evaluated. The officer and enlisted DoD occupation codes by QRMC-defined category are presented by Service, as are the following four types of figures for each occupational grouping: (1) military pay versus civilian wages, (2) annualized cost of leaving, (3) force structure, and (4) survival rates. A brief description of the methodology employed in the development of the comparison income streams is also presented.

APPENDIX H
DEFENSE MANPOWER STATIC MODEL (DMSM)

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LTCOL JOHN E. VAN DUYN, USAF

Defense Manpower Static Model

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DEFENSE MANPOWER STATIC MODEL

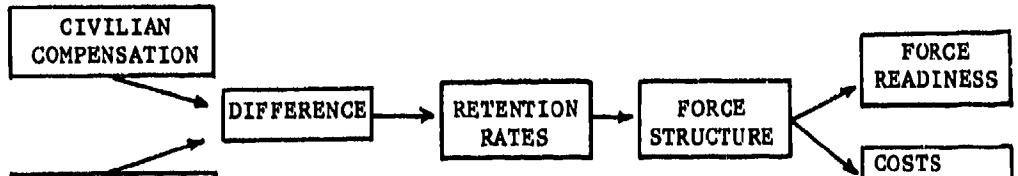
I. OVERVIEW. The Defense Manpower Static Model (DMSM) is a general purpose model capable of quantifying the changes in force structure and annual costs caused by a change in retention rates or promotion rates. It is a descendant of the Defense Officer Personnel Management System (DOPMS) model and bears certain similarities to that model. However, it also reflects a number of changes, most notably those that give the model the capability to handle enlisted and warrant officer populations. It is designed to handle questions at any level of detail, from the total DoD enlisted population to USAF navigators, for example. (Note: The DOPMS model is documented in an unpublished report, "DOPMS Simulation Model, 1973," on file in the Directorate for Officers and Enlisted Personnel Management, OASD (MP&FM).)

II. BACKGROUND.

A. FIFTH QRMC ENVIRONMENT. To fulfill the President's charter to review the current retirement system's contribution to national security objectives, it was imperative to view each Service's manpower force structure as a total system. Of paramount concern was to measure the degree to which a change in the retirement system (or compensation) would affect the force structure, force readiness and cost. In order to accomplish this task, a large volume of data was collected and an extensive network of computer models was developed. The Defense Manpower Static Model (DMSM) was one of these models.

B. ANALYTICAL APPROACH. A Service's manpower force structure may be described by the total manpower level, or strength, and how that strength is distributed -- by community (i.e., commissioned officer, enlisted, warrant officer), skill, grade and years of service (YOS). For the purposes of this study, the strength level was held constant at FY82 levels as were the community, skill, and grade distributions. The only element which varied was the year-of-service profile, or shape, of the force structure. This shape is determined by the retention rates of the personnel within the system. Retention rates, in turn, were determined by the difference in compensation available by staying in the Service compared to leaving the Service for the civilian sector. This is shown schematically in Figure H-1.

Figure H-1
System Overview



While retention is a function of many factors other than just compensation differences and few individuals make such a finite comparison of total earnings, several previous studies have shown that the historic relationship between retention and expected compensation is sufficiently strong and consistent that it can provide a valid basis for these predictions.

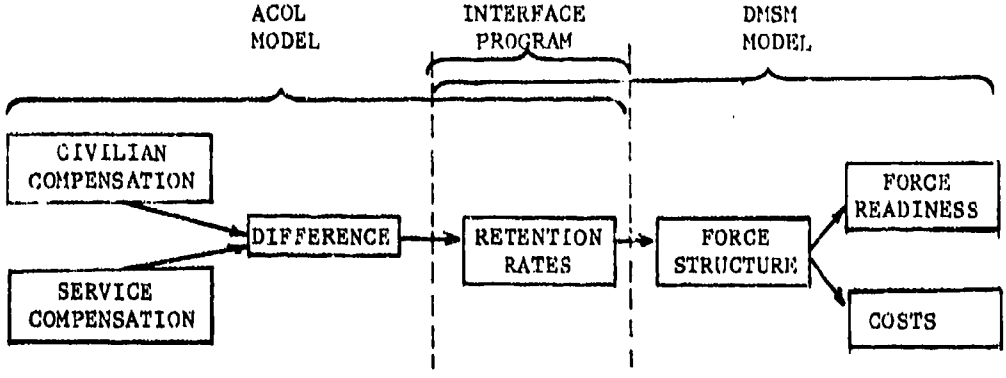
C. STEADY-STATE APPROACH. There are two major ways of examining how changes in compensation policy will impact the active duty force structure -- the dynamic viewpoint and the static, or steady-state, viewpoint. When using a dynamic viewpoint, the analyst begins with the existing force structure, implements certain changes, and evaluates the impact in the future. While this approach tends to be more accurate in a "real world" sense and in terms of the actual short-term budgetary impacts, it also has certain limitations. Because of the inertia of the Service manpower system, caused in part by its being a closed system, it may take 30 or more years of projection before the full impacts are apparent. In fact, in the case of changes to the retirement system, it may take an even longer projection before the final impacts are known. This approach can be time-consuming and inundate the analyst with large amounts of data that confuse, rather than clarify, the long-term impact of the issue.

Typically, in cases where large, long-term changes to the military manpower system are being studied, the approach uses both viewpoints. The static, steady-state approach is used first to reduce the proposed options down to those that appear to be both feasible and practical. While it may take many years to actually reach the steady state, the decisionmaker should choose the alternative that appears to reach the most acceptable eventual outcome. Once the list of feasible alternatives has been narrowed, dynamic projections can be made to determine if there are any significant issues or appreciable differences in transitioning to each alternative still under study. These differences can then be evaluated, along with the steady-state differences, in reaching the final decision. The static approach also permits a large number of projections to be made rapidly to evaluate the sensitivities to various parameters. As a result, a better understanding of the overall system response to changes can be obtained.

D. COMPUTER SUPPORT SYSTEM. To evaluate the many different retirement alternatives, an extensive network of computer models and support programs was constructed. Host computer services were provided under contract by the MITRE Washington Computer Center (MWCC) on an IBM 4341 mainframe. Versions of existing models were obtained from the Office of the Secretary of Defense, the Center for Naval Analyses. and the Defense Manpower Data Center. These initial versions were then modified extensively by the QRMC staff or under contract. Numerous support programs were also developed by the QRMC staff. Several computer languages were used (FORTRAN, APL and SAS), as well as the IBM system software resident on the MWCC host computer (Virtual Machine/System Product - Conversational Monitor System).

Although DMSM can be operated in a stand-alone mode, during the Fifth ORMC it was usually run in conjunction with two other models/programs. Figure H-2 shows the relative scope of each model or program. The Annualized Cost of Leaving (ACOL) model concentrates on the relationship between compensation expectations and the corresponding retention rates. While it contains many other useful features, when used in conjunction with DMSM, its primary usage is to predict the change in retention rates associated with a change in compensation. These changed retention rates are then converted, via an extensive interface program, to a format compatible with DMSM. The DMSM then builds the force structure that satisfies these rates, as well as an overall strength number. While it can only examine one option at a time, it is fast and inexpensive to operate. It is used to closely examine the benchmark cases, to assess a specific option from ACOL, and to fine tune the costs.

Figure H-2
Scope of Models



E. MISCELLANEOUS COMMENTS. Most of the theory and analytical techniques used during the course of the study was available at the outset. However, it existed in bits and pieces or was tailored to a specific Service or population. During the study, every effort was made to extend the theory and produce an analytical tool that could be used for all populations at any level of detail and, potentially, could be available to answer questions beyond those currently under study. While continued improvement is still desirable, significant advances in analytical capability were made. For example, the static model can now simulate the enlisted and warrant officer populations as well as the commissioned officer community. Prior-service and constructive-credit accessions can also be simulated.

In several instances, considerable overlap and duplication is apparent, both in data and models. While some may object that this is inefficient, it served a useful cross-checking purpose in guarding against gross errors and minimizing uncertainty.

III. THEORETICAL DEVELOPMENT.

A. MANPOWER REQUIREMENTS. Any analysis of Service compensation is dependent upon a clear identification and understanding of each Service's desired manpower requirement configured within reasonable and practical constraints.

1. Approach. The ability to attain and maintain a particular force configuration is partially dependent upon compensation policies. In evaluating alternative retirement systems, Service compensation would be changed while civilian compensation was held constant. This, in turn, would produce changes in retention that would result in a change to the overall shape, configuration, of the force structure. However, before exploring alternatives, it was necessary to establish several reference points, or benchmarks, in order to bound the system within the realm of reality. Therefore, three data sets were collected for each category in each community for each Service (this resulted in a total of 82 separate force structures for each data set). These data sets, or force configurations, were:

a. The Baseline Case. This describes the shape of the steady-state force under "ideal" conditions -- retention rates could be optimized so as to result in a steady-state force structure that maximized the contribution to national defense independent of the current compensation system and unconstrained by any considerations of cost, external economic conditions, or historical retention levels. This provides an absolute, requirements-oriented benchmark against which current personnel inventories could be compared. Such comparisons would help identify what changes in the retirement system (or any other part of compensation) would be necessary to move in this direction. While this case might be too costly, it more precisely defines the desired blend between the "young and vigorous" force needed for today's missions and personnel readiness and the experience needed to provide the senior leadership required to execute the mission in both peace and war. It defines desired tenure for individuals of each specialty and grade based upon minimizing annual accessions; maximizing the return from the training and experience investment; and providing a realistic promotion flow to produce quality leadership throughout the officer and enlisted force structures.

b. The Current Objective Case. This describes the shape of the steady-state force under current conditions -- compensation and retention stay at current levels. Because retention rates typically vary according to the health of the economy, it was suggested that the Services use 5-10 year average rates. This provides a steady-state benchmark to calibrate the ACOL model at current compensation and retention levels. By comparing this "current situation" case with the Baseline, "ideal requirement" case, it is possible to evaluate whether existing compensation policies are attracting and retaining sufficient numbers of quality people with the right training and experience necessary to perform the mission. These differences provide a basis for identifying where and by how much compensation policies need to be changed to move toward the "ideal requirement."

c. The End FY82 Case. This describes the actual shape of the force today and provides a benchmark against which to evaluate how the current inventory differs from either of the steady-state cases and also provides the starting point for any dynamic transition simulations.

2. Steady-State Design Considerations. For the two steady-state cases it was necessary to establish some common constraints so they would be comparable in all respects other than the shape or YOS distribution.

a. Strength. The population is restricted to active duty only. The steady-state forces are constrained to a total officer and enlisted strength equal to that authorized in the FY82 column of the FY83 President's Budget (Army: 784,400; Navy: 553,000; Marines: 192,100; Air Force: 580,800). Fiscal Year 1982 was chosen as the benchmark year simply because it was the most recent year for which actual data existed and there was a clear, "real world" statement of the manpower required to accomplish the mission.

b. Exclusions. Several exclusions were necessary to focus on the population that, in general, is subject to the same management rules. Populations specifically excluded are flag/general officers, personnel funded by the Reserve Components appropriations (including TAR personnel in the Navy), cadets/midshipmen, enlisted members in any pre-commissioning program that are included in the active duty strength (e.g., AECP, OTS/OCS, CSEP, prep school, etc.), permanent professors, and recalled retirees.

c. Skill Distribution. Each officer category was defined by the respective Service. The first digit of the DoD occupational code was used to define the enlisted categories (DOD 1312.1-M, the Occupational Conversion Manual, Dec 1982). Table H-1 shows the occupational categories.

Table H-1
Force Structure Strengths (Current Objective Case)

d. Grade Distribution.

(1) Officer populations were constrained to the legal grade ceilings, O-4 through O-6.

(2) Enlisted personnel were constrained to the OSD administrative ceilings for the top six grades (shown below), as well as the legal limits on E-8/E-9 (3% total, 1% E-9). The lower enlisted grades (E-1 through E-3) were aggregated into a single grade, "E-3 and below."

ENLISTED TOP SIX ADMINISTRATIVE GRADE CEILINGS

ARMY	67.1%
NAVY	67.6%
MARINE CORPS	47.7%
AIR FORCE	65.2%

e. Year of Service Distribution.

(1) Maximum YOS: The maximum possible YOS is set at 35 years (commissioned for officers and total for enlisted). Other maximum service points specified in law, either for age or service, apply (e.g., 24 years for O-4's).

(2) Closed System: Constraints imposed by the current closed personnel system also apply. That is, while it may be desirable not to have personnel with less than two YOS, such a system is infeasible.

(3) Steady-State: Each occupational category in the force is a steady-state system capable of maintaining equilibrium (i.e., gains equal losses and strength in each grade and YOS remains the same from year to year).

(4) Distribution Considerations: In the Current Objective case, the YOS distribution is a function of historical retention rates. However, in the Baseline case, the Services were asked to derive the "best" YOS distribution based on considerations of:

- Youth versus experience
- Stagnation versus turnover
- Maintenance of an attractive career progression plan
- Maintenance of an adequate mobilization/training base
- Physical/mental limitations (aging)
- Flexibility in order to adapt to changing requirements
- Maintenance of an adequate influx of "fresh blood" (i.e., enthusiasm, new talent, and latest in technology from the universities, high schools, and private sector)
- Minimizing the proportion of the force in training or not fully qualified in a particular skill
- Job knowledge and technical skill requirements
- Levels of communications skills
- Levels of job content and responsibility
- Organizational hierarchy
- Personnel quality
- Combat versus non-combat requirements

(5) Types of Losses: The YOS distribution is determined by the loss rates of the personnel in the steady-state system. The steps in (a) to (c) below were used by the Services in constructing their loss rate data.

(a) First, the Services accounted for losses that were outside the influence of the compensation system (essentially beyond the Service's control or in the best interests of the Service), such as:

- Deaths
- Disability losses (separation and retirement)
- Involuntary attrition (Losses due to various adverse reasons or failure to meet standards are included in this category; however, it does not include force control losses such as those for promotion failure or high year of tenure.)
- Voluntary attrition (This category includes those losses which are beyond the influence of the compensation system and are permitted in the best interest of the Service; e.g., hardship or humanitarian discharges. It does not include current levels of voluntary attrition simply for the convenience of the member.)

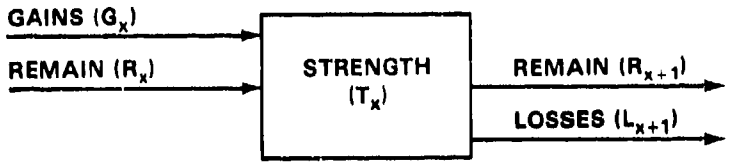
(b) Accounting for the above losses results in a level of retention that represents the maximum achievable from a behavioral standpoint under ideal compensation conditions. Since the underlying assumption of the Baseline case was that everyone wanted to serve for 35 years, there are no additional voluntary losses (separations or retirements). However, since the Current Objective case is a reflection of behavior under the current compensation system, there is an additional increment of voluntary losses that must be added at this point.

(c) The last step is to define the force control losses -- those losses that are the result of the operation of law or Service policy. This provides the means for the Services to constrain the "shape" of the YOS distribution if so desired.

B. MATHEMATICAL RELATIONSHIPS. A building block approach, progressing from the simplest system through various complexities to the state of the current model, is used in the following paragraphs to explain the mathematical operation of the DMSM.

1. Steady State -- Level 1. Consider the system depicted in Figure H-3a. The rectangular box represents the total strength (T), or number of personnel, at a point in time (x). The arrows represent the total number of gains (G), the number who remain in the system (R), and the total number of losses (L) during a unit of time.

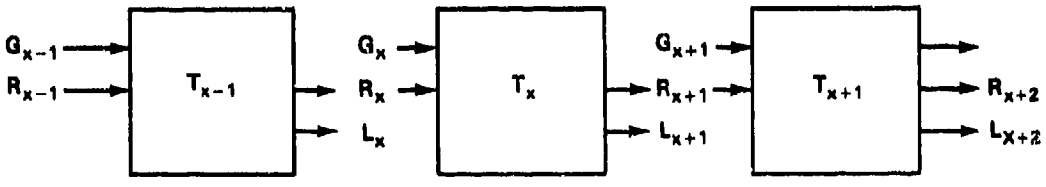
Figure H-3a
System Diagram for Time = x



By inspection, we can write: $T_x = R_x + G_x$ and $T_x = R_{x+1} + L_x$.

We can use a series of these block diagrams to represent the system over time (Figure H-3b).

Figure H-3b
System Diagram Over Time



Since:

$$T_x = R_x + G_x$$

and:

$$R_x = T_{x-1} - L_x ,$$

we obtain:

$$T_x = T_{x-1} - L_x + G_x .$$

We can also introduce rates at this point. Rather than using the number of losses (L), lets define the rate of loss (d) as follows:

$$d_x = \frac{L_x}{T_{x-1}} , \text{ or } L_x = (d_x)(T_{x-1}) .$$

This quantity (d_x) is also called the "turnover rate." By substituting, we obtain:

$$T_x = T_{x-1} - (d_x)(T_{x-1}) + G_x = (1 - d_x)(T_{x-1}) + G_x .$$

The quantity ($1 - d_x$) is also the retention rate (r_x), or the rate at which people remain in the system during time period x:

$$r_x = 1 - d_x = 1 - \frac{L_x}{T_{x-1}} = 1 - \frac{T_{x-1} - R_x}{T_{x-1}} = \frac{R_x}{T_{x-1}} .$$

Now, we shall introduce steady-state conditions. Steady state is defined as the point at which strength, gains and losses remain constant over time, or:

$$T_{x-1} = T_x = T_{x+1} = \ldots T$$

$$G_{x-1} = G_x = G_{x+1} = \ldots G$$

$$L_{x-1} = L_x = L_{x+1} = \ldots L$$

$$R_{x-1} = R_x = R_{x+1} = \ldots R$$

Inserting these conditions into our equations, we see that:

$$T = T - L + G \ ,$$

or

$$G = L \text{ (gains = losses)} \ .$$

Since

$$L = (d)(T)$$

then

$$G = (d)(T) \ ,$$

or

$$T = (1/d)(G)$$

and

$$R = (1 - d)(T) \ .$$

The quantity (1/d), or the reciprocal of the overall loss (turnover) rate, is also defined as the Expected Service Length (ESL), or simply E. It has also been called mean system time, average career length, or expected manyears per accession. It is useful as an overall measure of retention in the system. For instance, in our example, let:

T = 10,000 (total strength, or total steady-state manyears) and
d = 12% (each year 12% leave),

then:

L = (d)(T) = (.12)(10000) = 1200 (each year 1,200 people leave);

G = L = 1200 (each year 1,200 new accessions enter the force);

ESL = 1/d = 1/.12 = 8.33 (on average, 1,200 annual accessions will remain eight and one-third years in the system); and

R = (1 - d)(T) = (.88)(10000) = 8800 (each year 8,800 people remain).

However, while these equations and relationships are useful, they do not give us sufficient detail about the overall shape, or experience level of the force structure. For instance, we could have a force structure like that shown in Figure H-4a, where each of the 1,200 accessions stays exactly 8.33 years, or we could have one like that shown in Figure H-4b, where some stay for 30 years while others leave earlier than the average.

Figure H-4a
System A

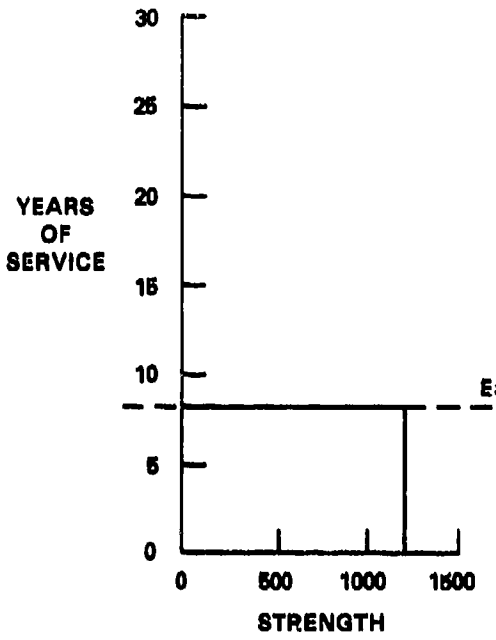
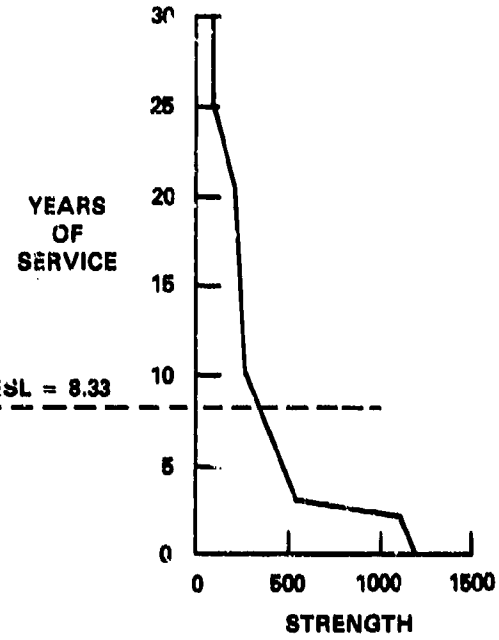


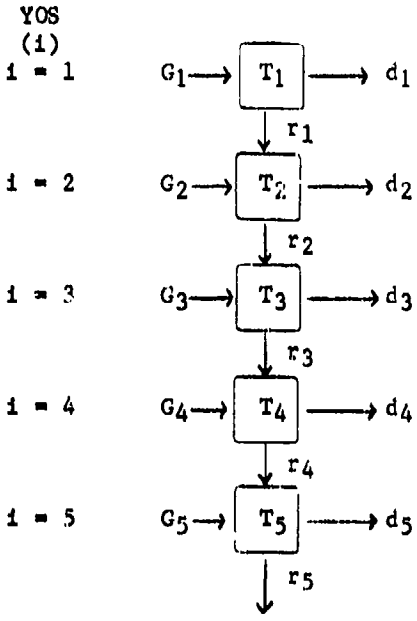
Figure H-4b
System B



Note: The terms "expected service length" and "average career length" have sometimes been confused with average years-of-service, a measure of experience in the force structure. While they may have values very close to one another, they are entirely separate statistics. For instance, in the force shown in Figure H-4a, the expected service length is 8.33, but the average years-of-service is half that, or 4.17 years. In the force shown in Figure H-4b, however, the total strength, annual accessions and expected service length are the same as in Figure H-4a but the "experience" level, or average years of service, is almost doubled to 8.02 years.

2. Steady State -- Level 2. This level adds the years-of-service (YOS) dimensions. We will use the subscript i to designate YOS and, to keep our example less cumbersome, we will limit the YOS dimension to five, as shown in Figure H-5a:

Figure H-5a
YOS System (Conceptual)



We can write our strength equation as:

$$T_i = R_{i-1} + G_i \ .$$

By substituting

$$R_i = T_i r_i \ ,$$

we obtain:

$$T_i = (T_{i-1})(r_{i-1}) + G_i \ .$$

We can then write,

$T_1 = T_0 r_0 + G_1 = G_1$,

$T_2 = T_1 r_1 + G_2 = G_1 r_1 + G_2$,

$T_3 = T_2 r_2 + G_3 = G_1 r_1 r_2 + G_2 r_2 + G_3$,

$T_4 = T_3 r_3 + G_4 = G_1 r_1 r_2 r_3 + G_2 r_2 r_3 + G_3 r_3 + G_4$, and

$T_5 = T_4 r_4 + G_5 = G_1 r_1 r_2 r_3 r_4 + G_2 r_2 r_3 r_4 + G_3 r_3 r_4 + G_4 r_4 + G_5$.

It is useful at this point to introduce a new term called survivor rate (S), which is the rate, or proportion, at which gains in YOS j survive to appear in the strength for YOS cell i. Mathematically:

for i = j ,

$S_i^j = 1.00 = S_1^i$

(Note: where there is a substantial attrition rate in the first year of service, it may be desirable to set this rate to something less than 100%).

For i > j ,

$S_i^j = (S_{i-1}^j)(r_{i-1}) = (S_j^j)[PROD_{k=j,i-1}\ (r_k)]$.

We can then write our strength equations as:

$T_1 = G_1 S_1^1$,

$T_2 = G_1 S_2^1 + G_2 S_2^2$,

$T_3 = G_1 S_3^1 + G_2 S_3^2 + G_3 S_3^3$,

$T_4 = G_1 S_4^1 + G_2 S_4^2 + G_3 S_4^3 + G_4 S_4^4$, and

$T_5 = G_1 S_5^1 + G_2 S_5^2 + G_3 S_5^3 + G_4 S_5^4 + G_5 S_5^5$.

By using superscripts to designate the entry points, we can write equations to represent the strength in YOS i that entered initially in YOS j, that is:

$$T_i^j = G_j S_i^j .$$

The total strength for a particular YOS is:

$$T_i = [SUM_{j=1,i} (T_i^j)] = [SUM_{j=1,i} (G_j^j S_i)] .$$

The total strength for all N YOS that entered in YOS j is:

$$T^j = [SUM_{i=j,N} (T_i^j)] = [SUM_{i=j,N} (G_j^j S_i)] = (G_j)[SUM_{i=j,N} (S_i^j)] .$$

The term in parentheses is also the Expected Service Length of gains in YOS j, E_j.

$E_j = [SUM_{i=j,N} (S_i^j)]$, or the sum of all survivor rates.

It can also be shown that,

$E_j = 1.0 + (r_j)(E_{j+1})$, where $E_N = 1.0$;

therefore,

$$T^j = G_j E_j .$$

From this equation we can write the equation for the total strength for all N years of service:

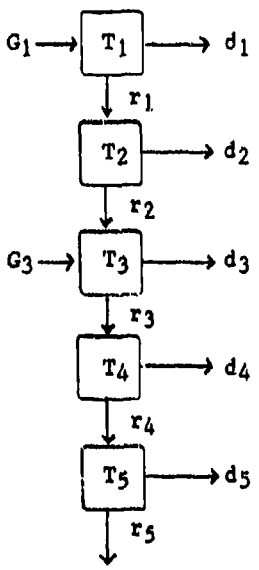
$$T = [SUM_{j=1,N} (T^j)] = [SUM_{j=1,N} (G_j E_j)] ,$$

or stated in words, the total strength in the system is equal to the sum of the gains to the system times their respective Expected Service Lengths.

Example:

Assume loss rates as shown in Figure H-5b, and that gains enter in YOS 1 and 3, but nowhere else ($G_2 = G_4 = G_5 = 0$). Further, $G_3 = (1/4)\ G_1$ and that a total strength of 10,000 is desired.

Figure H-5b
YOS System (Completed)



	d_i	r_i	S_i^1	S_i^3	$T_i^1 = G_1 S_i^1$	$T_i^3 = G_3 S_i^3$	T_i	L_i
	.05	.95	1.000	0	2046	0	2046	102
	.10	.90	0.950	0	1944	0	1944	194
	.15	.85	0.855	1.000	1750	512	2262	339
	.05	.95	0.727	0.850	1488	435	1923	96
	1.00	0.00	0.690	0.808	1412	413	1825	1825
			4.222 (E_1)	2.658 (E_3)	8640 (T^1)	1360 (T^3)	10000 (T)	2558 (L)

$$E_j = [SUM_{i=j,N}\ (S_i^j)]$$

$$T = [SUM_{j=1,N} (G_j E_j)] = G_1E_1 + G_2E_2 + G_3E_3 + G_4E_4 + G_5E_5$$

$$= G_1E_1 + G_3E_3 .$$

Since $G_3 = 0.25G_1$, then $T = G_1E_1 + 0.25G_1E_3 = G_1(E_1 + 0.25E_3)$,

$$G_1 = \frac{T}{E_1 + 0.25E_3} = \frac{10000}{4.022 + (0.25)(2.658)} = 2046 ,$$

$$G_3 = 0.25G_1 = 512 , \text{ and}$$

$$G = G_1 + G_3 = 2558 .$$

Therefore, the <u>overall</u> Expected Service Length for all gains is:

$$E = \frac{T}{G} = \frac{10000}{2558} = 3.909 \text{ years} .$$

The <u>overall</u> turnover rate is the reciprocal, $\frac{1}{3.909}$, or 26%.

The total YOS equals the strength in each YOS cell times the average YOS for all people in that cell. We define the average YOS for a particular cell to be:

$$AYOS_i = i - 0.5 ,$$

then:

$$TYOS = [SUM_{i=1,N} (T_i AYOS_i)]$$

$$= 2046(0.5) + 1944(1.5) + 2262(2.5) + 1923(3.5) + 1825(4.5)$$

$$= 24537 .$$

The overall average YOS is:

$$AYOS = \frac{TYOS}{T} = \frac{24537}{10000} = 2.45 .$$

If we assume that losses out of the last YOS cell are retirements and if we know the average time spent in retired status, we can calculate several other statistics. Assume average time in retired status is 23.7 years, then the total retired population is (1825)(23.7) or 43,253. The ratio of retired population to active duty population is 4.33. The proportion of total gains who eventually retire is 1825/2558, or 71%.

While the data in the above example is purely fictitious, it does illustrate how the model operates and explains the derivation of several useful output statistics.

3. Steady State -- Level 3. The grade dimension is added at this level. Again, to make things less cumbersome, we will limit the YOS dimension to 5 and the grade dimension to 3. This system is shown in Figure H-6a. We introduce a subscript for grade (j), and the variable $P_{i,j}$ to represent the number of people promoted out of YOS i and grade j. We simplify our system by also assuming that promotions are for one grade only; in addition, while we could insert a variable for demotions, we will not. The previous variable R, those who remain in the system, now represents only the number of people who remain in grade as well.

Now, our cell equation becomes:

$$T_{i,j} = R_{i-1,j} + P_{i-1,j-1} + G_{i,j}$$

$$= R_{i,j} + P_{i,j} + L_{i,j} .$$

It can also be shown that,

$$1.0 = r_{i,j} + p_{i,j} + d_{i,j}$$

where:

$$R_{i,j} = (r_{i,j})(T_{i,j}) ,$$

$$P_{i,j} = (p_{i,j})(T_{i,j}) , \text{ and}$$

$$L_{i,j} = (d_{i,j})(T_{i,j}) .$$

For our example we will choose the arbitrary values shown in Figure H-6b. Note that $r_{i,j} = p_{i,j} = 0$ for i=5 and that $p_{i,j} = 0$ for j=3.

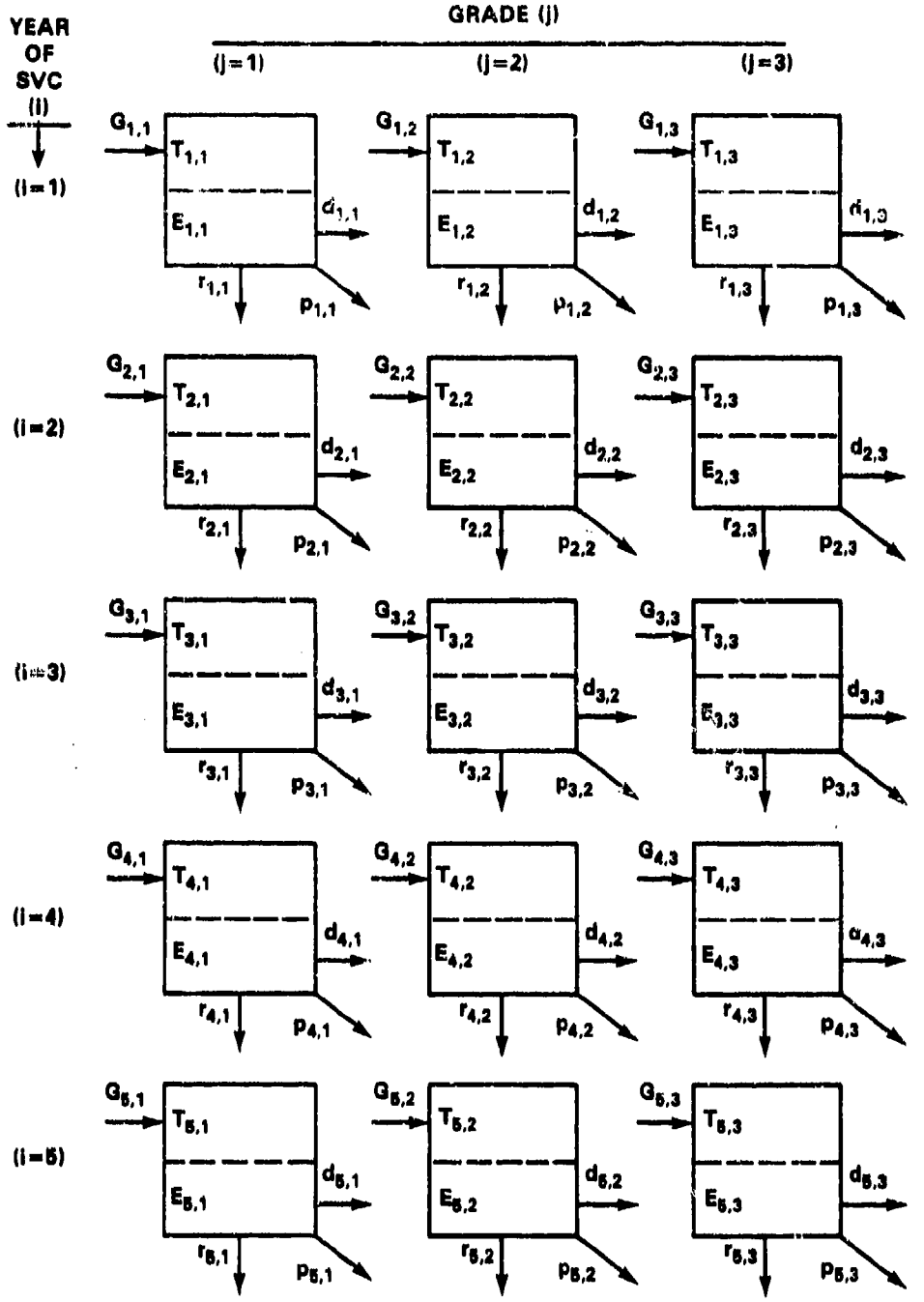
It can be shown that,

$$E_{i,j} = 1.0 + r_{i,j}E_{i+1,j} + p_{i,j}E_{i+1,j+1} .$$

This equation means that the Expected Service Length from any point (i,j) is equal to 1.0 plus the sum of the Expected Service Lengths of the mathematically adjacent cells, (i+1,j) and (i+1,j+1), weighted by the proportion of people from cell (i,j) that move to the adjacent cells. This equation allows us to work backwards through the network, from i=N to i=1, calculating the $E_{i,j}$ as we go.

Using this relationship we calculate the Expected Service Lengths for every cell in the network. These values are shown in the boxes in Figure H-6c.

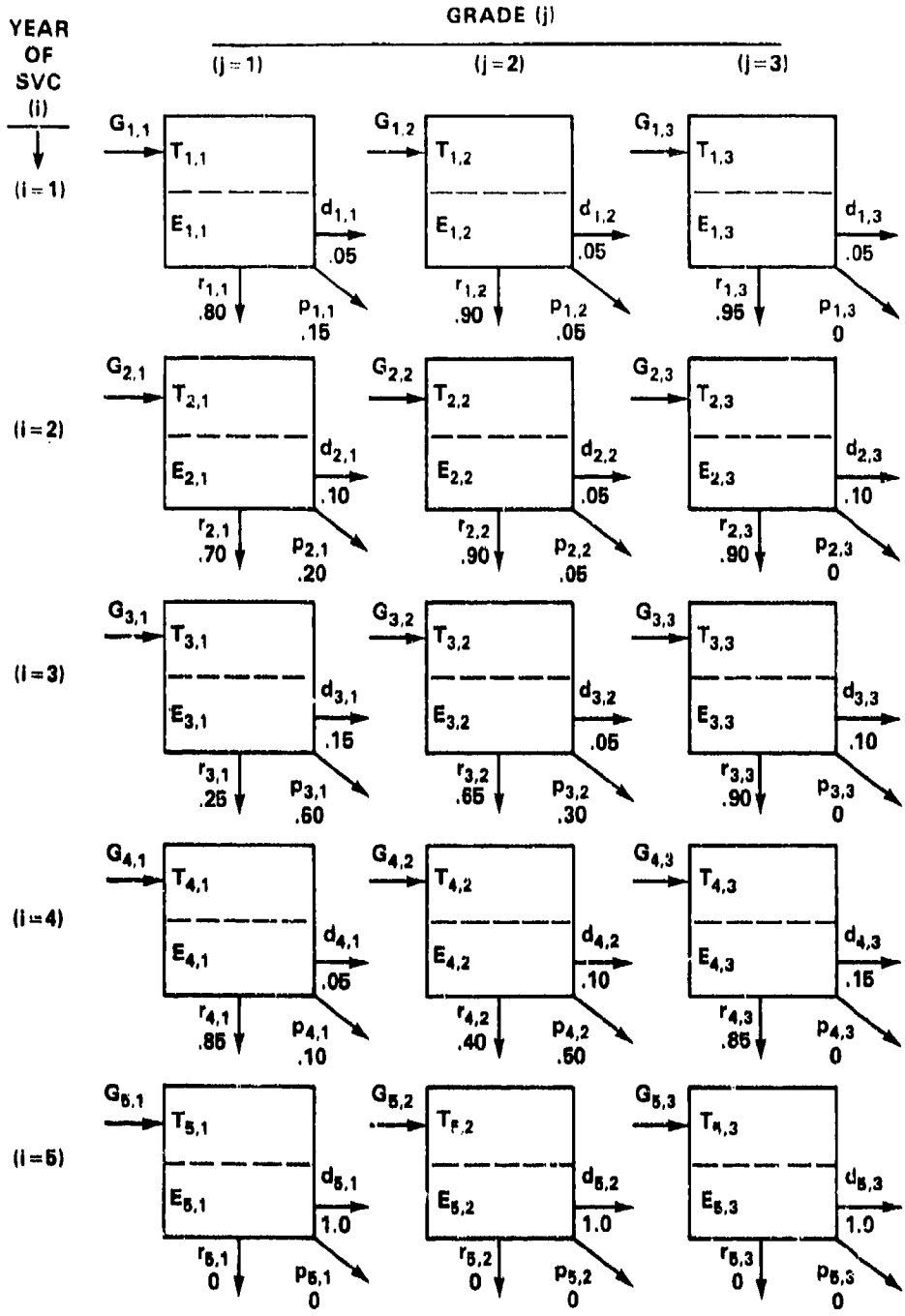
Figure H-8a
Grade by YOS System, Conceptual



LEGEND:

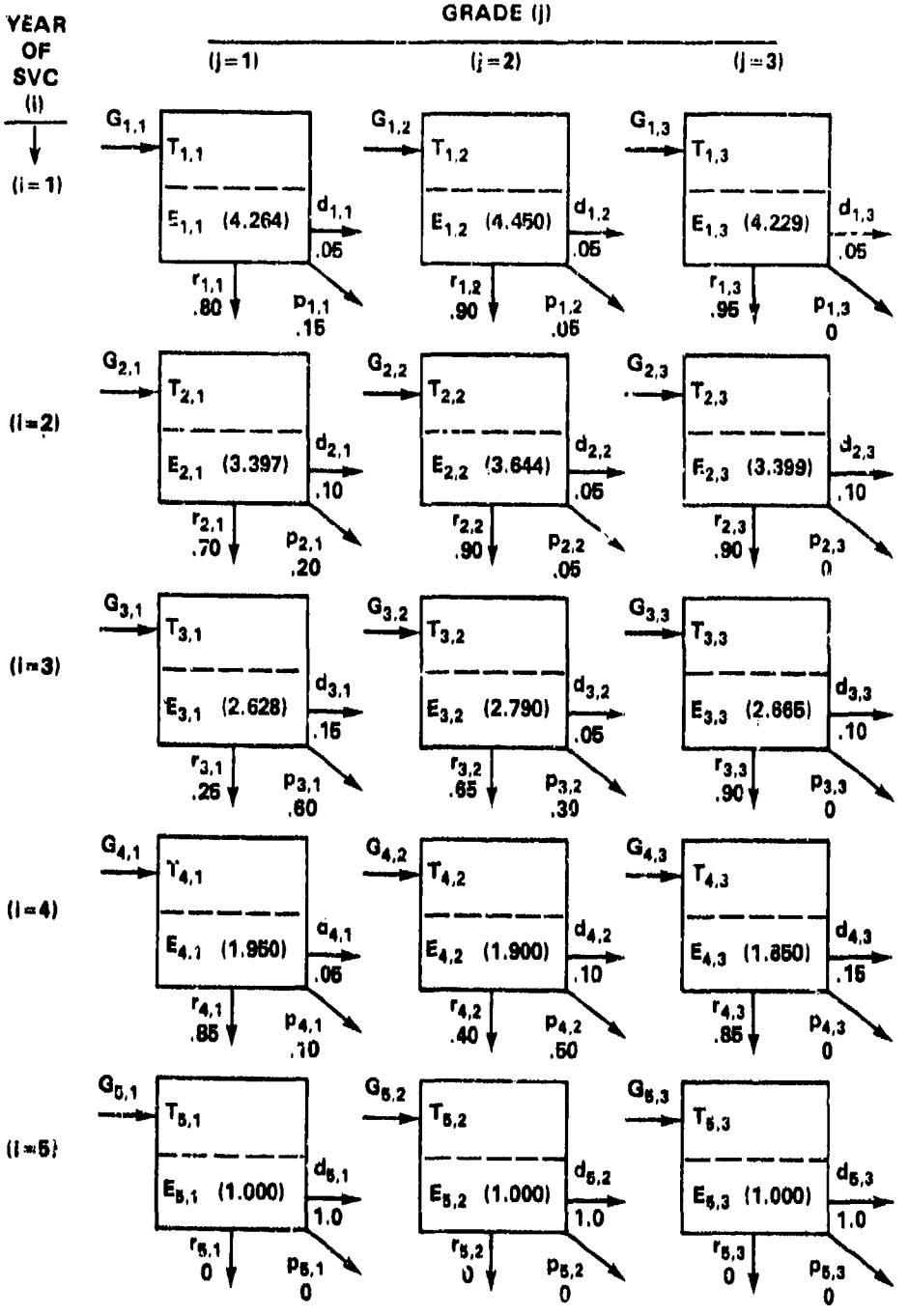
- $T_{i,j}$ = Strength in cell i,j
- $d_{i,j}$ = Annual Loss Rate
- $p_{i,j}$ = Annual Promotion Rate
- $r_{i,j}$ = Annual Remain in Grade Rate
- $G_{i,j}$ = Annual Gains to cell i,j
- $E_{i,j}$ = Expected Service Length for people in cell i,j
- $L_{i,j}$ = Annual Losses
- $P_{i,j}$ = Annual Promotions
- $R_{i,j}$ = Annual Number Remaining in Grade

Figure H-6b
Grade by YOS System with Initial Rates



LEGEND:
- $T_{i,j}$ = Strength in cell i,j
- $d_{i,j}$ = Annual Loss Rate
- $p_{i,j}$ = Annual Promotion Rate
- $r_{i,j}$ = Annual Remain in Grade Rate
- $G_{i,j}$ = Annual Gains to cell i,j
- $E_{i,j}$ = Expected Service Length for people in cell i,j
- $L_{i,j}$ = Annual Losses
- $P_{i,j}$ = Annual Promotions
- $R_{i,j}$ = Annual Number Remaining in Grade

Figure H-6c
Grade by YOS System with Expected Service Length



LEGEND:

- $T_{i,j}$ = Strength in cell i,j
- $d_{i,j}$ = Annual Loss Rate
- $p_{i,j}$ = Annual Promotion Rate
- $r_{i,j}$ = Annual Remain in Grade Rate
- $G_{i,j}$ = Annual Gains to cell i,j
- $E_{i,j}$ = Expected Service Length for people in cell i,j
- $L_{i,j}$ = Annual Losses
- $P_{i,j}$ = Annual Promotions
- $R_{i,j}$ = Annual Number Remaining in Grade

Now our task is to complete the network by computing the number of people in each cell and the number of people for each of the gain, loss, promotion or remain-in-grade transactions. First of all, lets assume we want a total strength of 10,000 (T = 10,000). Further, lets arbitrarily decide that $G_{3,2} = 100$ and that $G_{1,1} = 2G_{1,2} = 4G_{1,3}$. All other gain vectors are zero. From before we know that,

$$T = SUM_{i=1,N} [SUM_{j=1,M} (T^{i,j})]$$

$$= SUM_{i=1,N} [SUM_{j=1,M} (G_{i,j}E_{i,j})]$$

$$= G_{1,1}E_{1,1} + G_{1,2}E_{1,2} + G_{1,3}E_{1,3} + G_{3,2}E_{3,2}$$

Inserting our known quantities and other relationships:

$$10000 = (4G_{1,3})(4.2644) + (2G_{1,3})(4.4498) +$$

$$(G_{1,3})(4.2286) + (100)(2.79) ,$$

therefore:

$$G_{1,3} = 322$$

$$G_{1,2} = 644$$

$$G_{1,1} = 1288 ,$$

and:

$$T^{1,1} = 5493$$

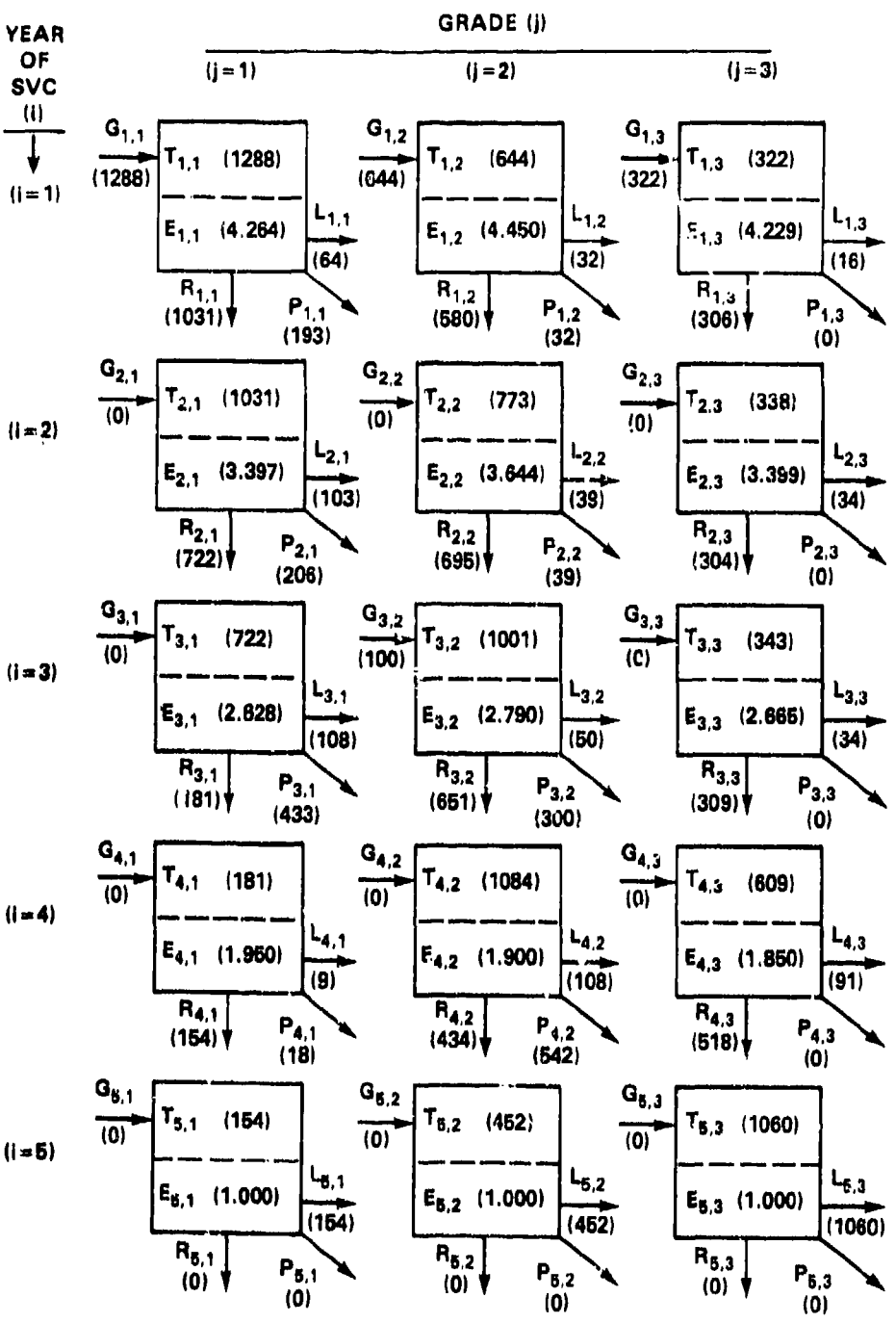
$$T^{1,2} = 2866$$

$$T^{1,3} = 1362$$

$$T^{3,2} = 279 .$$

The rest of the calculations are straightforward; the results are shown in Figure H-6d.

Figure H-6d
Grade by YOS System, Completed



LEGEND:

- $T_{i,j}$ = Strength in cell i,j
- $d_{i,j}$ = Annual Loss Rate
- $p_{i,j}$ = Annual Promotion Rate
- $r_{i,j}$ = Annual Remain in Grade Rate
- $G_{i,j}$ = Annual Gains to cell i,j
- $E_{i,j}$ = Expected Service Length for people in cell i,j
- $L_{i,j}$ = Annual Losses
- $P_{i,j}$ = Annual Promotions
- $R_{i,j}$ = Annual Number Remaining in Grade

IV. APPLICATION.

A. FORCE STRUCTURE MATRIX. The basic building block of DMSM is a grade by year-of-service matrix wherein each cell reflects the number of people with that particular combination of grade and year of service. The sum of these cell strengths for all grades and years of service is the total strength for that force structure. The grade by year-of-service matrix then defines how that total strength is distributed, or the "shape" of the overall force structure. This shape roughly defines the overall retention in the system. Throughout the study, total strength has been held contant while the shape, as determined by changing retention rates, has varied.

B. STEADY-STATE CONDITIONS. When a particular force structure is in steady state, the strength (both overall as well as in each grade by year-of-service cell) is constant over time. In addition, for a given time unit, e.g., a year, the total gains to the system (as well as each cell) equal the total losses out of the system (or each cell). If annual rates are being used and one of the dimensions of the system is year of service, then each cell strength is also equal to the sum of all annual gains (or losses) to that particular cell. It can be shown that, if the behavior in the system is known (all of the individual cell loss rates and transfer rates between cells are known), then a quantity called Expected Service Life can be calculated for the gains at any point in the force structure. Expected Service Life is the average number of years that a gain, or accession, will remain in service. If the total strength desired is also known, as well as at what points people enter the force structure, then the necessary accession levels can be determined that will satisfy the overall strength requirement. Once this is known, all of the flows can be quantified and various output statistics (including cost) can be calculated.

C. DIMENSIONS. The force structure is broken down into individual cells that are defined according to several dimensions:

1. Communities. For the purpose of the study, three separate communities of personnel -- commissioned officer, warrant officer and enlisted -- have been defined. Generally, the model will only analyze one community at a time. Since the model cannot distinguish between communities it is simulating at a particular moment, the user must track the community and insure that the correct cost files are used.

2. Category. Personnel can exist in any one of up to 15 categories which are treated as entirely separate force structures. This dimension is user definable. As an example, in one instance the user may wish to have it reflect a specific occupational group of Army enlisted personnel; in another, each category could represent an entire community (e.g., all Army enlisted personnel). In the extreme, this dimension could also be used to simulate conversion from reserve to regular status.

3. Source of Entry. Although this facility was not used during the study, people can enter the Service from any one of up to 10 procurement programs, each of which is further described by certain parameters.

4. Grade. Individuals can exist in any one of up to 10 grades depending on which community is being simulated. These correspond to E-1 through E-9, W-1 through W-4, and O-1 through O-10. (Note: during the study, grades E-1 through E-3 were treated as a single grade, "E-3 and below").

5. Year of Service. People can exist in any one of up to 35 YOS cells. In this model, year x is interpreted to mean the xth year of service, i.e., x-1 years have been completed but not x. For instance, the strength in year 1 is comprised of all personnel who have completed less than one YOS; year-2 strength includes all personnel who have completed at least one YOS but not two YOS, etc. For enlisted personnel this dimension is treated as years of active military service; for officers, it is years of active commissioned service.

D. PROCESSES. Several personnel processes are simulated during operation of the model:

1. Accession (Procurement). This process means entering active duty from outside the force. The numbers of annual entrants are extracted from the input data file and can be specified for any grade, YOS or category. The model treats all accessions in YOS other than the first YOS as fixed and will not adjust them. However, it will adjust the gains in the first YOS as necessary to achieve the desired strength level for the category. If adjustments are necessary and first-year accessions are shown as entering in more than one grade, the model will distribute the new level of accessions in the same proportion as contained on the input data file. The feature of permitting accessions in other than the first YOS allows the simulation of prior-service procurement programs, such as recall or Reserve Component procurement. Allowing accessions in grades other than the lowest grade permits the simulation of constructive-credit accession programs such as those for lawyers, physicians and dentists.

2. Lateral Transfer. This process, although imprecise, permits the transfer between the categories specified in a particular exercise of the model. Since it is dependent on the categorization being used, interpreting the flows is similarly dependent:

Categorization	Lateral Transfer
Skill Group	Cross Training
Service	Interservice Transfer
Community	Upward Mobility (e.g., commissioning)
Component	Augmentation/Integration

Lateral transfer into a category is expressed as a number. Lateral transfer out of a category is expressed as a rate. Transfers into a particular category are not identified as to the category or categories from which they came. Neither does the model check to ensure all the transfers-out equal all the transfers-in. To be correct, the total transfers out of one YOS should equal the total transfers into the next YOS. Various output displays are provided to assist the user in adjusting the input data file. This feature of the model can also be used to simulate the entrants into a skill which has no entrants in the first YOS (for instance, a skill such as first sergeant or recruiter).

3. Promotions. This process simulates the promotion of individuals from one grade to the next higher grade. Demotions are not specifically modeled; neither are promotions of more than one grade. Largely for this latter reason, all enlisted projections grouped the three lowest enlisted grades (E-1, E-2, and E-3) into grade E-3. Because of the differences between enlisted and officer promotions and because time in grade was not a dimension, promotions are specified only by rates for each cell (grade, and year of service and category combination). As a result, promotion opportunity phase points or pass-overs are not specifically identified. Also, only net promotions are simulated; selections are not. The model does not have the capability to adjust itself to reach a set of desired grade strengths; if a specific grade distribution is desired, the user will have to make several simulations, manually adjusting the promotion rates each time.

4. Losses/Retention. This process simulates the various kinds of losses from active duty:

(a) Death;

(b) Separation - Disability;

(c) Separation - Force Control;

(d) Separation - Involuntary;

(e) Separation - Voluntary;

(f) Retirement - Disability;

(g) Retirement - Force Control;

(h) Retirement - Involuntary; and

(i) Retirement - Voluntary.

As used in the model, "involuntary" losses are intended to reflect losses for disciplinary or adverse reasons and may, in fact, be voluntary from the standpoint of the individual (e.g., resignation in lieu of court martial). In short, the Service wants to lose them.

"Force-control" losses, on the other hand, are not disciplinary in nature. Instead, they reflect the operation of law or policy to remove personnel at specific points, such as those set by high-year-of-tenure policies, mandatory retirement points, pass-over policy (i.e., the individuals have been found to be not "fully" or "best qualified" to remain in Service). Both involuntary and force control losses occur for quality control reasons, but there can be differences in terms of cost or historical rates. In general, the adverse losses are expected to obey certain historically consistent patterns, while the force-control losses may not. Furthermore, force control losses may be entitled to special compensation upon their departure.

"Voluntary" losses are losses in addition to those mentioned above. In the Current Objective case, these rates include all voluntary losses. However, since the Baseline case assumes that everyone wants to stay for 35 years, these rates reflect only losses for hardship or humanitarian reasons beyond the influence of the compensation system and not voluntary losses simply for the convenience of the member.

In addition to these loss programs, the aforementioned rates for lateral transfer out are provided, as are rates to reflect transfer to officer status. This latter type of loss can be interpreted to mean anything the user desires; it is treated simply as another kind of loss.

E. INPUT. As described above, the input to the model consists of annual rates, between 1 and 0, that describe how the people in a particular grade and YOS cell will behave during the next year (or what will happen to them). Some will leave the system entirely. Those who leave can do so under a variety of conditions, each of which is determined by separate loss rates. Those who remain will progress to the next YOS cell. Of those who remain, some will be promoted and some will remain in grade. In addition to these rates, the total strength for the force structure is provided as well as some information about where accessions will enter the force structure and in what proportions. Rates should add to 1.0 for each YOS cell. It should be noted that these rates apply to two flow dynamic categories, i.e., remain-in-service rates plus loss-from-active-duty rates must total to 1.0 across each year of YOS. See Attachment 6 for an example of an input data file.

F. OUTPUT. The output of the model consists of several matrices showing the numbers of people (not rates) for the following:

1. Strength by grade and YOS;

2. Gains to each grade and YOS cell by type of gain;

3. Losses out of each grade and YOS cell by reason for loss (death, disability, retirement, forced separation, etcetera); and

4. Promotions out of and into each grade and YOS cell.

Using these matrices, various summary output statistics can then be calculated: average years of service, turnover rates (overall and by grade), expected service length (overall and by grade), grade distribution, average time in service at promotion, etcetera. Using the appropriate entitlement and cost factor matrices in tandem with the corresponding force structure matrices, the annual steady-state cost of the force structure can be calculated. This output data can then be used to compare alternative systems. Attachments 15 and 20 provide examples of the output reports.

G. MODEL OPERATION. The model has four separate modules; the user executes only those that are applicable during a particular projection.

1. READER Module. This module checks input data for proper format and determines whether all disposition rates add to 100% for each grade and YOS cell.

2. MODEL Module. This module allows the user to specify the overall strength level and performs the bulk of the calculations to convert rates into numbers of people.

3. REPORT Module. This module generates the output reports. The user can specify whether to print reports for each category or for the aggregate only.

4. COSTER Module. This last module calculates and prints the costs by cost element for each force structure category. Section V below contains more details on the cost routine.

V. DMSM COSTING.

A. GENERAL. Each of the category force structures is costed using the last module in DMSM. The routine has the capability to separately cost each of 66 cost elements. The aggregated result provides the total cost of each force structure by occupational category. The first 41 of these cost elements are predefined as variable costs and the remaining 25 are fixed costs. Both variable-cost elements and fixed-cost elements are separately grouped into five types:

1. Gain-related costs.

2. Maintenance costs.

3. Special & Incentive pay costs.

4. Loss-related costs (non-retirement).

5. Retirement costs (retirement losses can be costed using up to 15 different retirement plans, but there is no adjustment of retention rates between retirement plans).

B. SOURCE OF DATA. The ORMC staff developed the majority of the data used in the cost routine through the use of personnel and finance data tapes, actual FY82 data displayed in the Military Personnel Appropriation justification books supporting the FY84 President's Budget, and reports submitted to OSD. There were certain cost elements, however, which required input from each Service due to their unique characteristics. The Services were specifically asked to develop the rates for accession-related costs and selected Special and Incentive pays.

C. FIXED COSTS. The fixed-cost routine simply allows the user to specify a fixed dollar amount for a particular cost element.

D. VARIABLE COSTS. The variable-cost routine multiplies together the following three matrices dimensioned by grade and year of service:

1. Population or Flow Matrices. These matrices reflect the populations who receive or incur a particular cost. Some costs are based on the strength while others are attributable to the various kinds of gains or losses.

2. Entitlement Matrices. These specify the proportion of eligible personnel who receive or incur a particular cost element. Each grade and YOS cell within the matrix contains a number between zero and one, inclusively. A zero implies that no individuals within that grade and YOS receive or incur the specific cost element being considered. An entry of one indicates that everyone receives or incurs that cost element.

3. Cost-Rate Matrices. The cost-rate matrices provide the cost rate of each cost element on a per individual basis.

E. COST DATABASE AND COST MAPS. During the course of the study, many different entitlement and cost-rate matrices were used. These were stored in a large file called the COST DATABASE, which had a capacity for 1,500 separate matrices (over 1,100 were used). During a particular simulation, the user told the model which specific matrices to use via a small file called COSTMAP. This file provided, by category and cost element, two index numbers -- corresponding to the location in the COST DATABASE of the appropriate entitlement and cost-rate matrices. If either of the two index numbers was zero, then the cost for that particular cost element in that category was set to zero. The COSTMAPS also contained the dollar amounts, in thousands, of any fixed-cost elements. Examples of some of the files contained in the COST DATABASE are located at Attachment 27; examples of COSTMAPS are located at Attachment 31. Table H-2 shows which specific population, entitlement and cost-rate matrix was used for each of the variable-cost elements. An "X" in the entitlement or cost-rate column indicates there were many different matrices used. Table H-3 tabulates the fixed cost amounts that were used during the study. Tables H-4, H-5 and H-6 display the respective variable cost-rates used for the accession-related cost factors.

Table H-2
Variable Cost Elements
Population, Entitlement & Cost-Rate Matrices

VARIABLE COSTS:	$	GAIN			TFR		STAY		SEPARATION				RETIREMENT				$	ENTITLEMENT MATRIX		COST RATE MATRICES							
																				ENLISTED				OFFICER			
	$	A	L	L	O	R	P	B	B		V	I	B		V	I	COST			A	B	M	F	A	B	M	F
	T	C	A	A	F	I	R	T	I	F	O	N	I	F	O	N	MAP	ENL	OFF								
	R	C	T	T	F	C	N	N	S	C	L	V	S	C	L	V	REF#										
GAIN-RELATED:																											
VG 1 BONUS		X															23	SVC		1	1	SEE TABLE H-4					
VG 2 ACQUISITION		X															26	SVC		1	1	SEE TABLE H-5					
VG 3 TRAINING		X															27	SVC		1	1	SEE TABLE H-6					
VG 4-5 --UNUSED--		X															29-30	---		0	0	0--UNUSED---0		0--UNUSED---0			
VG 6 LATERAL GAIN			X														31	---		0	0	0--UNUSED---0		0--UNUSED---0			
MAINTENANCE:																											
VM 1 BASIC PAY	X																1	ORMC		1	1	199	199	2	2		
VM 2 BAQ	X																2	ORMC		1	1	201	202	203	204	31	100	127	77
VM 3 BAS	X																3	ORMC		1	1	6	90	117	66	5			5
VM 4 FICA	X																4	ORMC		1	1	205		205		34			34
VM 5 VHA	X																5	ORMC		1	1	206	207	727	209	37	103	130	79
VM 6 --UNUSED--	X																6	---		0	0	0--UNUSED---0		0--UNUSED---0			
VM 7 CLTHG	X																7	ORMC		40	9	41	106	133	81	0	N/A		0
VM 8-12 --UNUSED--	X																8-12	---		0	0	0--UNUSED---0		0--UNUSED---0			
SPECIAL & INCENTIVE PAY:																											
VS 1 SEA PAY	X																32	SVC		X	X	0	0	0	X	0	0
VS 2 PR. SEA PAY	X																33	SVC		X	X	0	0	0	X	0	0
VS 3 SUBMAR'NE PAY	X																34	SVC		X	X	0	0	0	X	0	0
VS 4 ACIP	X																35	SVC		0	X	0	N/A	0	X	X	X
VS 5 AOCP	X																36	SVC		0	X	0	N/A	0	X	X	0
VS 6 H:P/ESCCP	X																37	ORMC		0	X	0	N/A	0	X	0	X
VS 6 SPB	X																37	SVC		X	X	X	X	0	N/A		0
VS 7-10 MEDICAL #1-4	X																38-41	ORMC		0	X	0	N/A	0	X	X	0	X
LOSS-RELATED (NON-RETMT):																											
VL 1 TERMINAL LEAVE								X	X	X	X	X	X	X	X	X	13	ORMC		1	1	210	211	212	213	54	114	139	88
VL 2 PCS-SEPARATION								X	X	X	X	X	X	X	X	X	14	ORMC		1	1	51	113	138	87	50	112	137	86
VL 3 BURIAL								X									16	---		1	1	0--UNUSED---0		0--UNUSED---0			
VL 4 DEATH GRATUITY								X									17	ORMC		1	1	53							53
VL 5 DIS SEV PAY									X								22	ORMC		1	1	215		215		60			60
VL 6 SEP PAY										X							23	ORMC		0	1	0	N/A	0		57			57
RETIREMENT:																											
VR 1 SBP-DIC SUPPL								X									15	---		0	0	0--UNUSED---0		0--UNUSED---0			
VR 2 DISABILITY													X				18	ORMC		1	1	X--VARIES---X		X--VARIES---X			
VR 3 NON-DISABILITY														X	X	X	19	ORMC		1	1	X--VARIES---X		X--VARIES---X			
VR 4 SBP-ACTIVE													X	X	X	X	20	---		0	0	0--UNUSED---0		0--UNUSED---0			
VR 5 SBP-TITLE 10											X						21	---		0	0	0--UNUSED---0		0--UNUSED---0			
VR 6 VESTING									X	X	X	X					24	ORMC		1	1	X--VARIES---X		X--VARIES---X			
VR 7 TITLE 11											X						25	---		0	0	0--UNUSED---0		0--UNUSED---0			
VS 1-10 EARLY W/D	X																32-41	ORMC		1	1	X--VARIES---X		X--VARIES---X			

NOTE: ALL COST RATE MATRICES ARE ANNUAL RATES EXCEPT FOR MAINTENANCE COST ELEMENTS WHICH USE MONTHLY RATES.

Table H-3
Fixed Cost Elements
by Service and Community
(FY82 Amounts in $Thousands)

FIXED COSTS:	COST MAP REF#	ENLISTED ARMY	ENLISTED NAVY	ENLISTED USMC	ENLISTED USAF	WARRANT ARMY	WARRANT NAVY	WARRANT USMC	OFFICER ARMY	OFFICER NAVY	OFFICER USMC	OFFICER USAF
GAIN-RELATED:												
FG 1 ACQUISITION	52	0	0	0	0	0	0	0	0	0	0	0
FG 2 TRAINING	53	478000	217000	181000	202000	35000	0	2000	54000	359000	118000	399000
FG 3 CADET	54	0	0	0	0	0	0	0	31200	33100	0	32000
FG 4-5 --UNUSED--	55-56	0	0	0	0	0	0	0	0	0	0	0
MAINTENANCE:												
FM 1 PCS-O,R,U	42	514200	231200	83100	426600	0	0	0	149400	98600	20700	145400
FM 2 PCS-STORAGE	43	17300	3800	1300	16100	0	0	0	8100	2700	1200	9800
FM 3 OSA	44	86000	60300	16800	103900	0	0	0	23800	17700	4800	23600
FM 4 FSA	45	20500	10800	2700	9600	0	0	0	2700	1800	600	1500
FM 5 CLTNG, MISC	46	6800	7400	2800	1600	0	0	0	0	0	0	0
SPECIAL & INCENTIVE PAY:												
FS 1 MISCELLANEOUS	57	58800	50300	15500	32400	0	0	0	5000	3500	300	3000
FS 2-REGULAR	58	105800	433700	105900	85300	24500	3400	0	103500	154300	17000	203900 *
FS 3-5 --UNUSED--	59-61	0	0	0	0	0	0	0	0	0	0	0
LOSS-RELATED (NON-RTMT):												
FL 1 MISCELLANEOUS	47	2400	2100	1300	200	0	0	0	0	0	100	200
FL 2-5 --UNUSED--	48-51	0	0	0	0	0	0	0	0	0	0	0
RETIREMENT:												
FR 1 TITLE III	62	46900	37300	2300	23600	91600	19400	1400	366600	15460	15700	203500
FR 2 SURV BENEFITS	63	91100	64200	7200	54400	17000	4600	500	68000	3680	5400	39500
FR 3-5 --UNUSED--	64-66	0	0	0	0	0	0	0	0	0	0	0

* NOTE: "FS 2 REGULAR" IS ONLY USED DURING AGGREGATE COMMUNITY SIMULATIONS WHERE EACH CATEGORY IS THE TOTAL ENLISTED OR OFFICER COMMUNITY FOR A SERVICE. IT IS THE AMOUNT SPENT FOR THOSE S & I PAYS THAT ARE NORMALLY COSTED AT THE OCCUPATIONAL GROUP LEVEL. FIGURES REFLECT THE AMOUNTS FROM THE CURRENT OBJECTIVE CASE. WHEN MAKING A DISAGGREGATED SIMULATION, WHERE EACH CATEGORY IS A SEPARATE OCCUPATIONAL GROUP, THIS ITEM IS ZEROED OUT AND THE APPROPRIATE VARIABLE S & I PAY MATRICES ARE USED.

Table H-4
Accession Bonus Cost Factors

	ARMY	NAVY	USMC	USAF
ENLISTED:	$1,051	$ 103	0	$ 39
Infantry, Seamanship (0XX)	2,856	93	0	0
Electronic Repair (1XX)	174	140	0	0
Comm & Intell (2XX)	2,010	176	0	373
Medical & Dental (3XX)	0	0	N/A	0
Other Technical (4XX)	576	0	0	181
Support & Admin (5XX)	5	0	0	0
Elect/Mech Repair (6XX)	102	176	0	6
Craftsmen (7XX)	0	0	0	0
Service & Supply (8XX)	0	0	0	0
Non-Occupational (9XX)	N/A	N/A	0	N/A
WARRANT OFFICER:	0	0	0	N/A
Pilot	0	N/A	N/A	N/A
Other	0	0	0	N/A
COMMISSIONED OFFICER:	0	0	0	0
Judge Advocate	0	0	0	0
Chaplain	0	0	N/A	0
Physician	0	0	N/A	0
Dentist	0	0	N/A	0
Nurse	0	0	N/A	0
Veterinarian	0	N/A	N/A	N/A
MSC	0	0	N/A	0
BSC	0	N/A	N/A	0
Pilot	0	0	0	0
Navigator	N/A	0	0	0
Surface	N/A	0	N/A	N/A
Submarine	N/A	6,000*	N/A	N/A
URL-General	N/A	0	N/A	N/A
Combat Arms	0	N/A	0	N/A
Combat Support	0	N/A	0	N/A
Scientist/Engineer	N/A	N/A	N/A	0
Restr. Line/Staff Corps	N/A	0	N/A	N/A
Other	0	N/A	N/A	0
Limited Duty Officer	N/A	0	0	N/A

*Used with a 0.265 entitlement factor.

Table H-5
Variable Acquisition Cost Factors

	ARMY	NAVY	USMC	USAF
ENLISTED:	$ 3,447	$ 2,347	$ 3,758	$ 2,893
Infantry, Seamanship (0XX)	3,447	2,347	3,758	2,893
Electronic Repair (1XX)	3,447	2,347	3,758	2,893
Comm & Intell (2XX)	3,447	2,347	3,758	2,893
Medical & Dental (3XX)	3,447	2,347	N/A	2,893
Other Technical (4XX)	3,447	2,347	3,758	2,893
Support & Admin (5XX)	3,447	2,347	3,758	2,893
Elect/Mech Repair (6XX)	3,447	2,347	3,758	2,893
Craftsmen (7XX)	3,447	2,347	3,758	2,893
Service & Supply (8XX)	3,447	2,347	3,758	2,893
Non-Occupational (9XX)	N/A	N/A	3,758	N/A
WARRANT OFFICER:	17,432	3,439	0	N/A
Pilot	17,432	N/A	N/A	N/A
Other	17,432	3,439	0	N/A
COMMISSIONED OFFICER:	17,432	3,439	9,175	14,769
Judge Advocate	17,432	3,439	5,449	14,769
Chaplain	17,432	3,439	N/A	14,769
Physician	17,432	3,439	N/A	14,769
Dentist	17,432	3,439	N/A	14,769
Nurse	17,432	3,439	N/A	14,769
Veterinarian	17,432	N/A	N/A	N/A
MSC	17,432	3,439	N/A	14,769
BSC	17,432	N/A	N/A	14,769
Pilot	17,432	3,439	9,175	14,769
Navigator	N/A	3,439	22,503	14,769
Surface	N/A	3,439	N/A	N/A
Submarine	N/A	3,439	N/A	N/A
URL-General	N/A	3,439	N/A	N/A
Combat Arms	17,432	N/A	11,018	N/A
Combat Support	17,432	N/A	10,732	N/A
Scientist/Engineer	N/A	N/A	N/A	14,769
Restr. Line/Staff Corps	N/A	3,439	N/A	N/A
Other	17,432	N/A	N/A	14,769
Limited Duty Officer	N/A	3,439	0	N/A

Table H-6
Initial Training Variable Cost Factors

	ARMY	NAVY	USMC	USAF
ENLISTED:	$ 3,294	$ 3,283	$ 5,788	$ 4,912
Infantry, Seamanship (0XX)	3,285	1,227	2,770	2,744
Electronic Repair (1XX)	3,033	7,554	17,038	9,289
Comm & Intell (2XX)	3,332	4,872	8,851	6,570
Medical & Dental (3XX)	7,877	1,561	N/A	4,384
Other Technical (4XX)	3,033	4,148	7,512	5,697
Support & Admin (5XX)	2,799	1,373	3,068	3,198
Elect/Mech Repair (6XX)	2,799	3,695	12,802	4,436
Craftsmen (7XX)	2,799	2,272	2,873	4,260
Service & Supply (8XX)	2,799	1,664	2,139	3,121
Non-Occupational (9XX)	N/A	N/A	0	N/A
WARRANT OFFICER:	27,389	0	30,071	N/A
Pilot	145,534	N/A	N/A	N/A
Other	3,367	0	30,071	N/A
COMMISSIONED OFFICER:	11,245	256,616	265,347	81,012
Judge Advocate	0	2,898	28,226	0
Chaplain	0	3,500	N/A	0
Physician	0	663	N/A	0
Dentist	0	670	N/A	0
Nurse	0	576	N/A	0
Veterinarian	0	N/A	N/A	N/A
MSC	0	2,284	N/A	0
BSC	0	N/A	N/A	0
Pilot	145,457	985,912	983,541	249,047
Navigator	N/A	467,538	452,519	50,849
Surface	N/A	18,555	N/A	N/A
Submarine	N/A	49,152	N/A	N/A
URL-General	N/A	7,504	N/A	N/A
Combat Arms	2,602	N/A	29,892	N/A
Combat Support	3,371	N/A	30,071	N/A
Scientist/Engineer	N/A	N/A	N/A	52,217
Restr. Line/Staff Corps	N/A	13,772	N/A	N/A
Other	3,378	N/A	N/A	7,527
Limited Duty Officer	N/A	2,542	0	N/A

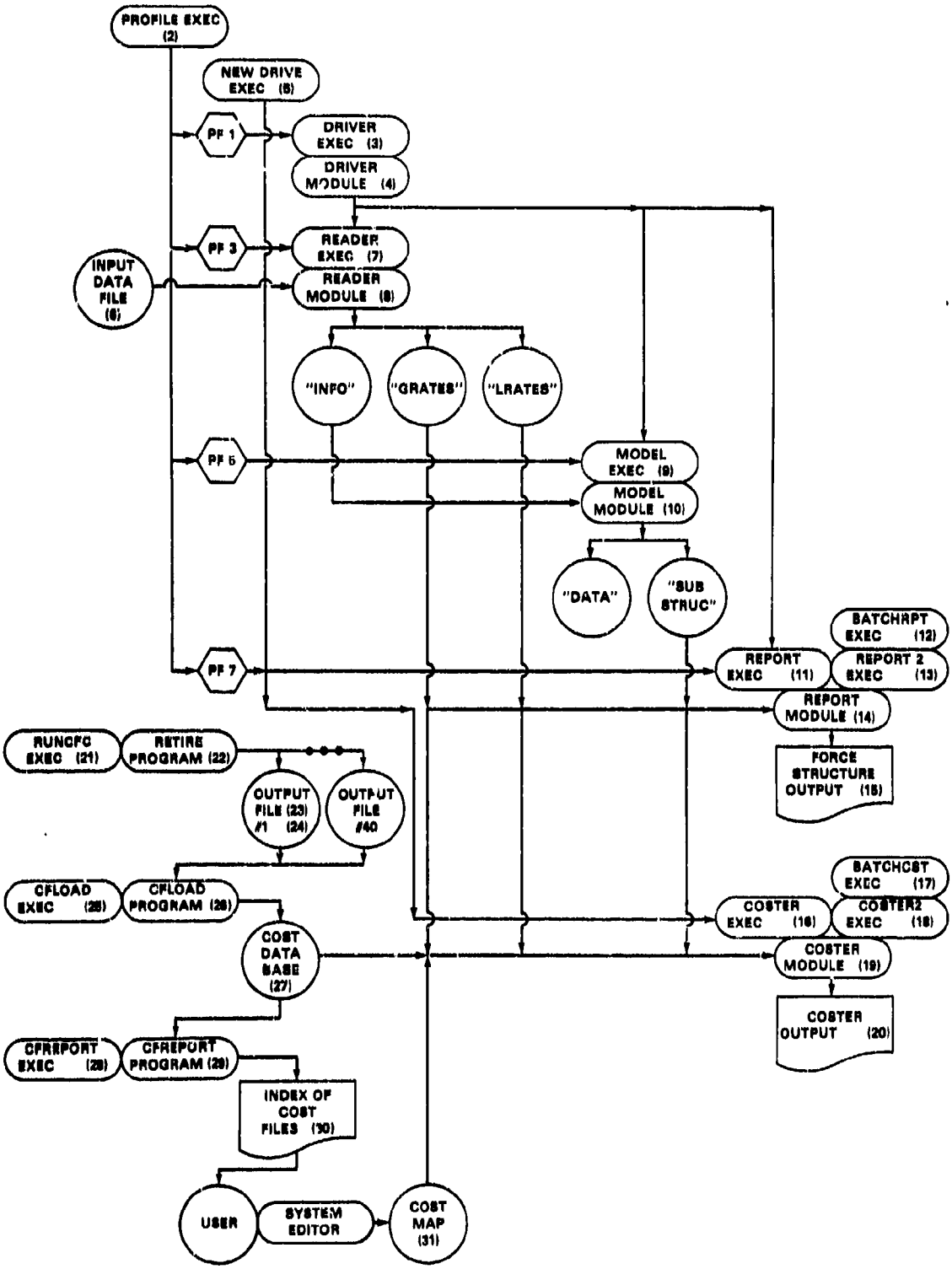
VI. SYSTEM NETWORK. Figure H-7 displays the relationship between the various programs that comprise the DMSM and its support system. The numbers in parenthesus indicate the number of the attachment where each program listing or example may be found.

There are a number of programs referred to as EXECs. These are unique to the IBM system and contain information that specifically identifies which input/output files the main program is to use. In the case of interactive programs, they also have the capacity to respond to interrogatives from the main program via a mechanism called the STACK. This particular provision enables the user to predetermines the answers to the questions to be asked by the main program, to load these in the EXEC's STACK and allow the EXEC to automatically control the execution of the main program. Because of their usefulness and flexibility, these EXECs were used extensively. Through the use of EXECs, the selection of which depends on the circumstances of a particular simulation, all or only one of the DMSM modules could be executed with or without a user at the terminal. In the case of the REPORT and COSTER modules, a multitude of simulations could be accomplished by using the BATCHRPT and BATCHCST EXECS.

During a DMSM run, five internal files are generated to compactly store the various kinds of information and pass it from module to module. These files have the following CMS filetypes: INFO, GRATES, LRATES, DATA and SUBSTRUC. Although they are shown in Figure H-7, examples are not provided because they are stored in machine-readable format only.

In the lower left corner of Figure H-7 are the various programs and EXECs which support the costing routine. The routine RETIRE, for instance, is a lengthy program (over 900 lines of FORTRAN code) which facilitates creation of cost files (35 x 10 matrices). In particular, it contains the code used to construct cost factor files for each retirement option. Individual data files are loaded by CFLOAD into the file COST DATABASE; CFREPORT publishes an index of the same file.

Figure H-7
DMSM System Flow Chart
(With Attachment References)



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DEFENSE MANPOWER STATIC MODEL

(DMSM)

USER MANUAL

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1.0 INTRODUCTION

This documentation covers the major programs within the Defense Manpower Static Model (DMSM) System. The documentation covers the current version of the system. It does not cover sections of the system which are not currently implemented.

The programs covered are:

DRIVER - Creates run execs.

READER - Reformats initial force data.

MODEL - Static model.

REPORT - Produces force structure reports.

COSTER - Produces force structure cost reports.

2.0 ENVIRONMENT

The DMSM System was developed on an IBM 4341 under VM/SP using CMS.

The models themselves were written entirely in FORTRAN and compiled using the FORTGI compiler.

3.0 METHOD OF OPERATION

In general, the operation of the DMSM proceeds as follows:

Step 1 - Initial force structure data is input onto a disk file using the system editor (XEDIT).

Step 2 - The DRIVER program is run to create the necessary execs used to run the other programs.

Step 3 - The READER program is run to reformat the input data from step 1 into a format more suitable for use by the remaining programs. This program also performs simple verification of rates if desired.

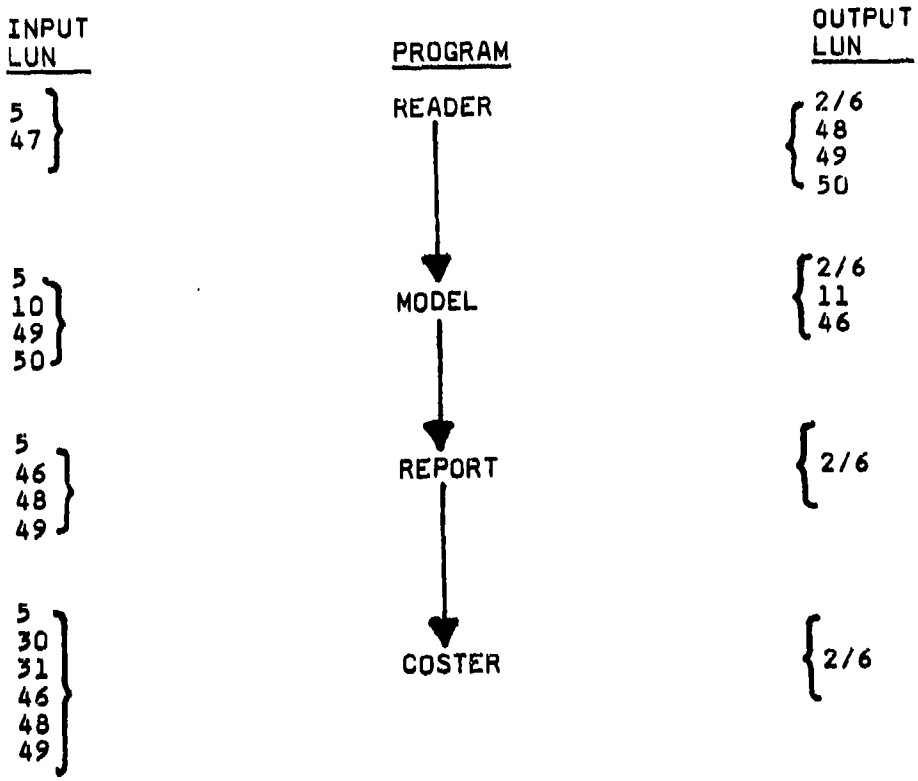
Step 4 - The MODEL program is run to create a steady state force profile. If a Model Parameter file has not already been created, the user is required to create one before continuing.

Step 5 - The REPORT program is run to produce aggregate and detailed force structure and flow reports.

Step 6 - The COSTER program is run to produce aggregate and detailed cost reports. This step assumed that a costmap and cost data base exists.

Figure 1 shows the relationships between the programs and the data flows. One thing to note is that step 5 and step 6 are not dependent on each other.

The preceding steps were either performed individually or steps 3-6 could be performed as one complete step using a master exec.



Legend:

READER	- Program Used to Reformat Force Data
MODEL	- Program Used to Generate Steady State Force
REPORT	- Program Used To Produce Strength Reports
COSTER	- Program Used to Produce Cost Reports
2/6	- Printer/Terminal Output
5	- Terminal Input
10	- Input Model Parameter File
30	- Cost File Data Base
31	- Cost Map
46	- Force Structure Model Output
47	- Initial Force Structure Data
48	- Attrition Rates
49	- Remain in Grade Rates, Promotion Rates, Gains
50	- Force Structure Information

Figure 1

4.0 OPERATING INSTRUCTIONS

The following sections describe the prompts a user would see during program execution and explain the expected input.

The symbol (CR) is used to define a carriage return.

4.1 DRIVER

To execute program type:

DRIVER (CR)

The following series of prompts will then be displayed:

PROMPT: ENTER NAME OF USERID WHERE DATA EXISTS (8 CHAR MAX)
RESPONSE: Enter the USERID where the initial force structure data exists and press carriage return.

PROMPT: ENTER FIRST NAME OF FILE (E.G., USAFE)
RESPONSE: Enter filename of the initial force structure data and press CR.

PROMPT: ENTER SECOND NAME OF FILE (E.G., CURRENT)
RESPONSE: Enter the filetype of the intial force structure data and press CR.

PROMPT: ENTER RUNTYPE ENLISTED = 1 OFFICER = 2 WARRANT = 3
RESPONSE: 1 (CR) assumes 9 grades in file
2 (CR) assumes 6 grades in file
3 (CR) assumes 4 grades in file

At this point the program will generate the appropriate execs and terminate processing.

4.2 READER

To execute program type:

READER (CR)

The following prompts will be displayed.

PROMPT: ?
RESPONSE: Filename and filetype of initial force structure data. Each must be 8 characters long including trailing blanks. (Note: this info is stacked in READER exec and is not actually entered at terminal.)

PROMPT: THIS PROGRAM READS A BASIC FORCE FILE. HOW MANY GRADES IN A CATEGORY???
RESPONSE: Enter number of grades per category. (Note: this info is stacked in READER exec and not actually entered at terminal.)

PROMPT: DO YOU WISH TO VERIFY RATE DATA??? (YES OR NO)
RESPONSE: 1 (CR) - Verification messages sent to printer
0 (CR) - Verification messages sent to terminal
(Note: this info is stacked in READER exec as a '1' and is not entered from terminal)

Program will then begin execution. Just before finishing the following prompt will be displayed.

PROMPT: PLEASE ENTER A TITLE FOR THIS DATA (65 CHAR MAX)
RESPONSE: Enter an appropriate title and press CR.

The program will then terminate with the following message.

XX GRADES AND YY CATEGORIES READ FROM
ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ

Where XX is number of grades
YY is number of categories
ZZ is title that was entered

4.3 MODEL

To execute program type:

MODEL (CR)

The following prompts will be displayed:

(A1) PROMPT: DO YOU WANT TO USE A PARAMETER FILE IN THE LIBRARY?

RESPONSE: YES (CR) - Use previously defined parameter file. (Go to A2).

NO (CR) - Wish to create/modify a parameter file. (Go to section 4.3.1 for prompts).

(A2) PROMPT: DO YOU WANT TO SEE ANY OF THE DATA???

RESPONSE: NO (CR) - Do not want to see parameter file data. (Go to A3).

YES (CR) - Wish to see parameter file data. (Go to section 4.3.2 for prompts).

(A3) PROMPT: DO YOU WANT TO CHANGE ANY PARAMETERS:

RESPONSE: NO (CR) - Do not wish to modify Model Parameter file. (Go to A4).

YES (CR) - Wish to modify Model Parameter file. (Go to section 4.3.1).

(A4) PROMPT: DO YOU WANT TO STORE THE CURRENT PARAMETER FILE

RESPONSE: NO (CR) - Any changes made will not be saved. (Go to A5).

YES (CR) - A new copy of Model Parameter file will be created. The old copy will be overwritten. (Go to A5).

(A5) PROMPT: DO YOU WANT TO MAKE A MODEL RUN USING THIS FILE?

RESPONSE: YES (CR) - Processing will continue. (Go to A6)

NO (CR) - Processing will terminate at this point. Useful if one wishes only to create/modify Model Parameter file and not make model run.

(A6) PROMPT: OK INITIAL SET-UP COMPLETE --- STARTING MODEL RUN NOW, OUTPUT TO PRINTER (1) OR TERMINAL (0)???

RESPONSE: 1 (CR) - Model output sent to printer. (Go to A7).

0 (CR) - Model output sent to terminal. (Go to A7).

(A7) PROMPT: DISPLAY RETENTION RATE RESOLUTION MATRICES???

RESPONSE: YES (CR) - Model output will contain retention rate resolution matrices. (Go to A8.)

NO (CR) - Display will be suppressed. (Go to A8).

(A8) PROMPT: DO YOU WANT TO USE THE COST ROUTINE???

RESPONSE: YES (CR) - Cost routine has been
NO (CR) removed from model and any answer will suffice here.

At this point the model will begin execution and will produce various output reports. When finished execution will terminate.

4.3.1 Create/Modify a Model Parameter file. This section describes the prompts and expected responses:

(B1) PROMPT: NOW GOING TO BUILD/ALTER PARAMETER FILE

(B2) PROMPT: ENTER THE NUMBER OF THE SECTION YOU WANT TO BUILD/ALTER ACCORDING TO THE FOLLOWING TABLE
0 -- FINISHED, READY TO GO ON
1 -- TOTAL DESIGN STRENGTH
2 -- PROCUREMENT DATA
3 -- MANAGEMENT CATEGORY DATA
4 -- TRAINING FLOW DATA
5 -- CONTRACT DATA
SECTION TO BUILD/ALTER?

RESPONSE:
0 (CR) - Finished creating or modifying a Model Parameter file. Return to main routine. (Go to A3).
1 (CR) - Want to create/modify design strength. (Go to B3).
2 (CR) - Want to create/modify procurement data. (Go to B4).
3 (CR) - Want to create/modify management category data. (Go to B8).
4 (CR) - Want to create/modify training flow data. (Go to B12).
5 (CR) - Want to create/modify contract data. (Go to B13.)

(B3) PROMPT: ENTER DESIGN STR, NBR OF GRADES

RESPONSE: XXX,YY(CR) Where XX is the total force strength and YY is the number of grades (1-10). (Go to B2).

(B4) PROMPT: ENTER PROCUREMENT SUBSECTION TO BUILD/ALTER
0 -- FINISHED, READY TO GO ON
1 -- NUMBER OF SOURCES
2 -- SOURCE NAME TABLE
3 -- SOURCE PARAMETER TABLE

RESPONSE:

0 (CR) - Finished with procurement subsection. (Go to B2).

1 (CR) - Want to create/modify number of sources. (Go to B5).

2 (CR) - Want to create/modify source name table. (Go to B6).

3 (CR) - Want to create/modify source parameter table data. (Go to B7)

(B5) PROMPT: NUMBER OF SOURCES?
RESPONSE: YY (CR) Where YY is number of accession sources (1-10). (Go to B4).

(B6) PROMPT: FOR SOURCE NN GIVE 4-LTR ABBR
RESPONSE: AAAA (CR) Where AAAA is a 4-letter abbreviation for source NN. This prompt will be given once for each source defined. (Go to B4).

(B7) PROMPT: FOR SOURCE NN GIVE YEARLY PROCUREMENT
RESPONSE: YY (CR) Where YY is the yearly procurement from source NN. This prompt will be given for each defined source. (Go to B4).

(B8) PROMPT: ENTER MANAGEMENT CATEGORY SUBSECTION
0 -- FINISHED, READY TO GO ON
1 -- NUMBER OF CATEGORIES
2 -- CATEGORY NAME TABLE
3 --CATEGORY PARAMETER TABLE

RESPONSE:

0 (CR) - Finished creating or modifying management category data. (Go to B2).

1 (CR) - Want to create/modify number of management categories. (Go to B9).

2 (CR) - Want to create/modify management category name table. (Go to B10).

3 (CR) - Want to create/modify management category parameter data. (Go to B11).

(B9) PROMPT: NUMBER OF CATEGORIES?
RESPONSE: YY (CR) Where YY is the number of management categories (1-15). (Go to B8).

(B10) PROMPT: FOR CATEGORY NN GIVE 4-LTR ABBR
RESPONSE: AAAA (CR) Where AAAA is a 4 letter abbreviation for management category NN. This prompt is given for each management category defined. (Go to B8).

(B11) PROMPT: FOR CATEGORY NN GIVE TOTAL REQ'D
RESPONSE: YYY (CR) Where YY is the total strength desired in management category NN. This prompt is given for each management category defined. NOTE: the sum of the required strengths equals the desired total force strength. (Go to B8).

(B12) PROMPT: FOR SOURCE XX GIVE TRAINING FLOW RATES FROM SOURCE TO CATEGORY (REMEMBER THEY MUST SUM TO 1.00)
RESPONSE: X2, X2, ..., XN (CR)
Where X1, X2, ..., XN are training flow rates for source XX to categories 1, 2, ..., N where N is the last defined category. This prompt is given once for each source defined. (Go to B8).

(B13) PROMPT: HOW MANY CONTRACTS??
RESPONSE: YY (CR) - Where YY is the number of different type of contracts desired (1-10). (Go to B14).

(B14) PROMPT: WHICH CONTRACT (ENTER 0 WHEN FINISHED)
RESPONSE: 0 (CR) - Finished with contract subsection. (Go to B2).
YY (CR) - Where YY is the contract number to be created/ modified. (Go to B15).

(B15) PROMPT: GIVE PARAMETERS FOR CONTRACT # NN START YEAR, TOTAL CNTRCTEES, LENGTH (YRS), COST/YR, MANAGEMENT CATEGORY, LOSS RATE/YR, BONUS PAYMENT PLAN (1-EVERYONE IN YRGRPS & CATEGORY :2 - JUST CNTRCTEES)
RESPONSE: SY, YY, LY, CY, MC, LR, BP (CR)
Where SY - Is start year of contract;
YY - Is number of contractees desired;
LY - Is length of contract in years;
CY - Is cost per year (not currently used);
MC - Is management category # to apply contractees to;
LR - Is loss rate of contractees per year; and
BP - Bonus Payment Plan to use (not currently used).
(Go to B14).

4.3.2 Model Parameter File Data Display. This section covers the prompts encountered in displaying the Model Parameter file. This section also covers displaying promotion and remain in grade rates which are not stored on Model Parameter file.

(C1) PROMPT: OUTPUT TO PRINTER (1) OR TERMINAL (0)
RESPONSE: 1 (CR) - Display output on printer. (Go to C2).
0 (CR) - Display output on terminal. (Go to C2).

(C2) PROMPT: DO YOU WANT TO SEE ALL OF THE DATA??
RESPONSE: YES (CR) - Display all model parameter data. (Go to A3).
NO (CR) - Desire specific sections to be displayed. (Go to C3).

(C3) PROMPT: WHICH SECTION?? (ENTER 0 IF FINISHED)
RESPONSE: 0 (CR) - Finished, return to main program. (Go to A3).
1 (CR) - Display design strength, number of grades. (Go to C3).
2 (CR) - Display procurement data. (Go to C3).
3 (CR) - Display management category data. (Go to C3).
4 (CR) - Display training flow data. (Go to C3).
5 (CR) - Display contract data. (Go to C3).
6 (CR) - Display promotion data. (Not stored in Model Parameter file but extracted from one of required input files.) (Go to C3).
7 (CR) - Display remain in grade rates. (Not stored in Model Parameter file but extracted from one of required input files). Note that the display titles these rates as 'RESIDUAL LOSS RATES'. The rates displayed are actually remain in grade. (Go to C3).

4.4 REPORT

To execute program type:

REPORT (CR)

The following sequence of prompts will be displayed.

(D1)	PROMPT:	QRMC REPORT GENERATOR OPTIONS: 1 = TOTAL FORCE ONLY 2 = DETAIL DISPLAYS	
	RESPONSE:	1 (CR)	- Produce total force strength displays only. (Go to D2).
		2 (CR)	- Produce total force strength display and category strength displays. (Go to D2).
		3 (CR)	- Produce abbreviated detail display. No headers, totals only for category displays. Used for model validation. (Go to D2).
(D2)	PROMPT:	OUTPUT TO PRINTER (1) OR TERMINAL (0)?	
	RESPONSE:	1 (CR)	- Output displayed on printer.
		1 (CR)	- Output displayed on terminal.

At this point the program will generate the desired reports at which time execution will terminate.

4.5 COSTER

To execute program type in:

COSTER FN1 FN2

Where FN1 is the filename of the model files.

FN2 is the filename of the COSTMAP.

The following sequence of prompts will be displayed.

(E1) PROMPT: OUTPUT TO PRINTER (0) OR TERMINAL (1)? (99 = STOP)

RESPONSE:
- 0 (CR) - Display report on printer. (Go to E1).
- 1 (CR) - Display report on terminal. (Go to E1).
- 99 (CR) - Terminate execution.

5.0 CONVERSION NOTES

The system of programs and exec's which make up the DMSM System should be able to be run on any VM/CMS compatible system. Standard FORTRAN was used throughout. There are only three routines which may be site dependent. These are described below:

Routine Name		Purpose
DISPCL CLRSCRN	(Subroutine) (Module)	Clear a 3270 type screen. Has no affect on other terminal types.
QTIME	(Subroutine)	Returns the current date and time.

None of these are essential or necessary for operation of the system.

APPENDIX A

Program Cross-Reference

MODULE NAME: DRIVER

EXEC NAME: DRIVER

MAIN PROGRAM NAME: DRIVER

SUBROUTINES CALLED:

(INTERNAL NAME)	(EXTERNAL NAME) (IN DRIVER)
BLANKS	
DISPCL	DISPCL

PURPOSE:

AUTOMATICALLY CREATE EXEC FILES WHICH ARE USED IN RUNNING ADDITIONAL SYSTEM MODULES.

INPUTS:

(LUN)

5 - USER INPUT TO PROMPTS

OUTPUTS:

(LUN)

30 - READER EXEC (USED TO RUN READER)
31 - MODEL EXEC (USED TO RUN MODEL)
32 - REPORT EXEC (USER TO RUN REPORT)

MODULE NAME: READER

EXEC NAME: READER

MAIN PROGRAM NAME: READER

SUBROUTINES CALLED:

(INTERNAL NAME)	(EXTERNAL NAME)
DISPCL	DISPCL
VERIFY	VERIFY

PURPOSE:

TO READ FORCE INFORMATION AND REFORMAT FOR USE BY STATIC MODEL. VERIFICATION OF RATES IS AN OPTION.

INPUTS:

(LUN)

5 - USER INPUT TO PROMPTS
47 - FORCE INFORMATION (BY CATEGORY AND GRADE)

OUTPUTS:

(LUN)

6/2 - TERMINAL/PRINTER VERIFICATION RESULTS
48 - ATTRITION DATA
49 - REMAIN IN GRADE, PROMOTION, GAIN DATA
50 - MODEL PARAMETER INFORMATION

MODULE NAME: MODEL

EXEC NAME: MODEL

MAIN PROGRAM NAME: MODEL

SUBROUTINES CALLED:

(INTERNAL NAME)	(EXTERNAL NAME)
BCOMP	(IN MODEL)
BOUT	(IN MODEL)
BUILD	(IN MODEL)
CPRINT	(IN MODEL)
DISPCL	DISPCL
FPRINT	(IN MODEL)
HEADER	(IN MODEL)
MCOPP	(IN MODEL)
MDIST	(IN MODEL)
MGDIST	(IN MODEL)
MSETUP	(IN MODEL)
MSRCAT	(IN MODEL)
RPRINT	(IN MODEL)
SPRINT	(IN MODEL)
ZD3	(IN MODEL)

PURPOSE:

PRODUCE STEADY STATE FORCE PROFILE BASED UPON USER DEFINED INPUT PARAMETERS AND FORCE DATA. CAN ALSO BE USED TO BUILD MODEL PARAMETER FILE W/O RUNNING MODEL.

INPUTS:

(LUN)

5 - USER INPUT TO PROMPTS
10 - MODEL PARAMETER FILE
49 - REMAIN IN GRADE, PROMOTION, GAIN DATA
50 - MODEL INFO

OUTPUTS:

(LUN)

6/2 - TERMINAL/PRINTER OUTPUT REPORTS
11 - UPDATED MODEL PARAMETER FILE
46 - FORCE STRUCTURE MODEL OUTPUT BY CATEGORY AND GRADE

MODULE NAME: REPORT

EXEC NAME: REPORT

MAIN PROGRAM NAME: REPORT

SUBROUTINES CALLED:

(INTERNAL NAME)	(EXTERNAL NAME)
DISPCL	DISPCL
FLOW	(IN REPORT)
HEADER	(IN REPORT)
QTIME	QTIME
REPORT	(IN REPORT)

PURPOSE:

TO PRODUCE SUMMARY AND DETAIL FORCE STRUCTURE REPORTS OF OUTPUT FROM MODEL.

INPUTS:

(LUN)

5 - USER INPUT TO PROMPTS
46 - FORCE STRUCTURE OUTPUT FROM MODEL
48 - ATTRITION DATA
49 - PROMOTION OPPORTUNITY, GAIN DATA

OUTPUTS:

(LUN)

6/2 - TERMINAL/PRINTER OUTPUT REPORTS

MODULE NAME: COSTER

EXEC NAME: COSTER

MAIN PROGRAM NAME: COSTER

SUBROUTINES CALLED:

(INTERNAL NAME)	(EXTERNAL NAME)
DISPCL	DISPCL
LOADC	(IN COSTER)

PURPOSE:

PRODUCE AGGREGATE AND DETAILED COSTING OF MODEL OUTPUT.

INPUTS:

(LUN)

5 - USER RESPONSE TO PROMPTS
30 - COST DATA BASE
31 - COSTMAP
46 - FORCE STRUCTURE OUTPUT FROM MODEL
48 - ATTRITION DATA
49 - GAIN DATA

OUTPUTS:

(LUN)

6/2 - TERMINAL/PRINTER OUTPUT REPORT

```
FILE: PROFILE  EXEC     A                VM/SP CONVERSATIONAL MONITOR SYSTEM
PAGE 001


&CONTROL OFF
TERMINAL LINESIZE 131
GLOBAL TXTLIB FORTMOD1
EXEC QRMC1
SET PF1 IMMED DRIVER
SET PF3 IMMED QRMCREAD
SET PF5 IMMED QRMCMODL
SET PF7 IMMED QRMCRPRT
SET PF9 IMMED QRMCCOST
FILEDEF 6 TERMINAL ( LRECL 131 BLKSIZE 132 RECFM F PERM
&EXIT
```

```
FILE: DRIVER   EXEC     A                VM/SP CONVERSATIONAL MONITOR SYSTEM
PAGE 001


&CONTROL OFF
ERASE READER EXEC
ERASE MODEL EXEC
ERASE REPORT EXEC
*ERASE COSTER EXEC
FILEDEF 30 DISK READER EXEC A1
FILEDEF 31 DISK MODEL EXEC A1
FILEDEF 32 DISK REPORT EXEC A1
*FILEDEF 33 DISK COSTER EXEC A1
DRIVER
&BEGTYPE
MODEL SETUP HAS BEEN COMPLETED
PLEASE PRESS THE APPROPRIATE PF KEY TO CONTINUE
PF 3 = DATA FILE REFORMATTING AND VALIDATION
PF 5 = MODEL
PF 7 = MODEL OUTPUT REPORTS (LESS COSTING)
PF 9 = MODEL OUTPUT COSTING
========== G O O D  L U C K ==========
&END
&EXIT
```

```
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC DRI00010
C                                                                              C DRI00020
C            D R I V E R                                                       C DRI00030
C                                                                              C DRI00040
C    THIS PROGRAM IS THE USER INTERFACE FOR THE QRMC STATIC MODEL.              CDRI00050
C    IT QUERIES THE USER FOR INFORMATION AND AUTOMATICALLY CREATES             C DRI00060
C    AN EXEC WHICH WILL RUN THE MODEL. THE EXEC CAN BE EXECUTED BY             C DRI00070
C    PRESSING A PF KEY. (DEFINED IN USER PROFILE EXEC)                         C DRI00080
C                                                                              C DRI00090
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC DRI00100
      COMMON OUT                                                                 DRI00110
      INTEGER OUT(20),TYPE(3)                                                    DRI00120
       DATA TYPE/'9   ','6   ','4   '/                                           DRI00130
C                                                                                DRI00140
      IOUT=30                                                                    DRI00150
C                                                                                DRI00160
      CALL DISPCL                                                                DRI00170
      CALL BLANKS                                                                DRI00180
C                                                                                DRI00190
      WRITE(6,100)                                                               DRI00200
100   FORMAT(20X,'*********************************************',/,               DRI00210
     1       20X,'*  QRMC STATIC MODEL DRIVER PROGRAM  *',/,                     DRI00220
     2       20X,'*********************************************')                DRI00230
      WRITE(6,110)                                                               DRI00240
110   FORMAT(' ENTER NAME OF USERID WHERE  DATA EXISTS (8 CHAR MAX)')            DRI00250
      READ(5,120) OUT(1),OUT(2)                                                  DRI00260
120   FORMAT(A4,A4)                                                              DRI00270
      WRITE(6,130)                                                               DRI00280
130   FORMAT(1X,'ENTER FIRST NAME OF FILE (E.G. USAFE)')                         DRI00290
      READ(5,120) OUT(3),OUT(4)                                                  DRI00300
      WRITE(6,145)                                                               DRI00310
145   FORMAT(1X,'ENTER SECOND NAME OF FILE (E.G. CURRENT)')                      DRI00320
      READ(5,120) OUT(5),OUT(6)                                                  DRI00330
      WRITE(6,150)                                                               DRI00340
150   FORMAT(1X,'ENTER RUNTYPE ENLISTED=1 OFFICER=2 WARRANT=3')                  DRI00350
      READ(5,*) ITY                                                              DRI00360
C                                                                                DRI00370
C***** NOW CREATE EXECS USING INFO *****                                         DRI00380
C   CREATE QRMCREAD EXEC FIRST                                                   DRI00390
C                                                                                DRI00400
      WRITE(IOUT,199)                                                            DRI00410
199   FORMAT('&CONTROL OFF',/,'&ERROR &GOTO -ERREXIT')                           DRI00420
      WRITE(IOUT,200) OUT(1),OUT(2),OUT(3),OUT(4),OUT(5),OUT(6)                  DRI00430
200   FORMAT('LINK TO ',A4,A4,' 191 193 RR PASS= RPASS',/,                       DRI00440
     1'ACCESS 193 B',/,                                                          DRI00450
     2'FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM',/,                DRI00460
```

```
     2'FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM',/,       DRI00470
     3'FILEDEF 47 DISK ',A4,A4,1X,A4,A4,' B1')                          DRI00480
      WRITE(IOUT,210) OUT(3),OUT(4),OUT(3),OUT(4),OUT(3),OUT(4)         DRI00490
210   FORMAT('FILEDEF 48 DISK ',A4,A4,' LRATES A4',/,                   DRI00500
     1'FILEDEF 49 DISK ',A4,A4,' GRATES A4',/,                          DRI00510
     2'FILEDEF 50 DISK ',A4,A4,' INFO A4')                              DRI00520
      WRITE(IOUT,220) OUT(3),OUT(4),OUT(5),OUT(6),TYPE(ITY)             DRI00530
220   FORMAT('&BEGSTACK',/,4A4,/,A4,/,'YES ',/,'1   ',/,'&END',/,       DRI00540
     1'READER',/,'DET 193',/,'RELEASE B',/,'&EXIT',/,                   DRI00550
     2'-ERREXIT &CONTINUE',/,'&BEGTYPE',/,                              DRI00560
     3'  SOMETHING IS AMISS---PLEASE CONTACT MODEL MANAGER',/,          DRI00570
     $'  YOU WERE ATTEMPTING TO REFORMAT YOUR DATA-QREAD  ',/,          DRI00580
     $'&END',/,'DET 193',/,'RELEASE B',/,'&EXIT')                       DRI00590
C                                                                       DRI00600
C***********************************************************************DRI00610
C   NOW CREATE THE QRMCMODL EXEC                                        DRI00620
C***********************************************************************DRI00630
C                                                                       DRI00640
      IOUT=31                                                           DRI00650
C                                                                       DRI00660
      WRITE(IOUT,300)                                                   DRI00670
300   FORMAT('&CONTROL OFF',/,'&ERROR &GOTO -ERREXIT',/,                DRI00680
     1'FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM',/,       DRI00690
     2'FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM')         DRI00700
      WRITE(IOUT,301) OUT(3),OUT(4),OUT(3),OUT(4),OUT(3),OUT(4),        DRI00710
     1                OUT(3),OUT(4),OUT(3),OUT(4)                       DRI00720
301   FORMAT('FILEDEF 10 DISK ',2A4,' DATA A4',/,                       DRI00730
     1       'FILEDEF 11 DISK ',2A4,' DATA A4',/,                       DRI00740
     2      'FILEDEF 46 DISK ',2A4,' SUBSTRUC A4',/,                    DRI00750
     3       'FILEDEF 49 DISK ',2A4,' GRATES A4',/,                     DRI00760
     4       'FILEDEF 50 DISK ',2A4,' INFO A4',/,                       DRI00770
     5'MODEL',/,'&EXIT',/,'-ERREXIT &CONTINUE',/,                       DRI00780
     6'&BEGTYPE',/,                                                     DRI00790
     7' ERROR IN RUNNING STATIC MODEL -- CONTACT MODEL MANAGER',/,      DRI00800
     8'================================================',/,            DRI00810
     9'&EXIT')                                                          DRI00820
C                                                                       DRI00830
C***********************************************************************DRI00840
C    CREATE QREPORT EXEC                                                DRI00850
C***********************************************************************DRI00860
C                                                                       DRI00870
      IOUT=32                                                           DRI00880
C                                                                       DRI00890
      WRITE(IOUT,300)                                                   DRI00900
      WRITE(IOUT,400) OUT(3),OUT(4),OUT(3),OUT(4),OUT(3),OUT(4)         DRI00910
400   FORMAT('FILEDEF 46 DISK ',2A4,' SUBSTRUC A4',/,                   DRI00920
```

```
     1       'FILEDEF 48 DISK ',2A4,' LRATES A4',/,                    DRI00930
     1       'FILEDEF 49 DISK ',2A4,' GRATES A4',/,                    DRI00940
     2'REPORT',/,'&EXIT',/,'-ERREXIT &CONTINUE',/,                     DRI00950
     3'&BEGTYPE',/,                                                    DRI00960
     4'   ERROR IN RUNNING REPORT PROGRAM',/,                          DRI00970
     5'  CONTACT MODEL MANAGER',/,'&END',/,'&EXIT')                    DRI00980
      STOP                                                             DRI00990
      END                                                              DRI01000
      SUBROUTINE BLANKS                                                DRI01010
      COMMON OUT                                                       DRI01020
      INTEGER OUT(20),BLANK                                            DRI01030
      DATA BLANK/'    '/                                               DRI01040
      DO 100 I=1,20                                                    DRI01050
      OUT(I)=BLANK                                                     DRI01060
100   CONTINUE                                                         DRI01070
      RETURN                                                           DRI01080
      END                                                              DRI01090
```

```
&CONTROL OFF
&ERROR &GOTO -ERREXIT1
CLRSCRN
&TYPE PROGRAM ASSUMES DATA FILES INITIALLY RESIDE ON QRMC2RAS
&USER = QRMC2JVD
&TYPE ENTER FILENAME EG. DCO04ACL
&READ VARS &FN1
&TYPE ENTER FILETYPE EG. ODELTAX7
&READ VARS &FT1
&TYPE ENTER COSTMAP FILENAME
&READ VARS &CM
&TYPE OFFICER OR ENLISTED RUN?  O OR E
&READ VARS &G1
&GRADE = 6
&G2 = &SUBSTR &G1 1 1
&IF &G2 NE E &GOTO -OFFICER
&GRADE = 9
-OFFICER
LINK TO &USER 191 193 RR PASS= RPASS
ACCESS 193 B
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 47 DISK &FN1 &FT1 B1
FILEDEF 48 DISK &FN1 LRATES A4
FILEDEF 49 DISK &FN1 GRATES A4
FILEDEF 50 DISK &FN1 INFO A4
&STACK &FN1 &FT1
&STACK &GRADE
&STACK NO
READER
DET 193
RELEASE B
&GOTO -MODEL
-ERREXIT1
 &TYPE SOMETHING IS AMISS--ERROR OCCURRED IN READER
 DET 193
 RELEASE B
 &EXIT
-MODEL CLRSCRN
 &ERROR &GOTO -ERREXIT2
 FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
 FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
 FILEDEF 10 DISK &FN1 DATA A4
 FILEDEF 11 DISK &FN1 DATA A4
 FILEDEF 46 DISK &FN1 SUBSTRUC A4
 FILEDEF 49 DISK &FN1 GRATES A4
```

```
 FILEDEF 50 DISK &FN1 INFO A4
&BEGSTACK
YES
NO
NO
NO
YES
1
NO
NO
&END
MODELL
&GOTO -REPORT
-ERREXIT2
 &TYPE ERROR IN MODEL MODULE -- CONTACT MODEL MANAGER
 &EXIT
-REPORT CLRSCRN
 &ERROR &GOTO -ERREXIT3
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 46 DISK &FN1 SUBSTRUC A4
FILEDEF 48 DISK &FN1 LRATES A4
FILEDEF 49 DISK &FN1 GRATES A4
&STACK 2
&STACK 1
REPORT
&GOTO -COST
-ERREXIT3
 &TYPE ERROR IN RUNNING REPORT PROGRAM CONTACT MODEL MANAGER
 &EXIT
-COST CLRSCRN
LINK TO QRMC5RH2 191 199 RR RPASS
ACCESS 199 H
LINK TO QRMC2JVD 191 198 RR RPASS
ACCESS 198 G
&ERROR &GOTO -ERREXIT4
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 46 DISK &FN1 SUBSTRUC A4
FILEDEF 48 DISK &FN1 LRATES A4
FILEDEF 49 DISK &FN1 GRATES A4
FILEDEF 30 DISK COST DATABASE H1 ( XTENT 54001
FILEDEF 31 DISK &CM COSTMAP G1 ( RECFM F LRECL 132 BLKSIZE 132
&TYPE PLEASE   STANDBY - PROGRAM CRUNCHING DATA
&STACK 0
&STACK 99
```

```
COSTER
&GOTO -DONE
-ERREXIT4
 &TYPE ABNORMAL TERMINATION IN COST ROUTINE EXEC
-DONE DET 199
 RELEASE H
 DET 198
 RELEASE G
 &EXIT
```

FILE: ACE09CAT CURRENT A VM/SP CONVERSATIONAL MONITOR SYSTEM
PAGE 001

ARMY CURRENT OBJ ENLISTED FORCE -- OCCUPATION CODE 0
NAVY CURRENT (E-1)--E1

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	TO CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
01	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
02	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
03	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
04	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
05	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
06	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
07	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
08	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
09	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
10	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
11	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
12	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
13	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
14	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
15	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
16	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
17	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
18	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
19	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
20	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
21	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
22	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
23	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
24	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
25	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
26	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
27	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
28	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
29	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
30	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
31	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
32	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
33	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
34	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
35	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000

		<-ATTRITION - RETIREMENT->					<-- ATTRITION - OTHER -->			
YR	DEATH	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY
01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
07	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
08	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
09	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
19	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
26	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
32	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

NAVY CURRENT (E-2)-- E2

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER OTHER	TO CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
01	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
02	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
03	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
04	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
05	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
06	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
07	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
08	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
09	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
10	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
11	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
12	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000

13	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
14	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
15	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
16	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
17	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
18	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
19	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
20	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
21	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
22	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
23	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
24	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
25	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
26	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
27	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
28	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
29	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
30	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
31	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
32	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
33	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
34	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
35	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000

		<-ATTRITION - RETIREMENT->				<-- ATTRITION - OTHER -->			
YR	DEATH	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY
01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
07	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
08	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
09	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
19	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
26	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
32	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

ARMY CURRENT FORCE (E-3)--A2 OXXE3

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
1	34860.	34860.	0.	0.	0.0	10.	0.0003	0.5342	0.3360
2	18728.	105.	0.	0.	0.0	52.	0.0028	0.3318	0.5830
3	6405.	190.	0.	0.	0.0	0.	0.0	0.1861	0.1806
4	1575.	382.	0.	0.	0.0	3.	0.0019	0.0	0.0
5	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
6	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
7	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
8	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
9	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
10	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
11	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
12	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
13	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
14	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
15	0.	0.	0.	0	0.0	0.	0.0	0.0	0.0
16	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
17	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
18	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
19	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
20	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
21	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
22	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
23	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
24	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
25	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
26	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
27	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
28	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0

29	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
30	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
31	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
32	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
33	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
34	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
35	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0

		<-ATTRITION - RETIREMENT->				<-- ATTRITION - OTHER -->			
YR	DEATH	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY
1	0.0005	0.0009	0.0	0.0	0.0	0.0066	0.0012	0.0026	0.1177
2	0.0005	0.0010	0.0	0.0	0.0	0.0013	0.0001	0.0035	0.0760
3	0.0036	0.0066	0.0	0.0	0.0	0.0030	0.0005	0.1023	0.5173
4	0.0006	0.0032	0.0	0.0	0.0	0.0025	0.9918	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ARMY CURRENT FORCE (E-4)--A2 0XXE4

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
1	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
2	11719.	5.	0.	0. 0.0	8.	0.0007	0.8657	0.0620
3	21124.	59.	0.	0. 0.0	5.	0.0002	0.3719	0.0964
4	9296.	284.	0.	0. 0.0	4.	0.0004	0.2547	0.4074
5	2368.	0.	0.	0. 0.0	1.	0.0004	0.5464	0.3328
6	1294.	0.	0.	0. 0.0	3.	0.0023	0.7157	0.1414
7	926.	0.	0.	0. 0.0	0.	0.0	0.7450	0.1210
8	690.	0.	0.	0. 0.0	0.	0.0	0.7552	0.0884
9	521.	0.	0.	0. 0.0	0.	0.0	0.8177	0.0384
10	426.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
11	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
12	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
13	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
14	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
15	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
16	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
17	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
18	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
19	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
20	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
21	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
22	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
23	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
24	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
25	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
26	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
27	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
28	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
29	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
30	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
31	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
32	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
33	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
34	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0
35	0.	0.	0.	0. 0.0	0.	0.0	0.0	0.0

		|<-ATTRITION - RETIREMENT->|				|<-- ATTRITION - OTHER -->|		
YR	DEATH	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0032	0.0023	0.0	0.0	0.0	0.0020	0.0	0.0340	0.0301
3	0.0060	0.0071	0.0	0.0	0.0	0.0043	0.0	0.3555	0.1586
4	0.0012	0.0012	0.0	0.0	0.0	0.0008	0.0002	0.3057	0.0284
5	0.0004	0.0013	0.0	0.0	0.0	0.0004	0.0	0.1035	0.0148
6	0.0008	0.0031	0.0	0.0	0.0	0.0015	0.0015	0.0595	0.0742

7	0.0	0.0022	0.0	0.0	0.0	0.0	0.0	0.0940	0.0378
8	0.0	0.0043	0.0	0.0	0.0	0.0014	0.0	0.1000	0.0507
9	0.0	0.0038	0.0	0.0	0.0	0.0019	0.0	0.1056	0.0326
10	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ARMY CURRENT FORCE (E-5)--A2 0XXE5

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
1	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
2	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
3	731.	4.	0.	0.	0.0	1.	0.0014	0.4705	0.0
4	2437.	57.	0.	0.	0.0	5.	0.0021	0.6709	0.0
5	5506.	84.	0.	0.	0.0	16.	0.0029	0.8579	0.0218
6	5514.	2.	0.	0.	0.0	6.	0.0011	0.8202	0.0384
7	4707.	2.	0.	0.	0.0	0.	0.0	0.4264	0.4502
8	2129.	10.	0.	0.	0.0	2.	0.0009	0.4810	0.3753
9	1094.	9.	0.	0.	0.0	0.	0.0	0.6115	0.2578
10	697.	8.	0.	0.	0.0	0.	0.0	0.6657	0.2640
11	464.	0.	0.	0.	0.0	0.	0.0	0.7521	0.1616
12	349.	0.	0.	0.	0.0	0.	0.0	0.7679	0.1547
13	268.	0.	0.	0.	0.0	0.	0.0	0.9291	0.0
14	249.	0.	0.	0.	0.0	0.	0.0	0.9559	0.0040

15	238.	0.	0.	0.	0.0	0.	0.0	0.9916	0.0
16	236.	0.	0.	0.	0.0	0.	0.0	0.9491	0.0297
17	224.	0.	0.	0.	0.0	0.	0.0	0.9688	0.0223
18	217.	0.	0.	0.	0.0	0.	0.0	0.9632	0.0276
19	209.	0.	0.	0.	0.0	0.	0.0	0.9665	0.0239
20	202.	0.	0.	0.	0.0	0.	0.0	0.6089	0.0297
21	123.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
22	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
23	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
24	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
25	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
26	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
27	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
28	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
29	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
30	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
31	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
32	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
33	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
34	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
35	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0

		<-ATTRITION - RETIREMENT->				<-- ATTRITION - OTHER -->			
YR	DEATH	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0096	0.0	0.0	0.0	0.0	0.0	0.0	0.4911	0.0274
4	0.0008	0.0012	0.0	0.0	0.0	0.0008	0.0	0.3082	0.0160
5	0.0004	0.0004	0.0	0.0	0.0	0.0004	0.0	0.1093	0.0069
6	0.0036	0.0058	0.0	0.0	0.0	0.0025	0.0005	0.0807	0.0472
7	0.0002	0.0006	0.0	0.0	0.0	0.0006	0.0002	0.1035	0.0183
8	0.0019	0.0033	0.0	0.0	0.0	0.0033	0.0	0.0991	0.0352
9	0.0009	0.0027	0.0	0.0	0.0	0.0	0.0009	0.0960	0.0302
10	0.0014	0.0029	0.0	0.0	0.0	0.0014	0.0	0.0459	0.0187
11	0.0022	0.0022	0.0	0.0	0.0	0.0022	0.0	0.0560	0.0237
12	0.0	0.0029	0.0	0.0	0.0	0.0029	0.0	0.0573	0.0143
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0522	0.0187
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0040	0.0281	0.0080
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0042	0.0042
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0127	0.0085
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0089	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0092	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0096	0.0
20	0.0	0.0	0.0	0.3614	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ARMY CURRENT FORCE (E-6)--A2 OXXE6

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
1	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
2	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
3	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
4	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
5	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
6	120.	0.	0.	0.	0.0	7.	0.0583	0.8583	0.0
7	315.	0.	0.	0.	0.0	7.	0.0222	0.8287	0.0476
8	2380.	0.	0.	0.	0.0	13.	0.0055	0.8545	0.0013
9	2833.	0.	0.	0.	0.0	13.	0.0046	0.8651	0.0053
10	2734.	1.	0.	0.	0.0	9.	0.0033	0.9218	0.0084
11	2704.	0.	0.	0.	0.0	3.	0.0011	0.8189	0.0958
12	2289.	0.	0.	0.	0.0	0.	0.0	0.8307	0.0926
13	1955.	0.	0.	0.	0.0	0.	0.0	0.5919	0.3289
14	1158.	1.	0.	0.	0.0	0.	0.0	0.6995	0.2634
15	812.	1.	0.	0.	0.0	0.	0.0	0.7205	0.2463
16	586.	1.	0.	0.	0.0	0.	0.0	0.7816	0.1980
17	465.	0.	0.	0.	0.0	0.	0.0	0.8687	0.1204
18	409.	0.	0.	0.	0.0	0.	0.0	0.9096	0.0782
19	378.	0.	0.	0.	0.0	0.	0.0	0.9233	0.0661
20	354.	0.	0.	0.	0.0	0.	0.0	0.5989	0.0424
21	218.	0.	0.	0.	0.0	0.	0.0	0.6789	0.0367
22	148.	0.	0.	0.	0.0	0.	0.0	0.7298	0.0270
23	108.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
24	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
25	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
26	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
27	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
28	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
29	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
30	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0

31	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
32	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
33	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
34	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
35	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0

		<-ATTRITION - RETIREMENT->				<-- ATTRITION - OTHER -->			
YR	DEATH	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0167	0.0	0.0	0.0	0.0	0.0	0.0	0.0417	0.0250
7	0.0063	0.0032	0.0	0.0	0.0	0.0	0.0	0.0825	0.0095
8	0.0	0.0013	0.0	0.0	0.0	0.0013	0.0013	0.1235	0.0113
9	0.0014	0.0039	0.0	0.0	0.0	0.0025	0.0	0.1059	0.0113
10	0.0018	0.0011	0.0	0.0	0.0	0.0007	0.0	0.0475	0.0154
11	0.0059	0.0044	0.0	0.0	0.0	0.0007	0.0026	0.0540	0.0166
12	0.0017	0.0048	0.0	0.0	0.0	0.0	0.0017	0.0585	0.0100
13	0.0	0.0051	0.0	0.0	0.0	0.0	0.0	0.0593	0.0148
14	0.0017	0.0026	0.0	0.0	0.0	0.0	0.0017	0.0233	0.0078
15	0.0049	0.0012	0.0	0.0	0.0	0.0012	0.0025	0.0123	0.0111
16	0.0	0.0	0.0	0.0	0.0	0.0034	0.0	0.0085	0.0085
17	0.0	0.0022	0.0	0.0	0.0	0.0	0.0043	0.0022	0.0022
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0098	0.0024
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0106	0.0
20	0.0	0.0169	0.0	0.3418	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0138	0.0	0.2706	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0135	0.0	0.2297	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ARMY CURRENT FORCE (E-7)--A2 0XXE7

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT

1	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
2	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
3	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
4	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
5	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
6	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
7	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
8	15.	0.	0.	0.	0.0	0.	0.0	0.8667	0.0
9	16.	0.	0.	0.	0.0	0.	0.0	0.8750	0.0
10	29.	0.	0.	0.	0.0	2.	0.0690	0.9310	0.0
11	50.	0.	0.	0.	0.0	4.	0.0800	0.6800	0.2400
12	293.	0.	0.	0.	0.0	4.	0.0137	0.8976	0.0273
13	475.	0.	0.	0.	0.0	4.	0.0084	0.8989	0.0211
14	1070.	0.	0.	0.	0.0	3.	0.0028	0.9440	0.0196
15	1315.	0.	0.	0.	0.0	2.	0.0015	0.9384	0.0350
16	1434.	0.	0.	0.	0.0	0.	0.0	0.8946	0.0865
17	1400.	1.	0.	0.	0.0	0.	0.0	0.8751	0.1136
18	1281.	0.	0.	0.	0.0	0.	0.0	0.7276	0.2615
19	964.	0.	0.	0.	0.0	0.	0.0	0.7520	0.2376
20	750.	0.	0.	0.	0.0	0.	0.0	0.2973	0.3427
21	238.	0.	0.	0.	0.0	0.	0.0	0.2311	0.4832
22	63.	0.	0.	0.	0.0	0.	0.0	0.5556	0.2063
23	39.	0.	0.	0.	0.0	0.	0.0	0.5898	0.2051
24	23.	0.	0.	0.	0.0	0.	0.0	0.5218	0.1739
25	12.	0.	0.	0.	0.0	0.	0.0	0.7500	0.1667
26	9.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
27	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
28	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
29	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
30	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
31	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
32	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
33	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
34	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
35	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0

		<-ATTRITION - RETIREMENT->				<-- ATTRITION - OTHER -->			
YR	DEATH	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1333	0.0

9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1250	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0102	0.0	0.0	0.0	0.0	0.0034	0.0	0.0307	0.0171
13	0.0	0.0105	0.0	0.0	0.0	0.0	0.0	0.0611	0.0
14	0.0	0.0084	0.0	0.0	0.0	0.0	0.0	0.0168	0.0084
15	0.0038	0.0038	0.0	0.0	0.0	0.0	0.0023	0.0129	0.0023
16	0.0070	0.0049	0.0	0.0	0.0	0.0	0.0	0.0070	0.0
17	0.0	0.0071	0.0	0.0	0.0	0.0	0.0014	0.0014	0.0014
18	0.0008	0.0023	0.0	0.0	0.0	0.0	0.0031	0.0047	0.0
19	0.0021	0.0041	0.0	0.0	0.0	0.0	0.0	0.0021	0.0021
20	0.0	0.0080	0.0	0.3520	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0042	0.0	0.2815	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.2381	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.2051	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.3043	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0833	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ARMY CURRENT FORCE (E-8)--A2 0XXE8

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
1	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
2	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
3	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
4	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
5	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
6	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
7	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
8	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
9	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
10	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
11	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
12	12.	0.	0.	0.	0.0	0.	0.0	0.9167	0.0
13	19.	0.	0.	0.	0.0	0.	0.0	0.9474	0.0
14	28.	0.	0.	0.	0.0	0.	0.0	0.9643	0.0
15	48.	0.	0.	0.	0.0	0.	0.0	0.9792	0.0
16	93.	0.	0.	0.	0.0	0.	0.0	0.9462	0.0323

17	212.	0.	0.	0.	0.0	0.	0.0	0.9859	0.0047
18	368.	0.	0.	0.	0.0	0.	0.0	0.9782	0.0109
19	695.	0.	0.	0.	0.0	0.	0.0	0.9755	0.0144
20	907.	0.	0.	0.	0.0	0.	0.0	0.6263	0.0132
21	825.	0.	0.	0.	0.0	0.	0.0	0.6776	0.0376
22	674.	0.	0.	0.	0.0	0.	0.0	0.5869	0.0727
23	476.	0.	0.	0.	0.0	0.	0.0	0.5273	0.2731
24	259.	0.	0.	0.	0.0	0.	0.0	0.4092	0.2819
25	110.	0.	0.	0.	0.0	0.	0.0	0.6636	0.2182
26	75.	0.	0.	0.	0.0	0.	0.0	0.5067	0.2933
27	38.	0.	0.	0.	0.0	0.	0.0	0.3947	0.3421
28	15.	0.	0.	0.	0.0	0.	0.0	0.7333	0.0
29	11.	0.	0.	0.	0.0	0.	0.0	0.8182	0.0
30	9.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
31	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
32	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
33	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
34	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
35	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0

		<-ATTRITION - RETIREMENT->				<-- ATTRITION - OTHER -->			
YR	DEATH	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0833	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0526	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0357	0.0
15	0.0	0.0208	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0215	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0094	0.0
18	0.0	0.0109	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0043	0.0	0.0	0.0	0.0058	0.0	0.0	0.0
20	0.0	0.0132	0.0	0.3473	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0109	0.0	0.2739	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0089	0.0	0.2315	0.0	0.0	0.0	0.0	0.0
23	0.0021	0.0084	0.0	0.1891	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0116	0.0	0.2973	0.0	0.0	0.0	0.0	0.0

25	0.0	0.0091	0.0	0.1091	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0267	0.0	0.1733	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.2632	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.2667	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0 1818	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ARMY CURRENT FORCE (E-9)--A2 OXXE9

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
1	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
2	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
3	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
4	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
5	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
6	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
7	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
8	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
9	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
10	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
11	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
12	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
13	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
14	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
15	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
16	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
17	3.	0.	0.	0.	0.0	0.	0.0	1.0000	0.0
18	4.	0.	0.	0.	0.0	0.	0.0	1.0000	0.0
19	8.	0.	0.	0.	0.0	0.	0.0	1.0000	0.0
20	18.	0.	0.	0.	0.0	0.	0.0	0.6667	0.0
21	24.	0.	0.	0.	0.0	0.	0.0	0.7083	0.0
22	48.	0.	0.	0.	0.0	0.	0.0	0.7500	0.0
23	85.	0.	0.	0.	0.0	0.	0.0	0.8000	0.0
24	198.	0.	0.	0.	0.0	0.	0.0	0.6919	0.0
25	210.	0.	0.	0.	0.0	0.	0.0	0.8857	0.0
26	210.	0.	0.	0.	0.0	0.	0.0	0.7952	0.0
27	189.	0.	0.	0.	0.0	0.	0.0	0.7407	0.0
28	153.	0.	0.	0.	0.0	0.	0.0	0.7582	0.0
29	116.	0.	0.	0.	0.0	0.	0.0	0.6983	0.0
30	81.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
31	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
32	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0

33	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
34	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0
35	0.	0.	0.	0.	0.0	0.	0.0	0.0	0.0

		|<-ATTRITION - RETIREMENT->|				|<-- ATTRITION - OTHER -->|		
YR	DEATH	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.3333	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.2917	0.0	0.0	0.0	0.0	0.0
22	0.0208	0.0	0.0	0.2292	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.2000	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.3081	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0095	0.0	0.1048	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.2048	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.2593	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.2418	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.3017	0.0	0.0	0.0	0.0	0.0
30	0.0123	0.0494	0.9383	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

```
&CONTROL OFF
&ERROR &GOTO -ERREXIT
LINK TO QRMC1NAM 191 193 RR PASS= RPASS
ACCESS 193 B
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 47 DISK DCE00XX  OCCDATA  B1
FILEDEF 48 DISK DCE00XX  LRATES A4
FILEDEF 49 DISK DCE00XX  GRATES A4
FILEDEF 50 DISK DCE00XX  INFO A4
&BEGSTACK
DCE00XX OCCDATA
9
YES
1
&END
READER
DET 193
RELEASE B
&EXIT
-ERREXIT
 &TYPE SOMETHING IS AMISS IN READER - CONTACT MODEL MANAGER
 DET 193
 RELEASE B
 &EXIT
```

```
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  REA00010
C                                                                        REA00020
C      READS A FORCE FILE AND WRITES TO UNIT 48,49,AND 50                REA00030
C        IN UNFORMATTED MODE                                             REA00040
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  REA00050
      COMMON FILE(35,19,10),T1(65),T2(65)                                REA00060
      DIMENSION L1(130),L2(189)                                          REA00070
      DIMENSION GAINS(35,15,10,2),PROMOT(35,15,10),REMGRD(35,15,10),     REA00080
     1          ATTRIT(35,10,12),NAMFIL(2),NAMTYP(2)                     REA00090
C                                                                        REA00100
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  REA00110
C                                                                     C  REA00120
C  EXPECTED INPUT FORMAT FROM UNIT 47                                 C  REA00130
C                                                                     C  REA00140
C  FILE(*,1,*)= YEAR                FILE(*,2,*)= STRENGTH            C  REA00150
C  FILE(*,3,*)= GAINS TO            FILE(*,4,*)= GAINS OTHER         C  REA00160
C  FILE(*,5,*)= XFER OTHER CAT      FILE(*,6,*)= XFER OTHER CAT(RATE) C  REA00170
C  FILE(*,7,*)= XFER OFF            FILE(*,8,*)= XFER OFF (RATE)     C  REA00180
C  FILE(*,9,*)= REM IN GRADE(RATE) FILE(*,10,*)= PROM OUT(RATE)      C  REA00190
C  FILE(*,11,*)= DEATH(RATE)        FILE(*,12,*)= ATT RET DIS(RATE)  C  REA00200
C  FILE(*,13,*)= ATT RET FC (RATE) FILE(*,14,*)= ATT RET VOL(RATE)  C  REA00210
C  FILE(*,15,*)= ATT RET INV(RATE) FILE(*,16,*)= ATT OTH DIS(RATE)  C  REA00220
C  FILE(*,17,*)= ATT OTH FC (RATE) FILE(*,18,*)= ATT OTH VOL(RATE)  C  REA00230
C  FILE(*,19,*)=ATT OTH INV (RATE)                                   C  REA00240
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  REA00250
C                                                                        REA00260
      INTEGER YES,NO,IANS                                                REA00270
      DATA YES/'YES'/,NO/'NO'/                                           REA00280
C                                                                        REA00290
      INFILE=47                                                          REA00300
C                                                                        REA00310
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  REA00320
C   MAPPING OF ELEMENTS AS FOLLOWS:                                   C  REA00330
C                                                                     C  REA00340
C   REMGRD(Y,C,G),PROMOT(Y,C,G),GAINS(Y,C,G),ATTRIT(Y,G,T)            C  REA00350
C                                                                     C  REA00360
C   WHERE: Y=YOS C=CAT G=GRADE                                        C  REA00370
C          T=1=XFR OTH T=2=XFR OFF T=3=DEATH T=4=ATT RET DIS          C  REA00380
C          T=5=ATT RET FC T=6=ATT RET VOL T=7=ATT RET INV             C  REA00390
C          T=8=ATT OTH DIS T=9=ATT OTH FC T=10=ATT OTH VOL            C  REA00400
C          T=11=ATT OTH INV T=12=PROM OUT (GRADE=MAX ONLY)            C  REA00410
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  REA00420
C                                                                        REA00430
      CALL DISPCL                                                        REA00440
C-------READ FILENAME AND FILETYPE (STACKED IN EXEC)                    REA00450
      READ(5,6) NAMFIL(1),NAMFIL(2),NAMTYP(1),NAMTYP(2)                  REA00460
```

```
6     FORMAT(4A4)                                                    REA00470
C                                                                    REA00480
      GIN=0.0                                                        REA00490
      GOUT=0.0                                                       REA00500
C                                                                    REA00510
      WRITE(6,200)                                                   REA00520
200   FORMAT(1X,'THIS PROGRAM READS A BASIC FORCE FILE',/,           REA00530
     11X,'HOW MANY GRADES IN A CATEGORY???')                         REA00540
      READ(5,*) IEND                                                 REA00550
      WRITE(6,201)                                                   REA00560
201   FORMAT(1X,'DO YOU WISH TO VERIFY RATE DATA??? (YES OR NO)')    REA00570
      READ(5,199) IANS                                               REA00580
199   FORMAT(A4)                                                     REA00590
      ISTART=1                                                       REA00600
      IF(IANS.EQ.NO)GO TO 209                                        REA00610
203   WRITE(6,204)                                                   REA00620
204   FORMAT(1X,'VERIFICATION OUTPUT TO PRINTER(1) OR TERMINAL(0)?') REA00630
      READ(5,*) IOUT                                                 REA00640
      IF(IOUT.GT.1.OR.IOUT.LT.0)GO TO 203                            REA00650
      IOUT=6-(IOUT*4)                                                REA00660
209   CALL DISPCL                                                    REA00670
      WRITE(6,205)                                                   REA00680
205   FORMAT(1X,'BEGINNING FILE READ NOW . . . HANG TIGHT')          REA00690
C                                                                    REA00700
C   READ MAJOR TITLE                                                 REA00710
C                                                                    REA00720
210   NCAT=0                                                         REA00730
300   READ(INFILE,1050,ERR=910,END=599) T1                           REA00740
      NCAT=NCAT+1                                                    REA00750
C                                                                    REA00760
C    READ ALL GRADES FROM FILE                                       REA00770
C                                                                    REA00780
      ICOUNT = 0                                                     REA00790
      DO 900 IGRADE=1,IEND                                           REA00800
      READ(INFILE,1050,ERR=910,END=920)T2                            REA00810
      READ(INFILE,3000) L1                                           REA00820
      DO 101 I=1,35                                                  REA00830
        READ(INFILE,1100) (FILE(I,J,IGRADE),J=1,10)                  REA00840
101   CONTINUE                                                       REA00850
      READ(INFILE,3000) L2                                           REA00860
      DO 102 I=1,35                                                  REA00870
        READ(INFILE,1200) (FILE(I,J,IGRADE),J=11,19)                 REA00880
102   CONTINUE                                                       REA00890
      IF(IANS.EQ.YES.AND.IGRADE.GE.ISTART) CALL VERIFY(IGRADE,IOUT)  REA00900
900   CONTINUE                                                       REA00910
C   FINISHED READING INPUT FOR A CATEGORY NOW STORE IN OUT ARRAYS    REA00920
```

```
C                                                                       REA00930
500   DO 510 IYR=1,35                                                  REA00940
      DO 520 IGR=1,10                                                  REA00950
      GAINS(IYR,NCAT,IGR,1)=FILE(IYR,3,IGR)                            REA00960
      GAINS(IYR,NCAT,IGR,2)=FILE(IYR,4,IGR)                            REA00970
      REMGRD(IYR,NCAT,IGR)=FILE(IYR,9,IGR)                             REA00980
      PROMOT(IYR,NCAT,IGR)=FILE(IYR,10,IGR)                            REA00990
      ATTRIT(IYR,IGR,1)=FILE(IYR,6,IGR)                                REA01000
      ATTRIT(IYR,IGR,2)=FILE(IYR,8,IGR)                                REA01010
      DO 530 J=1,9                                                     REA01020
      ATTRIT(IYR,IGR,J+2)=FILE(IYR,J+10,IGR)                           REA01030
530   CONTINUE                                                         REA01040
      IF(IGR.EQ.IEND) ATTRIT(IYR,IGR,12)=FILE(IYR,10,IGR)              REA01050
520   CONTINUE                                                         REA01060
510   CONTINUE                                                         REA01070
C                                                                      REA01080
C  NOW STORE INDIVIDUAL CAT ATTRIT DATA TO FILE                        REA01090
C                                                                      REA01100
      WRITE(48) ATTRIT                                                 REA01110
      GO TO 300                                                        REA01120
C                                                                      REA01130
C  NOW STORE DATA NEEDED FOR MODEL                                     REA01140
C                                                                      REA01150
599   WRITE(49) REMGRD                                                 REA01160
      WRITE(49) PROMOT                                                 REA01170
      WRITE(49) GAINS                                                  REA01180
C                                                                      REA01190
C  NOW STORE INFO FILE                                                 REA01200
C                                                                      REA01210
      CALL DISPCL                                                      REA01220
      WRITE(6,601)                                                     REA01230
601   FORMAT(1X,'PLEASE ENTER A TITLE FOR THIS DATA (65 CHAR MAX)')    REA01240
      READ(5,1050) T1                                                  REA01250
      WRITE(50) T1,NCAT,IEND,NAMFIL,NAMTYP                             REA01260
C                                                                      REA01270
      CALL DISPCL                                                      REA01280
      WRITE(6,600) IEND,NCAT,T1                                        REA01290
600   FORMAT(1X,I2,' GRADES AND ',I2,'CATEGORIES READ FROM ',/,1X,65A1) REA01300
C                                                                      REA01310
      STOP                                                             REA01320
1050  FORMAT(65A1)                                                     REA01330
1100  FORMAT(I2,4F7.0,F7.4,F7.0,3F7.4)                                 REA01340
1200  FORMAT(2X,9F7.4)                                                 REA01350
3000  FORMAT(65A1)                                                     REA01360
910   WRITE(6,911)                                                     REA01370
911   FORMAT(1X,'ERROR READING FILE')                                  REA01380
```

```
      STOP                                                              REA01390
920   WRITE(6,921)                                                      REA01400
921   FORMAT(1X,'END OF DATA ON FILE')                                  REA01410
      STOP                                                              REA01420
      END                                                               REA01430
C                                                                       REA01440
C********** DATA VERIFICATION ROUTINE ***************                  REA01450
C                                                                       REA01460
      SUBROUTINE VERIFY(IG,IO)                                          REA01470
C                                                                       REA01480
      COMMON FILE(35,19,10),T1(65),T2(65)                               REA01490
C                                                                       REA01500
      WRITE(IO,100) T1                                                  REA01510
      WRITE(IO,100) T2                                                  REA01520
100   FORMAT(1X,65A1)                                                   REA01530
C                                                                       REA01540
      DO 200 I=1,35                                                     REA01550
      SUM=0.0                                                           REA01560
      SUM=FILE(I,6,IG)                                                  REA01570
      DO 210 J=8,19                                                     REA01580
      SUM=SUM+FILE(I,J,IG)                                              REA01590
210   CONTINUE                                                          REA01600
C     IF(SUM.LE.0.00.AND.I.LE.10)WRITE(IO,230) I                        REA01610
      IF(SUM.GT.0.000001.AND.SUM.LT.0.999999)GO TO 211                  REA01620
      IF(SUM.GT.1.000001)GO TO 211                                      REA01630
      GO TO 200                                                         REA01640
211   WRITE(IO,220) I,SUM                                               REA01650
      IF(IO.EQ.2) WRITE(6,220) I,SUM                                    REA01660
220   FORMAT(1X,'***WARNING*** FOR YOS ',I2,' RATES SUM TO ',F8.5)      REA01670
230   FORMAT(1X,'***ERROR*** FOR YOS ',I2,' NO RATES GIVEN')            REA01680
200   CONTINUE                                                          REA01690
C                                                                       REA01700
      RETURN                                                            REA01710
      END                                                               REA01720
```

```
FILE: MODEL    EXEC     A                VM/SP CONVERSATIONAL MONITOR SYSTEM
PAGE 001


&CONTROL OFF
&ERROR &GOTO -ERR
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 10 DISK DCE00XX  DATA A4
FILEDEF 11 DISK DCE00XX  DATA A4
FILEDEF 46 DISK DCE00XX  SUBSTRUC A4
FILEDEF 49 DISK DCE00XX  GRATES A4
FILEDEF 50 DISK DCE00XX  INFO A4
MODEL
&EXIT
-ERR
 &TYPE ERROR IN RUNNING STATIC MODEL -- CONTACT MODEL MANAGER
 &EXIT
```

```
C                                                                       MOD00010
C*************************************************************************MOD00020
C*                                                                      *MOD00030
C*     THIS IS THE MAIN ROUTINE FOR THE STATIC MODEL                    *MOD00040
C*                                                                      *MOD00050
C*      THIS ROUTINE CALLS FOUR(4) OTHER SUBROUTINES                    *MOD00060
C*                                                                      *MOD00070
C*      THESE ARE :  BUILD                                              *MOD00080
C*                   BCOMP                                              *MOD00090
C*                   BOUT                                               *MOD00100
C*                   ZD3                                                *MOD00110
C*                                                                      *MOD00120
C*************************************************************************MOD00130
C                                                                       MOD00140
      COMMON DESSTR,MAXYRS,NSOURC,NCAT                                  MOD00150
      COMMON PARSRC,PARCAT,PRMPAR,SRCRET,RESRAT,TRNG,GRADE              MOD00160
      COMMON NAMSRC,NAMCAT                                              MOD00170
      COMMON NWPROC,NEWTNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV      MOD00180
      COMMON NCONTR,CONTR,CNTRCT                                        MOD00190
      COMMON/P/PRMOPP,GAINS                                             MOD00200
      COMMON/G/NGRD                                                     MOD00210
      COMMON/INFO/TITLE,NAMFIL,NAMTYP                                   MOD00220
      COMMON/PRINT/IOUT                                                 MOD00230
      INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR                          MOD00240
      INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)                     MOD00250
      REAL SRCRET(10,3),RESRAT(35,15,10),TRNG(10,15),                   MOD00260
     *GRADE(36,10,2)                                                    MOD00270
      INTEGER NAMSRC(10,2),NAMCAT(15,2)                                 MOD00280
      REAL NWPROC(10),NEWTNG(10,15),MST(10,15),P(10,15),T(10,15)        MOD00290
      REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)               MOD00300
      REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)    MOD00310
      INTEGER TITLE(65),NAMFIL(2),NAMTYP(2)                             MOD00320
      INTEGER E1,E2,I,II,J,ST,SECT,SUBSCT,YRGP,LIM                      MOD00330
      INTEGER SELECT,SWITCH                                             MOD00340
      INTEGER ANSWER,BLANK,YES,NO,NONE                                  MOD00350
      REAL PRMOPP(35,15,10),GAINS(35,15,10,2),RLOSS(10,35)              MOD00360
      REAL RATE,CNSTNT,IP                                               MOD00370
       DATA BLANK/'    '/,YES/'YES'/,NO/'NO'/                           MOD00380
      DATA NONE/'NONE'/                                                 MOD00390
      IFILE1=10                                                         MOD00400
      IFILE2=11                                                         MOD00410
      NGRD1=NGRD-1                                                      MOD00420
C                                                                       MOD00430
C************** SETUP DEFAULT NAMES *******                            MOD00440
C                                                                       MOD00450
      DO 10 I=1,10                                                      MOD00460
```

```
      DO 10 J=1,2                                                       MOD00470
      NAMSRC(I,J)=NONE                                                  MOD00480
10    CONTINUE                                                          MOD00490
      DO 20 I=1,15                                                      MOD00500
      DO 20 J=1,2                                                       MOD00510
      NAMCAT(I,J)=NONE                                                  MOD00520
20    CONTINUE                                                          MOD00530
C                                                                       MOD00540
C*******ASK IF WE WANT TO USE A PREVIOUSLY CREATED FILE*********        MOD00550
C*******IF NOT WE WILL BUILD A NEW FILE*********************************MOD00560
C                                                                       MOD00570
C*******NOTE: A PREVIOUS FILE IS ASSUMED TO HAVE ALREADY HAD            MOD00580
C*******       A FILEDEF ON IT. EX. FILEDEF 10 DISK FN FT FM (LRECL 80   MOD00590
      CALL DISPCL                                                       MOD00600
      WRITE(6,1013)                                                     MOD00610
1013  FORMAT(20X,'**************************************************',/,  MOD00620
     1       20X,'*          WELCOME TO THE QRMC                   *',/,  MOD00630
     2       20X,'*              STATIC MODEL       VER83.115 *',/,     MOD00640
     3       20X,'**************************************************',//) MOD00650
C                                                                       MOD00660
C                                                                       MOD00670
      WRITE(6,9001)                                                     MOD00680
      READ (5,9000)ANSWER                                               MOD00690
      IF (ANSWER.EQ.YES) GO TO 30                                       MOD00700
C                                                                       MOD00710
C******************** CALL THE BUILD FILE ROUTINE **********************MOD00720
C                                                                       MOD00730
      CALL BUILD                                                        MOD00740
      GO TO 50                                                          MOD00750
C                                                                       MOD00760
C************ NOW READ IN A PREVIOUSLY CREATED DATA FILE ***********    MOD00770
C                                                                       MOD00780
30    READ(IFILE1) NSOURC,NCAT,DESSTR,NGRD,NCONTR                       MOD00790
      READ(IFILE1) NAMSRC                                               MOD00800
      READ(IFILE1) PARSRC                                               MOD00810
      READ(IFILE1) NAMCAT                                               MOD00820
      READ(IFILE1) PARCAT                                               MOD00830
      READ(IFILE1) TRNG                                                 MOD00840
      READ(IFILE1) CONTR                                                MOD00850
C                                                                       MOD00860
50    READ(49) RESRAT                                                   MOD00870
      READ(49) PRMOPP                                                   MOD00880
      READ(49) GAINS                                                    MOD00890
      REWIND 49                                                         MOD00900
      READ(50) TITLE,INC,ING,NAMFIL,NAMTYP                              MOD00910
      REWIND 50                                                         MOD00920
```

```
C                                                                       MOD00930
C     CHECK FOR CONSISTENCY                                             MOD00940
C                                                                       MOD00950
      IF(INC.EQ.NCAT.AND.ING.EQ.NGRD)GO TO 66                           MOD00960
C******WE HAVE A SMALL PROBLEM*********                                MOD00970
      CALL DISPCL                                                       MOD00980
      WRITE(6,65) INC,ING,NCAT,NGRD                                     MOD00990
65    FORMAT(1X,'********* W A R N I N G **************',//,            MOD01000
     1       1X,'YOUR INPUT DATA FILE CONTAINS',/,                      MOD01010
     2       1X,I3,' CATEGORIES AND ',I3,' GRADES',//,                  MOD01020
     3       1X,'YOUR MODEL RUN PARAMETERS ARE SET FOR',/,              MOD01030
     4       1X,I3,' CATEGORIES AND ',I3,' GRADES',//,                  MOD01040
     5  1X,'DO YOU WISH TO OVERIDE?? (USE MODEL PARAMETERS',/,          MOD01050
     6       1X,'YES OR NO ???')                                        MOD01060
      READ(5,9000) ANSWER                                               MOD01070
      IF(ANSWER.EQ.YES) GO TO 66                                        MOD01080
C                                                                       MOD01090
C****** ASK IF WE WANT TO SEE ANY OF OUR DATA ***********               MOD01100
66    CALL DISPCL                                                       MOD01110
      WRITE(6,9028)                                                     MOD01120
      READ(5,9000) ANSWER                                               MOD01130
      IF(ANSWER.EQ.NO)GO TO 55                                          MOD01140
C                                                                       MOD01150
      CALL BCOMP                                                        MOD01160
      CALL BOUT                                                         MOD01170
C                                                                       MOD01180
C****** ASK IF WE WANT TO CHANGE THIS FILE ******                      MOD01190
55    CALL DISPCL                                                       MOD01200
      WRITE(6,9005)                                                     MOD01210
      READ (5,9000) ANSWER                                              MOD01220
      IF (ANSWER.EQ.NO) GO TO 60                                        MOD01230
C                                                                       MOD01240
C****** CALL THE BUILD/ALTER FILE ROUTINE ******                       MOD01250
C                                                                       MOD01260
      CALL BUILD                                                        MOD01270
      GO TO 50                                                          MOD01280
C                                                                       MOD01290
C****** CHECK IF WE WANT TO SAVE THE FILE ******                       MOD01300
60    CALL DISPCL                                                       MOD01310
      WRITE(6,9006)                                                     MOD01320
      READ (5,9000)ANSWER                                               MOD01330
      IF (ANSWER.EQ.NO) GO TO 70                                        MOD01340
C                                                                       MOD01350
C ********** WRITE OUT PARAMETER DATA FILE ***************             MOD01360
C                                                                       MOD01370
      WRITE(IFILE2) NSOURC,NCAT,DESSTR,NGRD,NCONTR                      MOD01380
```

```
      WRITE(IFILE2) NAMSRC                                              MOD01390
      WRITE(IFILE2) PARSRC                                              MOD01400
      WRITE(IFILE2) NAMCAT                                              MOD01410
      WRITE(IFILE2) PARCAT                                              MOD01420
      WRITE(IFILE2) TRNG                                                MOD01430
      WRITE(IFILE2) CONTR                                               MOD01440
C                                                                       MOD01450
C                                                                       MOD01460
C                                                                       MOD01470
C*****ASK IF WE WANT TO MAKE A MODEL RUN********                        MOD01480
70    CALL DISPCL                                                       MOD01490
      WRITE(6,9008)                                                     MOD01500
      READ (5,9000) ANSWER                                              MOD01510
      IF (ANSWER.EQ.NO) GO TO 9999                                      MOD01520
C                                                                       MOD01530
C********CALL BASIC SETUP ROUTINE FOR CONTRACTEE ARRAYS*******          MOD01540
C                                                                       MOD01550
      CALL BCOMP                                                        MOD01560
C                                                                       MOD01570
      CALL DISPCL                                                       MOD01580
      WRITE(6,99)                                                       MOD01590
99    FORMAT(1H ,'//OK INITIAL SET-UP COMPLETE---STARTING',             MOD01600
     *' MODEL RUN NOW')                                                 MOD01610
C                                                                       MOD01620
C************ CALL MODEL SUBROUTINE************                        MOD01630
C                                                                       MOD01640
      CALL ZD3                                                          MOD01650
C                                                                       MOD01660
C ***** LOGICAL END OF PROGRAM ********                                 MOD01670
C                                                                       MOD01680
9999  STOP                                                              MOD01690
C                                                                       MOD01700
C ************** NEW FORMAT STATEMENTS FOR CONVERSION ***************   MOD01710
C                                                                       MOD01720
9000  FORMAT(2A4)                                                       MOD01730
9001  FORMAT(1X,'DO YOU WANT TO USE A PARAMETER FILE IN THE LIBRARY?')  MOD01740
9002  FORMAT(1X,'WHAT IS THE FILE NAME?')                               MOD01750
9003  FORMAT(1X,'INVALID FILENAME. RESPECIFY')                          MOD01760
9004  FORMAT(1X,'SORRY, INVALID FILENAME. TRY AGAIN')                   MOD01770
9005  FORMAT(1X,'DO YOU WANT TO CHANGE ANY PARAMETERS?')                MOD01780
9006  FORMAT(1X,'DO YOU WANT TO STORE THE CURRENT PARAMETER FILE?')     MOD01790
9007  FORMAT(1X,'PLEASE ENTER A NEW FILENAME')                          MOD01800
9008  FORMAT(1X,'DO YOU WANT TO MAKE A MODEL RUN USING THIS FILE?')     MOD01810
9028  FORMAT(1X,'DO YOU WANT TO SEE ANY OF THE DATA???')                MOD01820
C                                                                       MOD01830
C********* END OF MAIN ROUTINE *********                               MOD01840
```

```
C                                                                       MOD01850
      END                                                               MOD01860
C                                                                       MOD01870
      SUBROUTINE BUILD                                                  MOD01880
C                                                                       MOD01890
C********** SUBROUTINE BUILD-USED TO CREATE INPUT DATA FILES**********  MOD01900
C                                                                       MOD01910
      COMMON DESSTR,MAXYRS,NSOURC,NCAT                                  MOD01920
      COMMON PARSRC,PARCAT,PRMPAR,SRCRET,RESRAT,TRNG,GRADE              MOD01930
      COMMON NAMSRC,NAMCAT                                              MOD01940
      COMMON NWPROC,NEWTNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV      MOD01950
      COMMON NCONTR,CONTR,CNTRCT                                        MOD01960
      COMMON/P/PRMOPP,GAINS                                             MOD01970
      COMMON/G/NGRD                                                     MOD01980
      COMMON/INFO/TITLE,NAMFIL,NAMTYP                                   MOD01990
      COMMON/PRINT/IOUT                                                 MOD02000
      INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR                          MOD02010
      INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)                     MOD02020
      REAL SRCRET(10,3),RESRAT(35,15,10),TRNG(10,15),                   MOD02030
     *GRADE(36,10,2)                                                    MOD02040
      INTEGER NAMSRC(10,2),NAMCAT(15,2)                                 MOD02050
      REAL NWPROC(10),NEWTNG(10,15),MST(10,15),P(10,15),T(10,15)        MOD02060
      REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)               MOD02070
      REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)    MOD02080
C                                                                       MOD02090
      INTEGER E1,E2,I,II,J,ST,SECT,SUBSCT,YRGP,LIM                      MOD02100
      INTEGER SELECT,SWITCH                                             MOD02110
      INTEGER ANSWER,BLANK,YES,NO                                       MOD02120
      REAL PRMOPT(35,15,10),GAINS(35,15,10,2)                           MOD02130
      REAL RATE,CNSTNT,IP                                               MOD02140
       DATA BLANK/'     '/,YES/'YES'/,NO/'NO'/                          MOD02150
      NGRD1=NGRD-1                                                      MOD02160
C                                                                       MOD02170
C THIS IS THE PARAMETER FILE BUILD/ALTER ROUTINE'                       MOD02180
C                                                                       MOD02190
10    WRITE(6,9009)                                                     MOD02200
50    CALL DISPCL                                                       MOD02210
      WRITE(6,9010)                                                     MOD02220
      WRITE(6,9011)                                                     MOD02230
      WRITE(6,9012)                                                     MOD02240
      READ (5,*)SECT                                                    MOD02250
      IF(SECT.LE.0) GO TO 9999                                          MOD02260
      IF (SECT.GT.5) GO TO 10                                           MOD02270
      GO TO (200,300,400,500,800),SECT                                  MOD02280
C                                                                       MOD02290
200   CALL DISPCL                                                       MOD02300
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      WRITE(6,9013)                                                     MOD02310
      READ (5,*) DESSTR,NGRD                                            MOD02320
      GO TO 50                                                          MOD02330
C                                                                       MOD02340
300   CALL DISPCL                                                       MOD02350
      WRITE(6,9014)                                                     MOD02360
      READ (5,*) SUBSCT                                                 MOD02370
      IF(SUBSCT.LE.0)GO TO 310                                          MOD02380
      IF(SUBSCR.GT.4)GO TO 300                                          MOD02390
      GO TO (320,330,340),SUBSCT                                        MOD02400
310   GO TO 50                                                          MOD02410
320   WRITE(6,9016)                                                     MOD02420
      READ (5,*)NSOURC                                                  MOD02430
      GO TO 300                                                         MOD02440
330   DO 331 I=1,NSOURC                                                 MOD02450
      WRITE(6,332) I                                                    MOD02460
332   FORMAT(1H ,'FOR SOURCE ',I3,',GIVE 4-LTR ABBR')                   MOD02470
331   READ (5,9000)NAMSRC(I,1)                                          MOD02480
      GO TO 300                                                         MOD02490
340   DO 341 I=1,NSOURC                                                 MOD02500
      WRITE(6,342) I                                                    MOD02510
342   FORMAT(1H ,'FOR SOURCE ',I3,',GIVE YEARLY PROCUREMENT')           MOD02520
341   READ (5,*) PARSRC(I,1)                                            MOD02530
      GO TO 300                                                         MOD02540
C                                                                       MOD02550
400   CALL DISPCL                                                       MOD02560
      WRITE(6,9017)                                                     MOD02570
      READ (5,*)SUBSCT                                                  MOD02580
      IF (SUBSCT.LE.0) GO TO 410                                        MOD02590
      IF(SUBSCT.GT.3)GO TO 400                                          MOD02600
      GO TO (420,430,440), SUBSCT                                       MOD02610
410   GO TO 50                                                          MOD02620
420   WRITE(6,9018)                                                     MOD02630
      READ (5,*)NCAT                                                    MOD02640
      GO TO 400                                                         MOD02650
430   DO 431 I=1,NCAT                                                   MOD02660
      WRITE(6,432) I                                                    MOD02670
432   FORMAT(1H ,'FOR CATEGORY ',I3,',GIVE 4-LTR ABBR')                 MOD02680
431   READ (5,9000)NAMCAT(I,1)                                          MOD02690
      GO TO 400                                                         MOD02700
440   DO 441 I=1,NCAT                                                   MOD02710
      WRITE(6,442) I                                                    MOD02720
442   FORMAT(1H ,'FOR CATEGORY ',I3,',GIVE TOTAL REQ D')                MOD02730
      READ(5,*) PARCAT(I,1)                                             MOD02740
441   CONTINUE                                                          MOD02750
      GO TO 400                                                         MOD02760
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C                                                                       MOD02770
500   CALL DISPCL                                                       MOD02780
      DO 501 I=1,NSOURC                                                 MOD02790
      WRITE(6,502) I                                                    MOD02800
502   FORMAT(1H ,'FOR SOURCE  ',I3,',GIVE TRAINING FLOW RATES FROM',    MOD02810
     *' SOURCE TO CATEGORY'/1H ,'(REMEMBER THEY MUST SUM TO 1.00)'/)    MOD02820
501   READ (5,*)(TRNG(I,J),J=1,NCAT)                                    MOD02830
      GO TO 50                                                          MOD02840
C                                                                       MOD02850
800   CALL DISPCL                                                       MOD02860
      WRITE(6,9024)                                                     MOD02870
      READ (5,*)NCONTR                                                  MOD02880
810   CALL DISPCL                                                       MOD02890
      WRITE(6,9025)                                                     MOD02900
      READ (5,*)I                                                       MOD02910
      IF (I.EQ.0) GO TO 50                                              MOD02920
      IF (I.LT.1.OR.I.GT.10) GO TO 810                                  MOD02930
      WRITE(6,820) I                                                    MOD02940
820   FORMAT(1H ,'GIVE PARAMETERS FOR CNTRCT #',I2,/                    MOD02950
     *1H ,'START YEAR,TOTAL CNTRCTEES,LENGTH(YRS),COST/YR,'/            MOD02960
     *1H ,'MANAGEMENT CATEGORY,LOSS RATE/YR,BONUS PAYMENT PLAN'/        MOD02970
     *1H ,'(1-EVERYONE IN YRGPS &CATEGORY:2-JUST CNTRCTEES)'/)          MOD02980
      READ (5,*)(CONTR(I,J),J=1,7)                                      MOD02990
      GO TO 810                                                         MOD03000
C                                                                       MOD03010
C********** RETURN FROM WHENCE WE CAME **********                      MOD03020
C                                                                       MOD03030
9999    RETURN                                                          MOD03040
C                                                                       MOD03050
C ************** NEW FORMAT STATEMENTS FOR CONVERSION ***************  MOD03060
C                                                                       MOD03070
9000  FORMAT(2A4)                                                       MOD03080
9009  FORMAT(1X,'NOW GOING TO BUILD/ALTER PARAMETER FILE')              MOD03090
9010  FORMAT(1X,'ENTER THE NUMBER OF THE SECTION YOU WANTTO',/,         MOD03100
     *1X,'BUILD/ALTER ACCORDING TO THE FOLLOWING TABLE')                MOD03110
9011  FORMAT(1X,'0--FINISHED, READY TO GO ON',/,                        MOD03120
     *1X,'1--TOTAL DESIGN STRENGTH',/,1X,'2--PROCUREMENT DATA',/,1X,    MOD03130
     *'3--MANAGEMENT CATEGORY DATA',/,1X,                               MOD03140
     *'4--TRAINING FLOW DATA',/,1X,                                     MOD03150
     *'5--CONTRACT DATA')                                               MOD03160
9012  FORMAT(1X,'SECTION TO BUILD/ALTER?')                              MOD03170
9013  FORMAT(1X,'ENTER DESIGN STR,NBR OF GRADES')                       MOD03180
9014  FORMAT(1X,'ENTER PROCUREMENT SUBSECTION TO BUILD/ALTER',/,1X,     MOD03190
     *'0--FINISHED, READY TO GO ON',/,1X,                               MOD03200
     *'1--NUMBER OF SOURCES',/,1X,'2--SOURCE NAME TABLE',/,1X,          MOD03210
     *'3--SOURCE PARAMETER TABLE')                                      MOD03220
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9015  FORMAT(1X,'ENTER PROCUREMENT SUBSECTION DESIRED')                    MOD03230
9016  FORMAT(1X,'NUMBER OF SOURCES?')                                      MOD03240
9017  FORMAT(1X,'ENTER MANAGEMENT CATEGORY SUBSECTION',/,1X,               MOD03250
     *'0--FINISHED, READY TO GO ON',/,1X,                                 MOD03260
     *'1--NUMBER OF CATEGORIES',/,1X,                                     MOD03270
     *'2--CATEGORY NAME TABLE',/,1X,                                      MOD03280
     *'3--CATEGORY PARAMETER TABLE')                                      MOD03290
9031  FORMAT(1X,'MANAGEMENT CATEGORY SUBSECTION TO BUILD/ALTER?')          MOD03300
9018  FORMAT(1X,'NUMBER OF CATEGORIES?')                                   MOD03310
9022  FORMAT(1X,'ENTER PROMOTION SUBSECTION DESIRED',/,1X,                 MOD03320
     *'1--FINISHED, READY TO GO ON',/,1X,                                 MOD03330
     *'2--PROMOTION PARAMETER TABLE',/,1X,                                MOD03340
     *'3--PROMOTION OPPORTUNITY TABLE',/,1X,                              MOD03350
     *'4--NON-PROMOTEE ADDITIVE LOSS RATES')                              MOD03360
9023  FORMAT(1X,'PROMOTION SUBSECTION TO BUILD/ALTER??')                   MOD03370
9024  FORMAT(1X,'HOW MANY CONTRACTS??')                                    MOD03380
9025  FORMAT(1X,'WHICH CONTRACT? (ENTER 0 WHEN FINISHED)')                 MOD03390
9026  FORMAT(1X,'DO YOU WANT TO ENTER ALL LOSS RATES?? (YES OR NO)')       MOD03400
9027  FORMAT(1X,'WHAT YEAR?? (ENTER 0 WHEN FINISHED)')                     MOD03410
C                                                                          MOD03420
C********** END OF PROGRAM **********                                      MOD03430
C                                                                          MOD03440
      END                                                                  MOD03450
      SUBROUTINE BCOMP                                                     MOD03460
C                                                                          MOD03470
C*****SUBROUTINE BCOMP-USED TO COMPUTE COMPONENT AND GRADE ARRAYS******    MOD03480
C                                                                          MOD03490
      COMMON DESSTR,MAXYRS,NSOURC,NCAT                                     MOD03500
      COMMON PARSRC,PARCAT,PRMPAR,SRCRET,RESRAT,TRNG,GRADE                 MOD03510
      COMMON NAMSRC,NAMCAT                                                 MOD03520
      COMMON NWPROC,NEWTNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV         MOD03530
      COMMON NCONTR,CONTR,CNTRCT                                           MOD03540
      COMMON/P/PRMOPP,GAINS                                                MOD03550
      COMMON/G/NGRD                                                        MOD03560
      COMMON/INFO/TITLE,NAMFIL,NAMTYP                                      MOD03570
      COMMON/PRINT/IOUT                                                    MOD03580
      INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR                             MOD03590
      INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)                        MOD03600
      REAL SRCRET(10,3),RESRAT(35,15,10),TRNG(10,15),                      MOD03610
     *GRADE(36,10,2)                                                      MOD03620
      INTEGER NAMSRC(10,2),NAMCAT(15,2)                                    MOD03630
      REAL NWPROC(10),NEWTNG(10,15),MST(10,15),P(10,15),T(10,15)           MOD03640
      REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)                  MOD03650
      REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)       MOD03660
C                                                                          MOD03670
      INTEGER E1,E2,I,II,J,ST,SECT,SUBSCT,YRGP,LIM                         MOD03680
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      INTEGER SELECT,SWITCH                                              MOD03690
      INTEGER ANSWER,BLANK,YES,NO                                        MOD03700
      REAL PRMOPP(35,15,10),GAINS(35,15,10,2)                            MOD03710
      REAL RATE,CNSTNT,IP                                                MOD03720
       DATA BLANK/'     '/,YES/'YES'/,NO/'NO'/                           MOD03730
      NGRD1=NGRD-1                                                       MOD03740
C                                                                        MOD03750
C                                                                        MOD03760
C  COMPUTE COMPONENT AND GRADE ARRAYS                                    MOD03770
C                                                                        MOD03780
C   SECTION REMOVED SINCE ITS IS NOT NEEDED WITH QRMC DATA               MOD03790
C                                                                        MOD03800
C                                                                        MOD03810
      IF (NCONTR.LE.0)GO TO 9999                                         MOD03820
      DO 805 I=1,NCONTR                                                  MOD03830
      RATE=CONTR(I,6)                                                    MOD03840
      CNSTNT=1.0-RATE                                                    MOD03850
      LIM=CONTR(I,3)                                                     MOD03860
      IF (RATE.EQ.0.0) GO TO 802                                         MOD03870
      CONTR(I,8)=(1.0-CNSTNT**LIM)/RATE                                  MOD03880
      GO TO 803                                                          MOD03890
802   CONTR(I,8)=LIM                                                     MOD03900
803   CONTINUE                                                           MOD03910
      IF (CONTR(I,8).EQ.0.0)  GOTO 805                                   MOD03920
      IP=CONTR(I,2)/CONTR(I,8)                                           MOD03930
        DO 801 J=1,LIM                                                   MOD03940
        E1=CONTR(I,1)                                                    MOD03950
        IF (E1.EQ.0)  GOTO 805                                           MOD03960
        IF (J.EQ.1) GO TO 804                                            MOD03970
        CNTRCT(I,E1-1+J)=IP*CNSTNT**(J-1)                                MOD03980
        GO TO 801                                                        MOD03990
804     CNTRCT(I,E1)=IP                                                  MOD04000
801     CONTINUE                                                         MOD04010
805   CONTINUE                                                           MOD04020
C                                                                        MOD04030
C********** RETURN FROM WHENCE WE CAME **********                       MOD04040
C                                                                        MOD04050
9999  RETURN                                                             MOD04060
C                                                                        MOD04070
      END                                                                MOD04080
      SUBROUTINE BOUT                                                    MOD04090
C                                                                        MOD04100
C********** SUBROUTINE BOUT-USED TO REPORT DATA FILE CONTENTS********    MOD04110
C                                                                        MOD04120
      COMMON DESSTR,MAXYRS,NSOURC,NCAT                                   MOD04130
      COMMON PARSRC,PARCAT,PRMPAR,SRCRET,RESRAT,TRNG,GRADE               MOD04140
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      COMMON NAMSRC,NAMCAT                                                    MOD04150
      COMMON NWPROC,NEWTNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV            MOD04160
      COMMON NCONTR,CONTR,CNTRCT                                              MOD04170
      COMMON/P/PRMOPP,GAINS                                                   MOD04180
      COMMON/G/NGRD                                                           MOD04190
      COMMON/INFO/TITLE,NAMFIL,NAMTYP                                         MOD04200
      COMMON/PRINT/IOUT                                                       MOD04210
      INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR                                MOD04220
      INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)                           MOD04230
      REAL SRCRET(10,3),RESRAT(35,15,10),TRNG(10,15),                         MOD04240
     *GRADE(36,10,2)                                                          MOD04250
      INTEGER NAMSRC(10,2),NAMCAT(15,2)                                       MOD04260
      REAL NWPROC(10),NEWTNG(10,15),MST(10,15),P(10,15),T(10,15)              MOD04270
      REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)                     MOD04280
      REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)          MOD04290
C                                                                             MOD04300
      INTEGER E1,E2,I,II,J,ST,SECT,SUBSCT,YRGP,LIM                            MOD04310
      INTEGER SELECT,SWITCH                                                   MOD04320
      INTEGER ANSWER,BLANK,YES,NO                                             MOD04330
      REAL PRMOPP(35,15,10),GAINS(35,15,10,2)                                 MOD04340
      REAL RATE,CNSTNT,IP                                                     MOD04350
       DATA BLANK/'    '/,YES/'YES'/,NO/'NO'/                                 MOD04360
      NGRD1=NGRD-1                                                            MOD04370
C                                                                             MOD04380
C                                                                             MOD04390
C****************** OUTPUT ROUTINE ************                              MOD04400
C                                                                             MOD04410
99    CALL DISPCL                                                             MOD04420
      WRITE(6,100)                                                            MOD04430
100   FORMAT(1X,'OUTPUT TO PRINTER(1) OR TERMINAL(0)')                        MOD04440
      READ(5,*) IOUT                                                          MOD04450
      IF(IOUT.LT.0.OR.IOUT.GT.1)GO TO 99                                      MOD04460
      IOUT=6-(4*IOUT)                                                         MOD04470
C                                                                             MOD04480
      CALL DISPCL                                                             MOD04490
      WRITE(6,9029)                                                           MOD04500
      READ (5,9000)ANSWER                                                     MOD04510
      IF (ANSWER.EQ.NO) GO TO 1020                                            MOD04520
      SELECT=0                                                                MOD04530
1021  SELECT=SELECT+1                                                         MOD04540
      IF (SELECT.GT.7) GO TO 9999                                             MOD04550
      ASSIGN 1021 TO SWITCH                                                   MOD04560
1022  GO TO (1001,1002,1003,1004,1008,1007,1009),SELECT                       MOD04570
1020  CALL DISPCL                                                             MOD04580
      WRITE(6,9030)                                                           MOD04590
      READ (5,*)SELECT                                                        MOD04600
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      IF (SELECT.EQ.0) GO TO 9999                                       MOD04610
      IF (SELECT.GT.7) GO TO 1020                                       MOD04620
      ASSIGN 1020 TO SWITCH                                             MOD04630
      GO TO 1022                                                        MOD04640
C                                                                       MOD04650
C TITLE                                                                 MOD04660
C SECTION 1'                                                            MOD04670
1001  WRITE(IOUT,901) DESSTR,NGRD                                       MOD04680
901   FORMAT('1**SECTION 1  TOTAL SYSTEM DATA  ',48('*')//              MOD04690
     *'     TOTAL DESIGN STRENGTH=',4X,I6/                             MOD04700
     *'     NUMBER OF GRADES     =',8X,I2/)                            MOD04710
      IF(IOUT.EQ.6) PAUSE 'HIT S/R KEY TO CONTINUE'                     MOD04720
      GO TO SWITCH , (1020,1021)                                        MOD04730
C                                                                       MOD04740
C SECTION 2'                                                            MOD04750
1002  WRITE(IOUT,902) NSOURC                                            MOD04760
902   FORMAT(' **SECTION 2  PROCUREMENT DATA  ',49('*')//               MOD04770
     *'     NUMBER OF SOURCES =',12X,I1//)                             MOD04780
      WRITE(IOUT,903) (IG,IG=1,10),(NAMSRC(I,1),I=1,10),                MOD04790
     *(PARSRC(I,1),I=1,10)                                              MOD04800
903   FORMAT('     SOURCE #',22X,10(I2,6X),/,                           MOD04810
     *'     NAME(4-LTR)',12X,10(4X,A4)/                                MOD04820
     *'     YEARLY PROCUREMENT',5X,10I8/)                              MOD04830
      IF(IOUT.EQ.6)  PAUSE 'HIT S/R KEY TO CONTINUE'                    MOD04840
      GO TO SWITCH , (1020,1021)                                        MOD04850
C                                                                       MOD04860
C SECTION 3'                                                            MOD04870
1003  WRITE(IOUT,904) NCAT                                              MOD04880
904   FORMAT(' **SECTION 3  MANAGEMENT CATEGORY DATA  ',41('*')//       MOD04890
     *'     NUMBER OF CATEGORIES=',I7//)                               MOD04900
      WRITE(IOUT,905) (IG,IG=1,15),(NAMCAT(I,1),I=1,15),                MOD04910
     *(PARCAT(I,1),I=1,15)                                              MOD04920
905   FORMAT(' CATEGORY #',8X,14(I2,5X),I2,/,                           MOD04930
     *' NAME(4-LTR)',2X,15(3X,A4),/,                                    MOD04940
     *' TOTAL REQ',3X,15I7,/)                                           MOD04950
      IF(IOUT.EQ.6)PAUSE 'HIT S/R TO CONTINUE'                          MOD04960
      GO TO SWITCH , (1020,1021)                                        MOD04970
C                                                                       MOD04980
C SECTION 4'                                                            MOD04990
1004  WRITE(IOUT,906)                                                   MOD05000
906   FORMAT('0**SECTION 4  TRAINING FLOW DATA  ',46('*')//)            MOD05010
      WRITE(IOUT,907) (IG,IG=1,15),(NAMCAT(I,1),I=1,15)                 MOD05020
907   FORMAT('     ***********'/                                        MOD05030
     *'     FROM    *  TO',10X,14(I2,4X),I2,/,                         MOD05040
     *'     SOURCE   * CATEGORY',15(2X,A4)/                            MOD05050
     *'               **************')                                  MOD05060
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      DO 908 I=1,NSOURC                                                  MOD05070
      WRITE(IOUT,909) I,NAMSRC(I,1),(TRNG(I,J),J=1,15)                   MOD05080
909   FORMAT(6X,I1,'-',A4,13X,15F6.3)                                    MOD05090
908   CONTINUE                                                           MOD05100
      IF(IOUT.EQ.6) PAUSE 'HIT S/R KEY TO CONTINUE'                      MOD05110
      GO TO SWITCH , (1020,1021)                                         MOD05120
C                                                                        MOD05130
C                                                                        MOD05140
C SECTION 6'              (REMOVED)                                      MOD05150
C                                                                        MOD05160
C                                                                        MOD05170
C SECTION 7'                                                             MOD05180
1007  DO 800 NC=1,NCAT                                                   MOD05190
      WRITE(IOUT,912)                                                    MOD05200
912   FORMAT('1**SECTION 6 PROMOTION OPPORTUNITIES FOR CAT= ',A4,//,     MOD05210
     *' YR G-1    G-2    G-3    G-4    G-5    G-6    G-7    ',          MOD05220
     *' G-8   G-9    G-10   '/)                                          MOD05230
      DO 913 I=1,36                                                      MOD05240
      WRITE(IOUT,914) I,(PRMOPP(I,NC,J),J=1,NGRD)                        MOD05250
914   FORMAT(1H ,I2,9F7.4)                                               MOD05260
913   CONTINUE                                                           MOD05270
800   CONTINUE                                                           MOD05280
      IF(IOUT.EQ.6) PAUSE 'HIT S/R KEY TO CONTINUE'                      MOD05290
      GO TO SWITCH , (1020,1021)                                         MOD05300
C                                                                        MOD05310
C SECTION 8'                                                             MOD05320
1008  WRITE(IOUT,918) NCONTR                                             MOD05330
      IF(NCONTR.EQ.0)GO TO 9161                                          MOD05340
      WRITE(IOUT,917) ((CONTR(I,J),I=1,10),J=1,8)                        MOD05350
      DO 915 K=1,30                                                      MOD05360
915   WRITE(IOUT,916) K,(CNTRCT(I,K),I=1,10)                             MOD05370
918   FORMAT('0**SECTION 5 CNTRCT DATA  ',52('*')//                      MOD05380
     *'     NUMBER OF CNTRCTS=',I5//)                                   MOD05390
917   FORMAT(' CNTRCT #',4X,'1',6X,'2',6X,'3',6X,'4',6X,'5',             MOD05400
     *6X,'6',6X,'7',6X,'8',6X,'9',5X,'10'/                              MOD05410
     *' START ',10F7.0/                                                  MOD05420
     *' TOTAL ' ,10F7.0/                                                 MOD05430
     *' LENGTH',10F7.0/                                                  MOD05440
     *' COST  ',10F7.0/                                                  MOD05450
     *' CATGRY',10F7.0/                                                  MOD05460
     *' L.RATE   ',10F7.3/                                               MOD05470
     *' P.PLAN',10F7.0/                                                  MOD05480
     *' EXLIFE   ',10F7.3//)                                             MOD05490
916   FORMAT(1H ,I7,10F7.0)                                              MOD05500
      IF(IOUT.EQ.6) PAUSE 'HIT S/R KEY TO CONTINUE'                      MOD05510
9161  GO TO SWITCH , (1020,1021)                                         MOD05520
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C                                                                       MOD05530
C  SECTION 9'                                                           MOD05540
1009  DO 919 I=1,NCAT                                                   MOD05550
      WRITE(IOUT,920) NAMCAT(I,1)                                       MOD05560
920   FORMAT(/,' **SECTION 9   RESIDUAL LOSS RATES  ',20('*'),          MOD05570
     *'  CATEGORY = ',A4,/)                                            MOD05580
      WRITE(IOUT,921) (IG,IG=1,NGRD)                                    MOD05590
921   FORMAT(1X,'YR',3X,10I7)                                           MOD05600
      DO 922 J=1,35                                                     MOD05610
      WRITE(IOUT,923) J,(RESRAT(J,I,IG),IG=1,NGRD)                      MOD05620
923   FORMAT(1X,I2,3X,10F7.4)                                           MOD05630
922   CONTINUE                                                          MOD05640
919   CONTINUE                                                          MOD05650
      IF(IOUT.EQ.6) PAUSE 'HIT S/R KEY TO CONTINUE'                     MOD05660
      GO TO SWITCH , (1020,1021)                                        MOD05670
C                                                                       MOD05680
C********** RETURN FROM WHENCE WE CAME **********                      MOD05690
C                                                                       MOD05700
9999  RETURN                                                            MOD05710
C                                                                       MOD05720
C********** FORMAT STATEMENTS **********                               MOD05730
C                                                                       MOD05740
9000  FORMAT(2A4)                                                       MOD05750
9029  FORMAT(1X,'DO YOU WANT TO SEE ALL OF THE DATA??')                 MOD05760
9030  FORMAT(1X,'WHICH SECTION?? (ENTER 0 IF FINISHED)')                MOD05770
C                                                                       MOD05780
      END                                                               MOD05790
      SUBROUTINE ZD3                                                    MOD05800
      COMMON DESSTR,MAXYRS,NSOURC,NCAT                                  MOD05810
      COMMON PARSRC,PARCAT,PRMPAR,SRCRET,RESRAT,TRNG,GRADE              MOD05820
      COMMON NAMSRC,NAMCAT                                              MOD05830
      COMMON NWPROC,NEWTNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV      MOD05840
      COMMON NCONTR,CONTR,CNTRCT                                        MOD05850
      COMMON/P/PRMOPP,GAINS                                             MOD05860
C                                                                       MOD05870
      COMMON/S/TOTRET,RETPOP,COST,GONED,GONEV,GONEI,COMT,LSTSRC,        MOD05880
     1          REM,C,CIND                                              MOD05890
      COMMON/G/NGRD                                                     MOD05900
      COMMON/INFO/TITLE,NAMFIL,NAMTYP                                   MOD05910
      COMMON/PRINT/IOUT                                                 MOD05920
      REAL GONED(35,10),GONEI(35,10),GONEV(35,10)                       MOD05930
      INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR                          MOD05940
      INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)                     MOD05950
      REAL SRCRET(10,3),RESRAT(35,15,10),TRNG(10,15),                   MOD05960
     *GRADE(36,10,2)                                                    MOD05970
      INTEGER NAMSRC(10,2),NAMCAT(15,2),TITLE(65),NAMFIL(2),NAMTYP(2)   MOD05980
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      REAL NWPROC(10),NEWTNG(10,15),MST(10,15),P(10,15),T(10,15)          MOD05990
      REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)                 MOD06000
      REAL AVYOS(11),PRMOPP(35,15,10),GAINS(35,15,10,2)                   MOD06010
      REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)      MOD06020
      REAL DEATH(35),DEATHS(35,10),DEAD,LOSSES(35,10)                     MOD06030
      REAL EXLIFE(18),RETPOP(18),TOTRET                                   MOD06040
      REAL FACT1,FACT2,FACTOR                                             MOD06050
      REAL CIND(21,15),TGAIN(16)                                          MOD06060
      REAL COST(7,7,18),PAY(35,10),BUCKET,BUCK1,BUCK2,REEPY1,REEPY2       MOD06070
      INTEGER E1,E2,G,I,J,K,M,COMT(10,15)                                 MOD06080
      REAL CNSTNT,DUMP(13),HOLD(11),AGE(11),REM(15)                       MOD06090
      REAL COMPRT(36,3),COMPD(36,3)                                       MOD06100
      REAL TPROM(10,36,16)                                                MOD06110
      REAL CUMFOR(10)                                                     MOD06120
      REAL GRDRAT(36,11),GRDIST(36,11)                                    MOD06130
      REAL C(36,16)                                                       MOD06140
      REAL LOSS(36),MASTER(36)                                            MOD06150
      INTEGER ANSWER,BLANK,YES,NO,TTL                                     MOD06160
      REAL DES(10)                                                        MOD06170
      INTEGER LSTSRC(15)                                                  MOD06180
      INTEGER PRNTSW,COSTSW                                               MOD06190
      REAL TERMLV(35,6)                                                   MOD06200
      REAL DCRMT(33,11)                                                   MOD06210
      INTEGER IYRRET(11)                                                  MOD06220
      INTEGER IDUM(8)                                                     MOD06230
       INTEGER GRDNM(10),GRDNM2(10)                                       MOD06240
      DATA DEATH/                                                         MOD06250
     *.000985,.001579,.001940,.002628,.002933,                            MOD06260
     *.003090,.003060,.003009,.002954,.002886,                            MOD06270
     *.002765,.002675,.002568,.002488,.002397,                            MOD06280
     *.002315,.002255,.002238,.002292,.002449,                            MOD06290
     *.002317,.002316,.002391,.002717,.002791,                            MOD06300
     *.002958,.003174,.003408,.003700,.003709,                            MOD06310
     *.004033,.004639,.004972,.005407,.005701/                            MOD06320
      DATA EXLIFE/30.44,30.44,30.44,                                      MOD06330
     *29.61,28.78,27.96,27.15,26.35,                                      MOD06340
     *25.56,24.78,24.01,23.24,22.40,                                      MOD06350
     *21.75,21.02,20.30,19.60,18.90/                                      MOD06360
C                                                                         MOD06370
      DATA BLANK/'    '/,YES/'YES'/,NO/'NO'/,TTL/'TOTL'/                  MOD06380
      DATA GRDNM/'( 1)','( 2)','( 3)','( 4)','( 5)','( 6)','( 7)',       MOD06390
     1'( 8)','( 9)','(10)'/                                               MOD06400
      DATA GRDNM2/'G 1','G 2','G 3','G 4','G 5','G 6','G 7','G 8',       MOD06410
     1'G 9','G10'/                                                        MOD06420
      NGRD2=NGRD+2                                                        MOD06430
      NGRD1=NGRD1+1                                                       MOD06440
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C                                                                       MOD06450
C ********************************* FORMAT STATEMENTS FOR CONVERSION ********************** MOD06460
C                                                                       MOD06470
9000  FORMAT(2A4)                                                       MOD06480
9001  FORMAT(1X,'DISPLAY RETENTION RATE RESOLUTION MATRICES???')        MOD06490
9002  FORMAT(1X,'DO YOU WANT TO USE THE COST ROUTINE???')               MOD06500
9003  FORMAT(1X,'ENTER COST FILES')                                     MOD06510
9004  FORMAT(1X,'MINIMUM YEARS OF SERVICE FOR RETIREMENT???')           MOD06520
9005  FORMAT(1X,'DO YOU WISH TO SET GRADES???')                         MOD06530
9006  FORMAT(1X,'ENTER OPTION,TOL,GRADES ',10(A4,1X))                   MOD06540
9007  FORMAT(1X,'DISPLAY LOSS TABLE???')                                MOD06550
9008  FORMAT(1X,'GRAPH FORCE PROFILE???')                               MOD06560
9009  FORMAT(1H1,1X,'INITIAL PROCUREMENT')                              MOD06570
9010  FORMAT(//)                                                        MOD06580
9011  FORMAT(1H1,1X,' ORGANIZATION IS')                                 MOD06590
9012  FORMAT(1X,'SAVE THE LOSS ARRAY??')                                MOD06600
9013  FORMAT(1X,'FILENAME??')                                           MOD06610
9014  FORMAT(1X,'SOMETHING IS WRONG WITH ONE OF YOUR FILES')            MOD06620
9015  FORMAT(1X,'OUTPUT TO PRINTER(1) OR TERMINAL(0)???')               MOD06630
C                                                                       MOD06640
C*****ASK WHERE TO ROUTE OUTPUT  PRINTER DEFINED AS LUN 2*******        MOD06650
C                                                                       MOD06660
9020  CALL DISPCL                                                       MOD06670
      WRITE(6,9015)                                                     MOD06680
      READ(5,*) IOUT                                                    MOD06690
      IF(IOUT.LT.0.OR.IOUT.GT.1)GO TO 9020                              MOD06700
      IF(IOUT.EQ.0)IOUT=6                                               MOD06710
      IF(IOUT.EQ.1)IOUT=2                                               MOD06720
C                                                                       MOD06730
C********** ASK IF WE WANT TO PRINT OUT RESOLUTION ARRAYS               MOD06740
      CALL DISPCL                                                       MOD06750
      PRNTSW=0                                                          MOD06760
      WRITE(6,9001)                                                     MOD06770
      READ (5,9000)ANSWER                                               MOD06780
      IF (ANSWER .EQ. YES) PRNTSW=1                                     MOD06790
C                                                                       MOD06800
C********* ASK IF THIS RUN SHOULD USE THE COST ROUTINE                  MOD06810
      CALL DISPCL                                                       MOD06820
      COSTSW = 0                                                        MOD06830
      WRITE(6,9002)                                                     MOD06840
      READ (5,9000)ANSWER                                               MOD06850
      IF (ANSWER.EQ.YES) COSTSW=1                                       MOD06860
C                                                                       MOD06870
C******* ASK IF WE WANT TO SET GRADES                                   MOD06880
C                                                                       MOD06890
      IGRDSW=0                                                          MOD06900
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C      WRITE(6,9005)                                                    MOD06910
C      READ (5,9000) ANSWER                                             MOD06920
C      IF (ANSWER.EQ.NO) GO TO 11000                                    MOD06930
C      IGRDSW=1                                                         MOD06940
C                                                                       MOD06950
C ***** READ GRADE SETTINGS FOR 04,05,06,TOLERANCE,AND OPTION           MOD06960
C                                                                       MOD06970
C  OPTION: 2= FLOAT OPP.,FIX WINDOW   1=FLOAT WINDOW,FIX OPP.           MOD06980
C                                                                       MOD06990
C      WRITE(6,9030)                                                    MOD07000
C9030  FORMAT(1X,'HOW MANY GRADES TO BE SET??')                         MOD07010
C      READ(5,*) NDS                                                    MOD07020
C      WRITE(6,9006) (GRDNM(NGRD-I+1),I=1,NDS)                          MOD07030
C      READ(5,*) IOPTN,TOL,(DES(I),I=1,NDS)                             MOD07040
C                                                                       MOD07050
C***** ASK FOR PRINT OPTION ON LOSS TABLE                               MOD07060
C                                                                       MOD07070
C**** CURRENTLY REMOVED                                                 MOD07080
C11000 WRITE(6,9007)                                                    MOD07090
C       READ (5,9000) ANSWER                                            MOD07100
C       IF (ANSWER.EQ.YES) LOSSSW=1                                     MOD07110
C       WRITE(6,9008)                                                   MOD07120
C       READ (5,9000) ANSWER                                            MOD07130
C       IF(ANSWER.EQ.YES)GRPHSW=1                                       MOD07140
11000 CONTINUE                                                          MOD07150
C                                                                       MOD07160
C*************************************************************************MOD07170
C     BEGIN INITIAL SETUP FOR MODEL RUN                                 MOD07180
C                                                                       MOD07190
C      WE RETURN HERE FOR EVERY ITERATION IN MODEL                      MOD07200
C                                                                       MOD07210
C*************************************************************************MOD07220
C                                                                       MOD07230
13047 CALL MSETUP                                                       MOD07240
C                                                                       MOD07250
C******CALL ROUTINE TO CREATE SUBSTRUCTURE RESOLUTION ARRAYS            MOD07260
C                                                                       MOD07270
      CALL MSRCAT(PRNTSW)                                               MOD07280
C                                                                       MOD07290
C*******CALL ROUTINE TO COMPUTE NEW OPP. FOR GRADES                     MOD07300
C                                                                       MOD07310
      IF(IGRDSW .EQ. 0)GO TO 11010                                      MOD07320
      CALL MCOPP(DES,NDS,TOL,IOPTN,IFLG)                                MOD07330
C                                                                       MOD07340
C******CHECK FLAG TO SEE IF WE ARE DONE********                         MOD07350
C                                                                       MOD07360
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      IF(IFLG.EQ.1)GO TO 13047                                          MOD07370
C                                                                       MOD07380
C                                                                       MOD07390
C*************************************************************************MOD07400
C*  THE FOLLOWING SECTIONS ARE USED FOR VARIOUS OUTPUT                   MOD07410
C*  REPORTING. SOME OF THESE SECTIONS HAVE BEEN TURNED                   MOD07420
C*  OFF FOR THE TIME BEING SINCE THEY LOOKED LIKE AFTER                  MOD07430
C*  THOUGHTS IN THE PREVIOUS MODEL.                                      MOD07440
C*************************************************************************MOD07450
C                                                                       MOD07460
C**********COLLECT PROCUREMENT***************                           MOD07470
C                                                                       MOD07480
11010 DO 67 I=1,NSOURC                                                  MOD07490
67    NWPROC(I)=0.0                                                     MOD07500
      DO 68 I=1,NSOURC                                                  MOD07510
      DO 68 J=1,NCAT                                                    MOD07520
      NWPROC(I)=NWPROC(I)+P(I,J)                                        MOD07530
68    CONTINUE                                                          MOD07540
C                                                                       MOD07550
C**********CALCULATE NEW TRAINING RATES**************                  MOD07560
C                                                                       MOD07570
      DO 69 I=1,NSOURC                                                  MOD07580
      DO 69 J=1,NCAT                                                    MOD07590
      IF (NWPROC(I).EQ.0.0) GO TO 70                                    MOD07600
      NEWTNG(I,J)=P(I,J)/NWPROC(I)                                      MOD07610
      GO TO 69                                                          MOD07620
70    NEWTNG(I,J)=0.0                                                   MOD07630
69    CONTINUE                                                          MOD07640
C                                                                       MOD07650
C************PRINT OUT PROCUREMENT SUMMARY*************                MOD07660
C                                                                       MOD07670
      DO 250 IG=1,10                                                    MOD07680
      DO 250 IY=1,36                                                    MOD07690
      DO 250 IC=1,16                                                    MOD07700
      TPROM(IG,IY,IC)=0.0                                               MOD07710
250   CONTINUE                                                          MOD07720
C                                                                       MOD07730
C*** NOTE: TPROM IS A REUSABLE OUTPUT ARRAY ********                    MOD07740
C                                                                       MOD07750
      TGAIN(16)=0.0                                                     MOD07760
      DO 258 IC=1,NCAT                                                  MOD07770
      TGAIN(IC)=SUBCAT(IC,1,3)                                          MOD07780
      DO 259 IG=1,10                                                    MOD07790
      TGAIN(IC)=TGAIN(IC)-GAINS(1,IC,IG,2)                              MOD07800
259   CONTINUE                                                          MOD07810
      TGAIN(16)=TGAIN(16)+TGAIN(IC)                                     MOD07820
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258   CONTINUE                                                          MOD07830
      CALL HEADER(IOUT)                                                 MOD07840
      WRITE(IOUT,260) (NAMCAT(J,1),J=1,NCAT),TTL                        MOD07850
260   FORMAT(1X,1X,'GAINS',/,' INITIAL ENTRY:',//,                      MOD07860
     11X,'CATEGORY    ',16(3X,A4))                                      MOD07870
      WRITE(IOUT,9010)                                                  MOD07880
      DO 269 IT=1,2                                                     MOD07890
      DO 270 IC=1,NCAT                                                  MOD07900
      DO 270 IY=1,35                                                    MOD07910
      DO 270 IG=1,10                                                    MOD07920
      IF(IT.EQ.1.AND.IY.EQ.1)GO TO 270                                  MOD07930
      TPROM(IT,IY,IC)=TPROM(IT,IY,IC)+GAINS(IY,IC,IG,IT)                MOD07940
      TPROM(IT,36,IC)=TPROM(IT,36,IC)+GAINS(IY,IC,IG,IT)                MOD07950
      TPROM(IT,IY,16)=TPROM(IT,IY,16)+GAINS(IY,IC,IG,IT)                MOD07960
      TPROM(IT,36,16)=TPROM(IT,36,16)+GAINS(IY,IC,IG,IT)                MOD07970
270   CONTINUE                                                          MOD07980
269   CONTINUE                                                          MOD07990
      DO 275 IC=1,16                                                    MOD08000
      TPROM(1,1,IC)=TPROM(1,1,IC)+TGAIN(IC)                             MOD08010
      TPROM(1,36,IC)=TPROM(1,36,IC)+TGAIN(IC)                           MOD08020
275   CONTINUE                                                          MOD08030
C                                                                       MOD08040
      DO 280 IY=1,35                                                    MOD08050
      WRITE(IOUT,282) IY,(TPROM(1,IY,IC),IC=1,NCAT),TPROM(1,IY,16)      MOD08060
280   CONTINUE                                                          MOD08070
282   FORMAT(1X,I4,7X,16F7.0)                                           MOD08080
      WRITE(IOUT,283) TTL,(TPROM(1,36,IC),IC=1,NCAT),TPROM(1,36,16)     MOD08090
283   FORMAT(//,1X,A4,7X,16F7.0)                                        MOD08100
      CALL HEADER(IOUT)                                                 MOD08110
      WRITE(IOUT,284) (NAMCAT(J,1),J=1,NCAT),TTL                        MOD08120
284   FORMAT(1X,'GAINS',/,' LATERAL ENTRY:',//,                         MOD08130
     11X,'CATEGORY    ',16(3X,A4))                                      MOD08140
      WRITE(IOUT,9010)                                                  MOD08150
      DO 286 IY=1,35                                                    MOD08160
      WRITE(IOUT,282) IY,(TPROM(2,IY,IC),IC=1,NCAT),TPROM(2,IY,16)      MOD08170
286   CONTINUE                                                          MOD08180
      WRITE(IOUT,283) TTL,(TPROM(2,36,IC),IC=1,NCAT),TPROM(2,36,16)     MOD08190
      DO 287 IC=1,16                                                    MOD08200
      DO 287 IY=1,36                                                    MOD08210
      TPROM(3,IY,IC)=TPROM(1,IY,IC)+TPROM(2,IY,IC)                      MOD08220
287   CONTINUE                                                          MOD08230
      CALL HEADER(IOUT)                                                 MOD08240
      WRITE(IOUT,289) (NAMCAT(J,1),J=1,NCAT),TTL                        MOD08250
289   FORMAT(1X,'SUMMARY OF ALL GAINS',/,' INITIAL & LATERAL ENTRY',    MOD08260
     1//,1X,'CATEGORY    ',16(3X,A4))                                   MOD08270
      WRITE(IOUT,9010)                                                  MOD08280
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      DO 290 IY=1,35                                                    MOD08290
      WRITE(IOUT,282) IY,(TPROM(3,IY,IC),IC=1,NCAT),TPROM(3,IY,16)      MOD08300
290   CONTINUE                                                          MOD08310
      WRITE(IOUT,283) TTL,(TPROM(3,36,IC),IC=1,NCAT),TPROM(3,36,16)     MOD08320
C                                                                       MOD08330
C**************PRINT SUMMARY OF STRENGTHS**************                MOD08340
C                                                                       MOD08350
      CALL HEADER(IOUT)                                                 MOD08360
      NGR3=NGRD+3                                                       MOD08370
         WRITE(IOUT,108) (GRDNM2(K3),K3=1,NGRD)                         MOD08380
108   FORMAT(1X,1X,'NAME',11X,'CNTRCT',2X,'TOTAL  ',10(4X,A3,2X))       MOD08390
         WRITE(IOUT,5005) TTL,C(36,16),(FORCE(36,M),M=3,NGR3)           MOD08400
      DO 5002 I=1,NSOURC                                                MOD08410
      WRITE(IOUT,5003) NAMSRC(I,1),(SUBSRC(I,36,M),M=3,NGR3)            MOD08420
5002  CONTINUE                                                          MOD08430
C                                                                       MOD08440
      DO 5004 J=1,NCAT                                                  MOD08450
      WRITE(IOUT,5005) NAMCAT(J,1),C(36,J),(SUBCAT(J,36,M),M=3,NGR3)    MOD08460
5004  CONTINUE                                                          MOD08470
C                                                                       MOD08480
5005  FORMAT(/,1X,A4,8X,12F9.0)                                         MOD08490
5003  FORMAT(/,1X,A4,17X,11F9.0)                                        MOD08500
      DO 499 IG=1,10                                                    MOD08510
      DO 499 IY=1,36                                                    MOD08520
      DO 499 IC=1,16                                                    MOD08530
      TPROM(IG,IY,IC)=0.0                                               MOD08540
499   CONTINUE                                                          MOD08550
C                                                                       MOD08560
      DO 500 IG=1,9                                                     MOD08570
      DO 501 IY=1,35                                                    MOD08580
      DO 502 IC=I,NCAT                                                  MOD08590
      TPROM(IG,IY,IC)=PRMOPP(IY,IC,IG)*SUBCAT(IC,IY,IG+3)               MOD08600
      TPROM(IG,IY,16)=TPROM(IG,IY,16)+TPROM(IG,IY,IC)                   MOD08610
      TPROM(IG,36,IC)=TPROM(IG,36,IC)+TPROM(IG,IY,IC)                   MOD08620
      TPROM(10,IY,IC)=TPROM(10,IY,IC)+TPROM(IG,IY,IC)                   MOD08630
      TPROM(10,IY,16)=TPROM(10,IY,16)+TPROM(IG,IY,IC)                   MOD08640
      TPROM(IG,36,16)=TPROM(IG,36,16)+TPROM(IG,IY,IC)                   MOD08650
      TPROM(10,36,16)=TPROM(10,36,16)+TPROM(IG,IY,IC)                   MOD08660
      TPROM(10,16,IC)=TPROM(10,36,IC)+TPROM(IG,IY,IC)                   MOD08670
502   CONTINUE                                                          MOD08680
501   CONTINUE                                                          MOD08690
500   CONTINUE                                                          MOD08700
      WRITE(IOUT,505) (TPROM(IG,36,16),IG=1,9)                          MOD08710
505   FORMAT(//,1X,'PROMOTION SUMMARY',/,                               MOD08720
     11X,'  TO G-2  TO G-3  TO G-4  TO G-5  TO G-6  TO G-7  TO G-8',    MOD08730
     21X,'  TO G-9 TO G-10',/,1X,9F8.0)                                 MOD08740
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C******** NOW PRINT OUT TOTAL FORCE PROFILE**********                    MOD08750
C                                                                       MOD08760
      WRITE(IOUT,9011)                                                  MOD08770
C                                                                       MOD08780
C******** PRINT OUT FORCE PROFILE **********                            MOD08790
C                                                                       MOD08800
      CALL FPRINT(C,FORCE,35,3,NGRD)                                    MOD08810
C                                                                       MOD08820
C*********************************************                          MOD08830
C*   FOLLOWING SECTIONS ARE CURRENTLY REMOVED                           MOD08840
C*********************************************                          MOD08850
C                                                                       MOD08860
C****** MODIFICATIONS NECESSARY TO MAKE FOLLOWING CODE OPERATIVE***     MOD08870
C                                                                       MOD08880
C*      DO 9601 K=1,35                                                  MOD08890
C*      DO 9601 M=3,NGRD2                                               MOD08900
C*      AVYOS(M-2)=AVYOS(M-2)+FORCE(K,M)*(K-.5)                         MOD08910
C*9601  CONTINUE                                                        MOD08920
C*      CUMFOR(5)=FORCE(36,8)                                           MOD08930
C*      DO 97 M=3,8                                                     MOD08940
C*      IF(M.LT.5)GO TO 9701                                            MOD08950
C*      CUMFOR(9-M)=FORCE(36,12-M)+CUMFOR(10-M)                         MOD08960
C*9701  CONTINUE                                                        MOD08970
C*      AVYOS(M-2)=AVYOS(M-2)/FORCE(36,M)                               MOD08980
C*97    CONTINUE                                                        MOD08990
C*      WRITE(6,9801) (AVYOS(I),I=1,6)                                  MOD09000
C*9801  FORMAT(//,1X,'AVG YOS:  TOT FORCE=',F4.1,'  LTS=',F4.1,         MOD09010
C*     *'  CPT=',F4.1,'  MAJ=',F4.1,'  LTC=',F4.1,'  COL=',F4.1,//)     MOD09020
C*      IF (LOSSSW.EQ.0) GO TO 8100                                     MOD09030
C*8115  WRITE(6,8110)                                                   MOD09040
C*8110  FORMAT(1H ,5X,19HLOSSES DUE TO DEATH,7X,                        MOD09050
C*     *18HINVOLUNTARY LOSSES,9X,16HVOLUNTARY LOSSES)                  MOD09060
C*      WRITE(6,8111)                                                   MOD09070
C*8111  FORMAT(3H YR,3(' LTS  CPT  MAJ  LTC  COL  '))                   MOD09080
C*      DO 8112 JJ = 1,35                                               MOD09090
C*      WRITE(6,8113) JJ,(GONED(JJ,N),N=1,5),                           MOD09100
C*     *(GONEI(JJ,N),N=1,5),(GONEV(JJ,N),N=1,5)                        MOD09110
C*8112  CONTINUE                                                        MOD09120
C*8113  FORMAT(1H ,I2,5F5.0,1X,5F5.0,1X,5F5.0)                          MOD09130
C*      DO 8090 I=1,35                                                  MOD09140
C*      DO 8090 J=1,5                                                   MOD09150
C*8090  TPROM(J)=TPROM(J)+GONED(I,J)+GONEI(I,J)+GONEV(I,J)              MOD09160
C*      DO 8091 I=1,4                                                   MOD09170
C*8091  TPROM(5-I)=TPROM(5-I)+TPROM(6-I)                                MOD09180
C*      WRITE(6,8092)                                                   MOD09190
C*8092  FORMAT(//,12X,'TOTAL',6X,'UTILIZATION',/,                       MOD09200
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C*     *11X,'PROMOTED',4X,'AFTER PROM.',3X,'TURNOVER',/)                MOD09210
C*      DO 8093 I=2,5                                                   MOD09220
C*      TUTIL=CUMFOR(I)/TPROM(I)                                        MOD09230
C*      TOVER=1.0/TUTIL                                                 MOD09240
C*      ITEMP1 = I+1                                                    MOD09250
C*      WRITE(6,8094) ITEMP1,TPROM(I),TUTIL,TOVER                       MOD09260
C*8094  FORMAT(4X,'O-',I1,4X,F6.0,6X,F7.1,7X,F6.2)                      MOD09270
C*8093  CONTINUE                                                        MOD09280
C*      WRITE (6,9000) BLANK                                            MOD09290
C*      DO 8141 I=1,30                                                  MOD09300
C*      DO 8141 J=1,5                                                   MOD09310
C*      DCRMT(I,9)=DCRMT(I,9)+GONED(I,J)                                MOD09320
C*      DCRMT(I,10)=DCRMT(I,10)+GONEI(I,J)                              MOD09330
C*      DCRMT(I,11)=DCRMT(I,11)+GONEV(I,J)                              MOD09340
C*8141  CONTINUE                                                        MOD09350
C*      DO 8142 I=18,30                                                 MOD09360
C*      DCRMT(I,11)=DCRMT(I,11)+DCRMT(I,10)                             MOD09370
C*      DCRMT(I,10)=0.0                                                 MOD09380
C*8142  CONTINUE                                                        MOD09390
C*      DCRMT(1,1)=FORCE(1,3)                                           MOD09400
C*      DO 8143 I=2,31                                                  MOD09410
C*      DCRMT(I,1)=FORCE(I-1,3)                                         MOD09420
C*      DCRMT(I-1,2)=FORCE(I-1,3)                                       MOD09430
C*      DCRMT(I,5)=DCRMT(I-1,9)                                         MOD09440
C*      DCRMT(I,7)=DCRMT(I-1,10)                                        MOD09450
C*      IF (I.GT.18) GO TO 8144                                         MOD09460
C*      DCRMT(I,6)=DCRMT(I-1,11)                                        MOD09470
C*      GO TO 8143                                                      MOD09480
C*8144  DCRMT(I,8)=DCRMT(I-1,11)                                        MOD09490
C*8143  CONTINUE                                                        MOD09500
C*      DO 8145 I=1,32                                                  MOD09510
C*      DCRMT(I,3)=(DCRMT(I,1)+DCRMT(I,2))/2.0                          MOD09520
C*      DCRMT(I,4)=DCRMT(I,1)-DCRMT(I,2)                                MOD09530
C*      DO 8145  J=1,8                                                  MOD09540
C*      DCRMT(33,J)=DCRMT(33,J)+DCRMT(I,J)                              MOD09550
C*8145  CONTINUE                                                        MOD09560
C*      WRITE(6,8148)                                                   MOD09570
C*8148  FORMAT(' CYOS    BEGIN      END  AVERAGE    TOTAL    DEATH',   MOD09580
C*     *'   VOLSEP   INVSEP    RETMT')                                  MOD09590
C*      FDCRMT=100000./DCRMT(1,1)                                       MOD09600
C*      DO 8146 I=1,33                                                  MOD09610
C*      ITEMP1 = I-1                                                    MOD09620
C*      DO 8250 JT=1,8                                                  MOD09630
C*8250  IDUM(JT) = DCRMT(I,JT)*FDCRMT+0.5                               MOD09640
C*8146  WRITE(6,8147) ITEMP1,(IDUM(J),J=1,8)                            MOD09650
C*8147  FORMAT(I5,8I9)                                                  MOD09660
```

```
C*8100  CONTINUE                                                        MOD09670
C*C8100  IF(GRPHSW.EQ.1)CALL %CHAIN('RICH4')                            MOD09680
C*********************************************************************** MOD09690
C                                                                       MOD09700
C**********FOLLOWING SECTIONS PRINT OUT SOURCE AND CATEGORY ARRAYS       MOD09710
C                                                                       MOD09720
      DO 2002 I=1,NSOURC                                                MOD09730
C     WRITE(IOUT,2003) NAMSRC(I,1)                                      MOD09740
2003  FORMAT(1H1,1X,'SUBTOTALS FOR SOURCE=',A4,',(ALL CATEGORIES)')     MOD09750
C                                                                       MOD09760
C     CALL SPRINT(SUBSRC,35,I,3,NGRD)                                   MOD09770
C                                                                       MOD09780
2002  CONTINUE                                                          MOD09790
C                                                                       MOD09800
      DO 2004 J=1,NCAT                                                  MOD09810
C     WRITE(IOUT,2005)NAMCAT(J,1)                                       MOD09820
2005  FORMAT(1H1,1X,'SUBTOTALS FOR CATEGORY=',A4,',(ALL SOURCES)')      MOD09830
C                                                                       MOD09840
C     CALL CPRINT(C,SUBCAT,35,J,3,NGRD)                                 MOD09850
C                                                                       MOD09860
2004  CONTINUE                                                          MOD09870
C                                                                       MOD09880
      WRITE(46) NGRD,NCAT,NAMCAT,TITLE,NAMFIL,NAMTYP                    MOD09890
      WRITE(46) SUBCAT                                                  MOD09900
C                                                                       MOD09910
777   STOP                                                              MOD09920
      END                                                               MOD09930
C                                                                       MOD09940
C*********************************************************************** MOD09950
C                                                                       MOD09960
      SUBROUTINE MSETUP                                                 MOD09970
      COMMON DESSTR,MAXYRS,NSOURC,NCAT                                  MOD09980
      COMMON PARSRC,PARCAT,PRMPAR,SRCRET,RESRAT,TRNG,GRADE              MOD09990
      COMMON NAMSRC,NAMCAT                                              MOD10000
      COMMON NWPROC,NEWTNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV      MOD10010
      COMMON NCONTR,CONTR,CNTRCT                                        MOD10020
      COMMON/P/PRMOPP,GAINS                                             MOD10030
C                                                                       MOD10040
      COMMON/S/TOTRET,RETPOP,COST,GONED,GONEV,GONEI,COMT,LSTSRC,        MOD10050
     1         REM,C,CIND                                               MOD10060
      COMMON/G/NGRD                                                     MOD10070
      COMMON/INFO/TITLE,NAMFIL,NAMTYP                                   MOD10080
      COMMON/PRINT/IOUT                                                 MOD10090
      REAL GONED(35,10),GONEI(35,10),GONEV(35,10)                       MOD10100
      INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR                          MOD10110
      INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)                     MOD10120
```

```
      REAL SRCRET(10,3),RESRAT(35,15,10),TRNG(10,15),                    MOD10130
     *GRADE(36,10,2)                                                     MOD10140
      INTEGER NAMSRC(10,2),NAMCAT(15,2)                                  MOD10150
      REAL NWPROC(10),NEWTNG(10,15),MST(10,15),P(10,15),T(10,15)         MOD10160
      REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)                MOD10170
      REAL AVYOS(11)                                                     MOD10180
      REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)     MOD10190
      REAL DEATH(35),DEATHS(35,10),DEAD,LOSSES(35,10)                    MOD10200
      REAL EXLIFE(18),RETPOP(18),TOTRET                                  MOD10210
      REAL FACT1,FACT2,FACTOR                                            MOD10220
      REAL CIND(21,15)                                                   MOD10230
      REAL COST(7,7,18),PAY(35,10),BUCKET,BUCK1,BUCK2,REEPY1,REEPY2      MOD10240
      INTEGER E1,E2,G,I,J,K,M,COMT(10,15)                                MOD10250
      REAL CNSTNT,DUMP(13),HOLD(11),AGE(11),REM(15)                      MOD10260
      REAL COMPRT(36,3),COMPD(36,3)                                      MOD10270
      REAL TPROM(10,36,16)                                               MOD10280
      REAL CUMFOR(10)                                                    MOD10290
      REAL GRDRAT(36,11),GRDIST(36,11)                                   MOD10300
      REAL C(36,16)                                                      MOD10310
      REAL LOSS(36),MASTER(36)                                           MOD10320
      INTEGER ANSWER,BLANK,YES,NO,TTL                                    MOD10330
      INTEGER LSTSRC(15)                                                 MOD10340
      INTEGER PRNTSW,COSTSW                                              MOD10350
      REAL TERMLV(35,6)                                                  MOD10360
      REAL DCRMT(33,11)                                                  MOD10370
      INTEGER IYRRET(11)                                                 MOD10380
      INTEGER IDUM(8)                                                    MOD10390
      DATA DEATH/                                                        MOD10400
     *.000985,.001579,.001940,.002628,.002933,                           MOD10410
     *.003090,.003060,.003009,.002954,.002886,                           MOD10420
     *.002765,.002675,.002568,.002488,.002397,                           MOD10430
     *.002315,.002255,.002238,.002292,.002449,                           MOD10440
     *.002317,.002316,.002391,.002717,.002791,                           MOD10450
     *.002958,.003174,.003408,.003700,.003709,                           MOD10460
     *.004033,.004639,.004972,.005407,.005701/                           MOD10470
      DATA EXLIFE/30.44,30.44,30.44,                                     MOD10480
     *29.61,28.78,27.96,27.15,26.35,                                     MOD10490
     *25.56,24.78,24.01,23.24,22.40,                                     MOD10500
     *21.75,21.02,20.30,19.60,18.90/                                     MOD10510
C                                                                        MOD10520
      DATA BLANK/'    '/,YES/'YES'/,NO/'NO'/,TTL/'TOTL'/                 MOD10530
C                                                                        MOD10540
C**********BEGIN SETUP**********                                         MOD10550
C                                                                        MOD10560
      TOTRET=0.0                                                         MOD10570
      DO 11033 K=1,18                                                    MOD10580
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      RETPOP(K)=0.0                                                    MOD10590
11033 CONTINUE                                                         MOD10600
C                                                                      MOD10610
12020 DO 11030 I=1,36                                                  MOD10620
      DO 11030 J=1,13                                                  MOD10630
      FORCE(I,J)=0                                                     MOD10640
      DO 11030 K=1,10                                                  MOD10650
      SUBSRC(K,I,J)=0                                                  MOD10660
11030 CONTINUE                                                         MOD10670
C                                                                      MOD10680
12010 DO 11031 I=1,7                                                   MOD10690
      DO 11031 J=1,7                                                   MOD10700
      DO 11031 K=1,13                                                  MOD10710
      COST(I,J,K)=0                                                    MOD10720
11031 CONTINUE                                                         MOD10730
C                                                                      MOD10740
12000 DO 11032 I=1,36                                                  MOD10750
      DO 11032 J=1,13                                                  MOD10760
      DO 11032 K=1,15                                                  MOD10770
      SUBCAT(K,I,J)=0                                                  MOD10780
11032 CONTINUE                                                         MOD10790
      DO 8119 K = 1,35                                                 MOD10800
      DO 8119 M = 1,10                                                 MOD10810
      GONED(K,M) = 0.0                                                 MOD10820
      GONEI(K,M) = 0.0                                                 MOD10830
      GONEV(K,M) = 0.0                                                 MOD10840
8119  CONTINUE                                                         MOD10850
C COMPUTE PROCUREMENT AND COMMITMENT ARRAYS                            MOD10860
      DO 10 I=1,NSOURC                                                 MOD10870
      DO 10 J=1,NCAT                                                   MOD10880
      P(I,J)=PARSRC(I,1)*TRNG(I,J)                                     MOD10890
      COMT(I,J)=MAX0(PARSRC(I,5),(PARCAT(J,3)+PARCAT(J,4)))            MOD10900
10    CONTINUE                                                         MOD10910
      DO 81 J=1,NCAT                                                   MOD10920
      DO 82 I=1,NSOURC                                                 MOD10930
      E1=NSOURC+1-I                                                    MOD10940
      IF (TRNG(E1,J).NE.0.0) GO TO 83                                  MOD10950
82    CONTINUE                                                         MOD10960
83    LSTSRC(J)=E1                                                     MOD10970
81    CONTINUE                                                         MOD10980
C INITIALIZE REMAINDER ARRAY                                           MOD10990
      DO 11 J=1,NCAT                                                   MOD11000
11    REM(J)=PARCAT(J,1)                                               MOD11010
C  COMPUTE CNTRCTS & DEDUCT FROM REMAINDER ARRAY                       MOD11020
C                                                                      MOD11030
      DO 102 J=1,NCAT                                                  MOD11040
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      DO 103 I=1,NCONTR                                                  MOD11050
      IF (INT(CONTR(I,5)).NE.J) GO TO 103                                MOD11060
      DO 104 K=1,30                                                      MOD11070
104   C(K,J)=C(K,J)+CNTRCT(I,K)                                          MOD11080
103   CONTINUE                                                           MOD11090
      DO 105 K=1,30                                                      MOD11100
105   C(36,J)=C(36,J)+C(K,J)                                             MOD11110
102   CONTINUE                                                           MOD11120
      DO 106 K=1,36                                                      MOD11130
      DO 106 J=1,NCAT                                                    MOD11140
106   C(K,7)=C(K,7)+C(K,J)                                               MOD11150
      DO 107 J=1,NCAT                                                    MOD11160
107   REM(J)=REM(J)-C(36,J)                                              MOD11170
C                                                                        MOD11180
      IF(NCONTR .LE. 0)GO TO 9999                                        MOD11190
      DO 6300 M=1,NCONTR                                                 MOD11200
      IF (CONTR(M,7).EQ.2.0) GO TO 6300                                  MOD11210
      E1=CONTR(M,1)                                                      MOD11220
      E2=CONTR(M,1)+CONTR(M,3)-1                                         MOD11230
      J=CONTR(M,5)                                                       MOD11240
      DO 6301 K=E1,E2                                                    MOD11250
6301  CIND(K,J)=1                                                        MOD11260
      CIND(21,J)=CONTR(M,4)                                              MOD11270
6300  CONTINUE                                                           MOD11280
C                                                                        MOD11290
C******RETURN FROM WHENCE WE CAME ************                           MOD11300
C                                                                        MOD11310
9999  RETURN                                                             MOD11320
      END                                                                MOD11330
      SUBROUTINE MSRCAT(PRNTSW)                                          MOD11340
C                                                                        MOD11350
C*************************************************************************MOD11360
C*                                                                       MOD11370
C*     THIS ROUTINE IS USED TO COMPUTE THE RESOLUTION ARRAYS             MOD11380
C*      FOR EACH SOURCE AND CATEGORY                                     MOD11390
C*                                                                       MOD11400
C*************************************************************************MOD11410
C                                                                        MOD11420
      COMMON DESSTR,MAXYRS,NSOURC,NCAT                                   MOD11430
      COMMON PARSRC,PARCAT,PRMPAR,SRCRET,RESRAT,TRNG,GRADE               MOD11440
      COMMON NAMSRC,NAMCAT                                               MOD11450
      COMMON NWPROC,NEWTNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV       MOD11460
      COMMON NCONTR,CONTR,CNTRCT                                         MOD11470
      COMMON/P/PRMOPP,GAINS                                              MOD11480
C                                                                        MOD11490
      COMMON/S/TOTRET,RETPOP,COST,GONED,GONEV,GONEI,COMT,LSTSRC,         MOD11500
```

```
     1          REM,C,CIND                                                    MOD11510
      COMMON/G/NGRD                                                         MOD11520
      COMMON/INFO/TITLE,NAMFIL,NAMTYP                                       MOD11530
      COMMON/PRINT/IOUT                                                     MOD11540
      REAL GONED(35,10),GONEI(35,10),GONEV(35,10)                           MOD11550
      INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR                              MOD11560
      INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)                         MOD11570
      REAL SRCRET(10,3),RESRAT(35,15,10),TRNG(10,15),                       MOD11580
     *GRADE(36,10,2)                                                        MOD11590
      INTEGER NAMSRC(10,2),NAMCAT(15,2)                                     MOD11600
      REAL NWPROC(10),NEWTNG(10,15),MST(10,15),P(10,15),T(10,15)            MOD11610
      REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)                   MOD11620
      REAL AVYOS(11)                                                        MOD11630
      REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)        MOD11640
      REAL DEATH(35),DEATHS(35,10),DEAD,LOSSES(35,10)                       MOD11650
      REAL EXLIFE(18),RETPOP(18),TOTRET                                     MOD11660
      REAL FACT1,FACT2,FACTOR                                               MOD11670
      REAL CIND(21,15),PRMOPP(35,15,10),GAINS(35,15,10,2),CATG(15,36,13)MOD11680
      REAL COST(7,7,18),PAY(35,10),BUCKET,BUCK1,BUCK2,REEPY1,REEPY2         MOD11690
      INTEGER E1,E2,G,I,J,K,M,COMT(10,15)                                   MOD11700
      REAL CNSTNT,DUMP(13),HOLD(11),AGE(11),REM(15)                         MOD11710
      REAL TPROM(10,36,16)                                                  MOD11720
      REAL CUMFOR(10)                                                       MOD11730
      REAL GRDRAT(36,11),GRDIST(36,11)                                      MOD11740
      REAL C(36,16)                                                         MOD11750
      REAL LOSS(36),MASTER(36)                                              MOD11760
      INTEGER ANSWER,BLANK,YES,NO,TTL                                       MOD11770
      INTEGER LSTSRC(15)                                                    MOD11780
      INTEGER PRNTSW,COSTSW                                                 MOD11790
      REAL TERMLV(35,6)                                                     MOD11800
      REAL DCRMT(33,11)                                                     MOD11810
      INTEGER IYRRET(11)                                                    MOD11820
      INTEGER IDUM(8)                                                       MOD11830
      DATA DEATH/                                                           MOD11840
     *.000985,.001579,.001940,.002628,.002933,                              MOD11850
     *.003090,.003060,.003009,.002954,.002886,                              MOD11860
     *.002765,.002675,.002568,.002488,.002427,                              MOD11870
     *.002315,.002255,.002238,.002292,.002449,                              MOD11880
     *.002317,.002316,.002391,.002717,.002791,                              MOD11890
     *.002958,.003174,.003408,.003700,.003709,                              MOD11900
     *.004033,.004639,.004972,.005407,.005701/                              MOD11910
      DATA EXLIFE/30.44,30.44,30.44,                                        MOD11920
     *29.61,28.78,27.96,27.15,26.35,                                        MOD11930
     *25.56,24.78,24.01,23.24,22.40,                                        MOD11940
     *21.75,21.02,20.30,19.60,18.90/                                        MOD11950
C                                                                           MOD11960
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```
      DATA BLANK/'    '/,YES/'YES'/,NO/'NO'/,TTL/'TOTL'/                MOD11970
      NGRD1=NGRD-1                                                      MOD11980
      IQRMC=1                                                           MOD11990
C                                                                       MOD12000
C*****************************************************************    MOD12010
C  BEGIN RESOLUTION OF SUBSTRUCTURES                                    MOD12020
C*****************************************************************    MOD12030
C                                                                       MOD12040
      DO 1000 I=1,NSOURC                                                MOD12050
      DO  999 J=1,NCAT                                                  MOD12060
C                                                                       MOD12070
C*****************************************************************    MOD12080
C  THIS SECTION COMPUTES GRADE DISTRIBUTION ARRAY                       MOD12090
C*****************************************************************    MOD12100
C                                                                       MOD12110
      CALL MDIST(GRDIST,GRDRAT,RESRAT,J,NGRD)                           MOD12120
C                                                                       MOD12130
      WRITE(IOUT,7079) NAMCAT(J,1)                                      MOD12140
7079  FORMAT(1X,'ENTERING MGDIST  CAT=',A4)                             MOD12150
      CALL MGDIST(RESRAT,J,GSUM,CATG,PRNTSW,NGRD)                       MOD12160
CC    WRITE(6,7080) GSUM                                                MOD12170
7080  FORMAT(1X,'RETURN FROM MGDIST  GSUM=',F8.0)                       MOD12180
      IF(GSUM.LT.REM(J))GO TO 500                                       MOD12190
      WRITE(IOUT,7081) NAMCAT(J,1),GSUM,REM(J)                          MOD12200
7081  FORMAT(1X,'***** WARNING *****',/,                                MOD12210
     11X,'FOR CATEGORY = ',A4,/,                                        MOD12220
     21X,'CONTRIBUTION OF GAINS FOR YOS 2-36 =',F9.0,/,                 MOD12230
     31X,'DESIRED STRENGTH SPECIFIED FOR CAT =',F9.0,//)                MOD12240
C                                                                       MOD12250
500   REM(J) = REM(J) - GSUM                                            MOD12260
      IF(REM(J).LE.0.0)REM(J)=0.0                                       MOD12270
C                                                                       MOD12280
      IF(P(I,J).LE.0.0)GO TO 999                                        MOD12290
C                                                                       MOD12300
C NOW COMPUTE TOTAL FORCE RETENTION VECTOR                              MOD12310
C                                                                       MOD12320
      DO 51 K=1,36                                                      MOD12330
      LOSS(K)=GRDRAT(K,11)                                              MOD12340
51    CONTINUE                                                          MOD12350
C                                                                       MOD12360
C  INSERT PRINT SELECT SWITCH FOR RETENTION RATE RESOLUTION             MOD12370
      IF (PRNTSW.EQ.0) GO TO 77                                         MOD12380
      WRITE(IOUT,76) NAMSRC(I,1),NAMCAT(J,1)                            MOD12390
76    FORMAT(//,' SUBSTRUCTURE=',A4,',',A4/)                            MOD12400
C                                                                       MOD12410
C*****************************************************************    MOD12420
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C                                                                       MOD12430
      CALL RPRINT(GRDRAT,35,NGRD)                                       MOD12440
C                                                                       MOD12450
C*************************************************************************MOD12460
C                                                                       MOD12470
77    CONTINUE                                                          MOD12480
C  NOW CONVERT TO SURVIVAL RATES                                        MOD12490
      DO 52 K=2,36                                                      MOD12500
52    LOSS(K)=LOSS(K)*LOSS(K-1)                                         MOD12510
C   THIS CAPTURES THE SURVIVAL RATES BEFORE THEY ARE LOST               MOD12520
      DO 90 K=1,36                                                      MOD12530
90    SURV(I,J,K)=LOSS(K)                                               MOD12540
C COMPUTE MEAN SERVICE TIME                                             MOD12550
      MST(I,J)=0.0                                                      MOD12560
      DO 53 K=1,36                                                      MOD12570
      MST(I,J)=MST(I,J)+LOSS(K)                                         MOD12580
53    CONTINUE                                                          MOD12590
C NOW RETURN BACK OUT OF MAIN LOOP                                      MOD12600
      T(I,J)=MST(I,J)*P(I,J)                                            MOD12610
      IF (T(I,J).GT.REM(J)) GO TO 54                                    MOD12620
      IF (I.EQ.LSTSRC(J)) GO TO 54                                      MOD12630
      REM(J)=REM(J)-T(I,J)                                              MOD12640
      GO TO 55                                                          MOD12650
54    T(I,J)=REM(J)                                                     MOD12660
      REM(J)=0.0                                                        MOD12670
      P(I,J)=T(I,J)/MST(I,J)                                            MOD12680
      IF (I.EQ.NSOURC) GO TO 55                                         MOD12690
      E1=I+1                                                            MOD12700
      DO 56 K=E1,NSOURC                                                 MOD12710
56    P(K,J)=0.0                                                        MOD12720
55    CONTINUE                                                          MOD12730
C NOW SPREAD INITIAL PROCUREMENT OVER THE ARRAY                         MOD12740
      DO 57 K=1,36                                                      MOD12750
      LOSS(K)=LOSS(K)*P(I,J)                                            MOD12760
      DO 59 M=1,NGRD                                                    MOD12770
59    GRDIST(K,M)=GRDIST(K,M)*LOSS(K)                                   MOD12780
57    CONTINUE                                                          MOD12790
C COMPUTE TOTAL, TOTAL BY GRADE,  AVG SERVICE                           MOD12800
C                                                                       MOD12810
      LOSS(36)=0.0                                                      MOD12820
      DO 60 M=1,NGRD                                                    MOD12830
      GRDIST(36,M)=0.0                                                  MOD12840
60    CONTINUE                                                          MOD12850
      DO 61 M=1,13                                                      MOD12860
61    DUMP(M)=0.0                                                       MOD12870
      DO 62 K=1,35                                                      MOD12880
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```
      CNSTNT=K-.5                                                    MOD12890
      LOSS(36)=LOSS(36)+LOSS(K)                                      MOD12900
      DUMP(3)=DUMP(3)+LOSS(K)*CNSTNT                                 MOD12910
      DO 63 M=1,NGRD                                                 MOD12920
      GRDIST(36,M)=GRDIST(36,M)+GRDIST(K,M)                          MOD12930
63    DUMP (M+3)=DUMP(M+3)+GRDIST(K,M)*CNSTNT                        MOD12940
62    CONTINUE                                                       MOD12950
C CALCULATE AVG YEARS SERVICE                                        MOD12960
      IF (LOSS(36).EQ.0.0) GO TO 98                                  MOD12970
      DUMP(3)=DUMP(3)/LOSS(36)                                       MOD12980
98    CONTINUE                                                       MOD12990
      DO 65 M=1,NGRD                                                 MOD13000
      IF (GRDIST(36,M).EQ.0.0) GO TO 65                              MOD13010
      DUMP(M+3)=DUMP(M+3)/GRDIST(36,M)                               MOD13020
65    CONTINUE                                                       MOD13030
C CALCULATE AVERAGE AGE TOTAL AND BY GRADE                           MOD13040
      AGE(1)=PARSRC(I,4)+DUMP(3)                                     MOD13050
      DO 66 M=1,NGRD                                                 MOD13060
66    AGE(M+1)=PARSRC(I,4)+DUMP(M+3)                                 MOD13070
C INSERT OTHER SUMMARY CALCULATIONS HERE                             MOD13080
      IF(COSTSW.EQ.0) GO TO 8136                                     MOD13090
8136  CONTINUE                                                       MOD13100
C  CALCULATE LOSSES                                                  MOD13110
      DO 216 K=1,35                                                  MOD13120
      DO 216 M=1,NGRD                                                MOD13130
216   LOSSES(K,M)=GRDIST(K,M)*(1.0-GRDRAT(K+1,M))                    MOD13140
      DEAD=0.0                                                       MOD13150
      DO 218 K=1,35                                                  MOD13160
      DO 218 M=1,NGRD                                                MOD13170
      DEATHS(K,M)=GRDIST(K,M)*DEATH(K)                               MOD13180
      DEAD=DEAD+DEATHS(K,M)                                          MOD13190
      GONED(K,M) = GONED(K,M) + DEATHS(K,M)                          MOD13200
218   LOSSES(K,M)=LOSSES(K,M)-DEATHS(K,M)                            MOD13210
C   SPLIT SEPARATIONS (PUT INVOLUNTARY INTO DEATHS-ARRAY)            MOD13220
C   ZERO DEATHS OUT FIRST                                            MOD13230
      DO 219 K=1,35                                                  MOD13240
      DO 219 M=1,NGRD                                                MOD13250
219   DEATHS(K,M)=0.0                                                MOD13260
C  NOW PICK UP NON-PROMOTEE FORCE-OUTS                               MOD13270
      DO 8121 M = 1,NGRD1                                            MOD13280
      K = PRMPAR(M,3)                                                MOD13290
      GONEI(K,M) = GONEI(K,M) + LOSSES(K,M)                          MOD13300
8121  CONTINUE                                                       MOD13310
      DO 8123 K = 1,35                                               MOD13320
      DO 8123 M = 1,NGRD                                             MOD13330
      GONEV(K,M) = GONEV(K,M) + LOSSES(K,M)                          MOD13340
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```
      IF(M.EQ.NGRD)GO TO 8123                                                  MOD13350
      IF(K.GE.PRMPAR(M,3)) GONEV(K,M) = 0.0                                    MOD13360
8123  CONTINUE                                                                 MOD13370
      DO 220 M = 1,NGRD1                                                       MOD13380
      K=PRMPAR(M,3)                                                            MOD13390
C      IF(K.GT.INVSEP)GO TO 220                                                MOD13400
      IF(K.GT.20)GO TO 220                                                     MOD13410
      DEATHS(K,M)=LOSSES(K,M)                                                  MOD13420
      LOSSES(K,M)=0.0                                                          MOD13430
220   CONTINUE                                                                 MOD13440
C     CAPTUR THE TOTALS HERE                                                   MOD13450
C                                                                              MOD13460
      DO 92 K=1,36                                                             MOD13470
      SUBSRC(I,K,3)=SUBSRC(I,K,3)+LOSS(K)                                      MOD13480
      SUBCAT(J,K,3)=SUBCAT(J,K,3)+LOSS(K)+CATG(J,K,3)                          MOD13490
      TOTALS(I,J,K)=LOSS(K)                                                    MOD13500
      DO 93 M=1,NGRD                                                           MOD13510
      SUBSRC(I,K,M+3)=SUBSRC(I,K,M+3)+GRDIST(K,M)                              MOD13520
      SUBCAT(J,K,M+3)=SUBCAT(J,K,M+3)+GRDIST(K,M)+CATG(J,K,M+3)                MOD13530
93    CONTINUE                                                                 MOD13540
92    CONTINUE                                                                 MOD13550
C      WRITE(6,100) NAMSRC(I,1),NAMCAT(J,1)                                    MOD13560
C100   FORMAT(' SUBSTRUCTURE FINISHED SOURCE=',A4,',CATEGORY=',A4)             MOD13570
C                                                                              MOD13580
999   CONTINUE                                                                 MOD13590
1000  CONTINUE                                                                 MOD13600
C                                                                              MOD13610
C WE ARE NOW FINISHED WITH ALL SOURCES& CATEGORIES                             MOD13620
C     COMPUTE TOTAL FORCE HERE                                                 MOD13630
C                                                                              MOD13640
      DO 940 I=1,NCAT                                                          MOD13650
        DO 941 K=1,36                                                          MOD13660
          DO 942 M=1,13                                                        MOD13670
          FORCE(K,M)=FORCE(K,M)+SUBCAT(I,K,M)                                  MOD13680
942       CONTINUE                                                             MOD13690
941     CONTINUE                                                               MOD13700
940   CONTINUE                                                                 MOD13710
C                                                                              MOD13720
C******NOW RETURN FROM WHENCE WE CAME ********                                 MOD13730
C                                                                              MOD13740
      RETURN                                                                   MOD13750
      END                                                                      MOD13760
      SUBROUTINE MCOPP(DES,NDS,TOL,IOPTN,IFLG)                                 MOD13770
C                                                                              MOD13780
C*************************************************************************     MOD13790
C*                                                                             MOD13800
```

```
C*     THIS ROUTINE IS USED TO COMPUTE NEW OPP. FOR GRADES                    MOD13810
C*                                                                            MOD13820
C*************************************************************************** MOD13830
C                                                                             MOD13840
      COMMON DESSTR,MAXYRS,NSOURC,NCAT                                        MOD13850
      COMMON PARSRC,PARCAT,PRMPAR,SRCRET,RESRAT,TRNG,GRADE                    MOD13860
      COMMON NAMSRC,NAMCAT                                                    MOD13870
      COMMON NWPROC,NEWTNG,MST,P,T,SUBCAT,SUBSRC,FORCE,TOTALS,SURV            MOD13880
      COMMON NCONTR,CONTR,CNTRCT                                              MOD13890
      COMMON/G/NGRD                                                           MOD13900
      COMMON/INFO/TITLE,NAMFIL,NAMTYP                                         MOD13910
      COMMON/PRINT/IOUT                                                       MOD13920
C                                                                             MOD13930
      INTEGER DESSTR,MAXYRS,NSOURC,NCAT,NCONTR                                MOD13940
      INTEGER PARSRC(10,5),PARCAT(15,5),PRMPAR(9,4)                           MOD13950
      REAL SRCRET(10,3),RESRAT(35,15,10),TRNG(10,15),                         MOD13960
     *GRADE(36,10,2)                                                          MOD13970
      INTEGER NAMSRC(10,2),NAMCAT(15,2)                                       MOD13980
      REAL NWPROC(10),NEWTNG(10,15),MST(10,15),P(10,15),T(10,15)              MOD13990
      REAL SUBCAT(15,36,13),SUBSRC(10,36,13),FORCE(36,13)                     MOD14000
      REAL SURV(10,15,36),CONTR(10,8),CNTRCT(10,30),TOTALS(10,15,36)          MOD14010
      INTEGER ANSWER,BLANK,YES,NO,TTL,PHY                                     MOD14020
      INTEGER GRD(10)                                                         MOD14030
      REAL ACT(10),DES(10),SDES(10),SACT(10),PACT1(10),PACT2(10),OPP(10)MOD14040
      INTEGER IPHM(10),IPHY(10)                                               MOD14050
C                                                                             MOD14060
      DATA ITER/0/                                                            MOD14070
      DATA BLANK/'    '/,YES/'YES'/,NO/'NO'/,TTL/'TOTL'/                      MOD14080
      DATA GRD/'G 1%','G 2%','G 3%','G 4%','G 5%','G 6%',                    MOD14090
     1         'G 7%','G 8%','G 9%','G10%'/                                   MOD14100
C                                                                             MOD..4110
C*************************************************************************** MOD14120
C                                                                             MOD14130
C     THIS ROUTINE COMPUTES NEW PROMOTION OPPORTUNITIES                       MOD14140
C                                                                             MOD14150
C*************************************************************************** MOD14160
C                                                                             MOD14170
      DO 1000 I=1,NDS                                                         MOD14180
      IG=NGRD-I+1                                                             MOD14190
      ACT(I)=FORCE(36,IG+3)                                                   MOD14200
1000  CONTINUE                                                                MOD14210
C                                                                             MOD14220
      DO 1001 I=1,NDS                                                         MOD14230
      SDES(I)=0.0                                                             MOD14240
      SACT(I)=0.0                                                             MOD14250
      IE=I                                                                    MOD14260
```

```
        DO 1002 J=1,IE                                                  MOD14270
        SDES(I)=SDES(I)+DES(J)                                          MOD14280
        SACT(I)=SACT(I)+ACT(J)                                          MOD14290
1002    CONTINUE                                                        MOD14300
1001  CONTINUE                                                          MOD14310
C                                                                       MOD14320
C******CHECK IF WE ARE FINISHED*********                               MOD14330
C                                                                       MOD14340
      ICHK=0                                                            MOD14350
      DO 1003 I=1,NDS                                                   MOD14360
      IF(ABS(SACT(I)-SDES(I)).LE.(TOL*SDES(I)))GO TO 1003               MOD14370
      ICHK=1                                                            MOD14380
1003  CONTINUE                                                          MOD14390
C                                                                       MOD14400
      IF(ICHK.EQ.0.AND.IOPTN.EQ.1)GO TO 1150                            MOD14410
      IF(ICHK.EQ.0)GO TO 9998                                           MOD14420
C                                                                       MOD14430
C*****NOT FINISHED SO CONTINUE PROCESSING******                       MOD14440
C                                                                       MOD14450
      DO 1005 I=1,NDS                                                   MOD14460
      PYR=PRMPAR(NGRD-I,1)                                              MOD14470
      PACT1(I)=0.0                                                      MOD14480
      IE=I                                                              MOD14490
        DO 1006 J=1,IE                                                  MOD14500
        IG=NGRD-J+1                                                     MOD14510
        PACT1(I)=PACT1(I)+FORCE(PYR,IG+3)                               MOD14520
1006    CONTINUE                                                        MOD14530
      IG=NGRD-I                                                         MOD14540
      PACT2(I)=PACT1(I)+FORCE(PYR,IG+3)                                 MOD14550
1005  CONTINUE                                                          MOD14560
C                                                                       MOD14570
C******CHECK FOR MODEL OPTION*******                                   MOD14580
C                                                                       MOD14590
      IF(IOPTN.EQ.2) GO TO 1200                                         MOD14600
C                                                                       MOD14610
C******HERE WE TAKE CARE OF OPTION 1 (FIX OPP,FLOAT WINDOW)******      MOD14620
C                                                                       MOD14630
1100  DO 1101 I=1,NDS                                                  MOD14640
      OPP(I)=((SDES(I)-SACT(I))+PACT1(I))/PACT2(I)                      MOD14650
1101  CONTINUE                                                          MOD14660
C                                                                       MOD14670
      DO 1102 I=1,NDS                                                   MOD14680
      PYR=PRMPAR(NGRD-I,1)                                              MOD14690
      GRADE(PYR,NGRD-I,2)=OPP(I)                                        MOD14700
1102  CONTINUE                                                          MOD14710
      ITER=ITER+1                                                       MOD14720
```

```
      WRITE(6,2000) ITER,((GRD(NGRD-I+1),OPP(I)),I=1,NDS)                MOD14730
C                                                                        MOD14740
C****CHECK FOR VALIDITY******                                            MOD14750
C                                                                        MOD14760
      DO 1300 I=1,NDS                                                    MOD14770
      IF(OPP(I).GT.0.0.AND.OPP(I).LE.1.0)GO TO 1305                      MOD14780
      GO TO 10000                                                        MOD14790
1305  PYR=PRMPAR(NGRD-I,1)+2-IOPTN                                       MOD14800
      IF(OPP(I).LT.GRADE(PYR,NGRD-I,2))GO TO 1300                        MOD14810
      GO TO 10000                                                        MOD14820
1300  CONTINUE                                                           MOD14830
      GO TO 9999                                                         MOD14840
C                                                                        MOD14850
C****CALCULATE PHASE POINTS*********                                     MOD14860
C                                                                        MOD14870
1150  DO 1151 I=1,NDS                                                    MOD14880
      PYR=PRMPAR(NGRD-I,1)+2-IOPTN                                       MOD14890
      IPHM(I)=1FIX(12.5-OPP(I)/(.08333*GRADE(PYR,NGRD-I,2)))             MOD14900
      IPHY(I)=PRMPAR(NGRD-I,1)-1                                         MOD14910
1151  CONTINUE                                                           MOD14920
      DO 1160 I=1,NDS                                                    MOD14930
      KK=NGRD-I+1                                                        MOD14940
      WRITE(6,1170) KK,IPHY(I),IPHM(I)                                   MOD14950
1160  CONTINUE                                                           MOD14960
1170  FORMAT(1X,'GRADE ',I2,' PHASE POINT=',I2,' YRS',I3,' MONTHS')      MOD14970
      GO TO 9998                                                         MOD14980
C                                                                        MOD14990
C*****HERE WE TAKE CARE OF OPTION 2 (FIX WINDOW,FLOAT OPP.)*******       MOD15000
C                                                                        MOD15010
C****WORK FROM LOWEST GRADE TO HIGHEST*********                          MOD15020
C                                                                        MOD15030
C***FOR OPP(NDS)******                                                   MOD15040
C                                                                        MOD15050
1200  TEMP1=(SDES(NDS)/SACT(NDS))*PACT1(NDS)                             MOD15060
      OPP(NDS)=TEMP1/PACT2(NDS)                                          MOD15070
C                                                                        MOD15080
C                                                                        MOD15090
C*****NOW DO OPP(NDS-1) TO OPP(1)************                            MOD15100
C                                                                        MOD15110
      NDS1=NDS-1                                                         MOD15120
      DO 1201 I=1,NDS1                                                   MOD15130
      IG=NDS-I                                                           MOD15140
      TEMP2=(TEMP1/PACT1(IG+1))*PACT2(IG)                                MOD15150
      TEMP1=(SDES(IG)/SACT(IG))*PACT1(IG)                                MOD15160
      OPP(IG)=TEMP1/TEMP2                                                MOD15170
1201  CONTINUE                                                           MOD15180
```

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C                                                                       MOD15190
C*****STORE NEW OPPORTUNITIES*******                                    MOD15200
C                                                                       MOD15210
      DO 1202 I=1,NDS                                                   MOD15220
      PYR=PRMPAR(NGRD-I,1)                                              MOD15230
      GRADE(PYR,NGRD-I,2)=OPP(I)                                        MOD15240
1202  CONTINUE                                                          MOD15250
      ITER=ITER+1                                                       MOD15260
      WRITE(6,2000) ITER,((GRD(NGRD-I+1),OPP(I)),I=1,NDS)               MOD15270
2000  FORMAT(1X,'ITERATION =',I3,8(1X,A4,'=',F5.3))                     MOD15280
C                                                                       MOD15290
C*****CHECK FOR VALIDITY*****                                           MOD15300
C                                                                       MOD15310
      DO 1301 I=1,NDS                                                   MOD15320
      IF(OPP(I).GT.0.0.AND.OPP(I).LE.1.0)GO TO 1301                     MOD15330
      GO TO 10000                                                       MOD15340
1301  CONTINUE                                                          MOD15350
      GO TO 9999                                                        MOD15360
C                                                                       MOD15370
C**********SET PROPER EXIT FLAG **********                             MOD15380
C  1=  NOT FINISHED     0=FINISHED                                      MOD15390
C                                                                       MOD15400
9998  IFLG=0                                                            MOD15410
      RETURN                                                            MOD15420
C                                                                       MOD15430
9999  IFLG=1                                                            MOD15440
      RETURN                                                            MOD15450
C**********ERROR TRAP******                                            MOD15460
C                                                                       MOD15470
10000 WRITE(6,10001)                                                    MOD15480
10001 FORMAT(1X,'****** W A R N I N G ******',/,                        MOD15490
     11X,'PROMOTION OPPORTUNITY IS OUT OF RANGE---RUN TERMINATING',/,   MOD15500
     21X,'PLEASE RECHECK YOUR INPUT')                                   MOD15510
      STOP                                                              MOD15520
C                                                                       MOD15530
      END                                                               MOD15540
      SUBROUTINE FPRINT(CON,FOR,J1,IS,NG)                               MOD15550
C                                                                       MOD15560
C***********************************************************           MOD15570
C*                                                         *           MOD15580
C*                                                         *           MOD15590
C*                                                         *           MOD15600
C***********************************************************           MOD15610
      COMMON/PRINT/IOUT                                                 MOD15620
      REAL CON(36,16),FOR(36,13)                                        MOD15630
      INTEGER GRADE(10)                                                 MOD15640
```

```
C                                                                       MOD15650
      DATA GRADE/'G 1','G 2','G 3','G 4','G 5','G 6','G 7',             MOD15660
     *           'G 8','G 9','G10'/                                     MOD15670
C                                                                       MOD15680
      IE = NG + IS                                                      MOD15690
      WRITE(IOUT,900) (GRADE(I),I=1,NG)                                 MOD15700
      DO 100 J = 1,J1                                                   MOD15710
      WRITE(IOUT,901) J,CON(J,16),(FOR(J,I),I=IS,IE)                    MOD15720
100   CONTINUE                                                          MOD15730
      WRITE(IOUT,902) CON(36,16),(FOR(36,I),I=IS,IE)                    MOD15740
C                                                                       MOD15750
900   FORMAT(1X,'YEAR',2X,'CNTRCT',5X,'TOTAL',10(6X,A3))                MOD15760
901   FORMAT(2X,I2,3X,F6.0,2X,F8.0,10(F9.0))                            MOD15770
902   FORMAT(//,1X,'TOTL',2X,F6.0,2X,F8.0,10(F9.0))                     MOD15780
C                                                                       MOD15790
      RETURN                                                            MOD15800
      END                                                               MOD15810
      SUBROUTINE SPRINT(SOR,J1,K1,IS,NG)                                MOD15820
C                                                                       MOD15830
C*********************************************************************  MOD15840
C*   USED TO PRINT OUT SOURCE SUBSTRUCTURES                            MOD15850
C*                                                          *          MOD15860
C*                                                          *          MOD15870
C*********************************************************************  MOD15880
      COMMON/PRINT/IOUT                                                 MOD15890
      REAL SOR(10,36,13)                                                MOD15900
      INTEGER GRADE(10)                                                 MOD15910
C                                                                       MOD15920
      DATA GRADE/'G 1','G 2','G 3','G 4','G 5','G 6','G 7',             MOD15930
     *           'G 8','G 9','G10'/                                     MOD15940
C                                                                       MOD15950
      IE = NG + IS                                                      MOD15960
      WRITE(IOUT,900) (GRADE(I),I=1,NG)                                 MOD15970
      DO 100 J = 1,J1                                                   MOD15980
      WRITE(IOUT,901) J,(SOR(K1,J,I),I=IS,IE)                           MOD15990
100   CONTINUE                                                          MOD16000
      WRITE(IOUT,902) (SOR(K1,36,I),I=IS,IE)                            MOD16010
C                                                                       MOD16020
900   FORMAT(1X,'YEAR',2X,5X,'TOTAL',10(6X,A3))                         MOD16030
901   FORMAT(2X,I2,3X,2X,F8.0,10(F9.0))                                 MOD16040
902   FORMAT(//,1X,'TOTL',2X,2X,F8.0,10(F9.0))                          MOD16050
C                                                                       MOD16060
      RETURN                                                            MOD16070
      END                                                               MOD16080
      SUBROUTINE CPRINT(CON,CAT,J1,K1,IS,NG)                            MOD16090
C                                                                       MOD16100
```

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C*************************************************************************      MOD16110
C*   USED TO DISPLAY CATEGORY SUBSTRUCTURES                                   *  MOD16120
C*                                                                            *  MOD16130
C*                                                                            *  MOD16140
C*************************************************************************      MOD16150
      COMMON/PRINT/IOUT                                                        MOD16160
      REAL CON(36,16),CAT(15,36,13)                                            MOD16170
      INTEGER GRADE(10)                                                        MOD16180
C                                                                              MOD16190
      DATA GRADE/'G 1','G 2','G 3','G 4','G 5','G 6','G 7',                    MOD16200
     *           'G 8','G 9','G10'/                                            MOD16210
C                                                                              MOD16220
      IE = NG + IS                                                             MOD16230
      WRITE(IOUT,900) (GRADE(I),I=1,NG)                                        MOD16240
      DO 100 J = 1,J1                                                          MOD16250
      WRITE(IOUT,901) J,CON(J,K1),(CAT(K1,J,I),I=IS,IE)                        MOD16260
100   CONTINUE                                                                 MOD16270
      WRITE(IOUT,902) CON(36,K1),(CAT(K1,36,I),I=IS,IE)                        MOD16280
C                                                                              MOD16290
900   FORMAT(1X,'YEAR',2X,'CNTRCT',5X,'TOTAL',10(6X,A3))                       MOD16300
901   FORMAT(2X,I2,3X,F6.0,2X,F8.0,10(F9.0))                                   MOD16310
902   FORMAT(//,1X,'TOTL',2X,F6.0,2X,F8.0,10(F9.0))                            MOD16320
C                                                                              MOD16330
      RETURN                                                                   MOD16340
      END                                                                      MOD16350
      SUBROUTINE RPRINT(RES,J1,NG)                                             MOD16360
C                                                                              MOD16370
C*************************************************************************      MOD16380
C*                                                                            *  MOD16390
C*                                                                            *  MOD16400
C*                                                                            *  MOD16410
C*************************************************************************      MOD16420
      COMMON/PRINT/IOUT                                                        MOD16430
      REAL RES (36,11)                                                         MOD16440
      INTEGER GRADE(10)                                                        MOD16450
C                                                                              MOD16460
      DATA GRADE/'G 1','G 2','G 3','G 4','G 5','G 6','G 7',                    MOD16470
     *           'G 8','G 9','G10'/                                            MOD16480
C                                                                              MOD16490
      WRITE(IOUT,900) (GRADE(I),I=1,NG)                                        MOD16500
      DO 100 J = 1,J1                                                          MOD16510
      WRITE(IOUT,901) J,RES(J,11),(RES(J,I),I=1,NG)                            MOD16520
100   CONTINUE                                                                 MOD16530
C                                                                              MOD16540
900   FORMAT(1X,'YEAR',2X,5X,'TOTAL',10(5X,A3))                                MOD16550
901   FORMAT(2X,I2,3X2X,F8.5,10(F8.5))                                         MOD16560
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C                                                                       MOD16570
      RETURN                                                            MOD16580
      END                                                               MOD16590
C                                                                       MOD16600
      SUBROUTINE HEADER(IO)                                             MOD16610
      COMMON/INFO/TITLE,NAMFIL,NAMTYP                                   MOD16620
      INTEGER TITLE(65),NAMFIL(2),NAMTYP(2),DATE(2),TIME(2)             MOD16630
C                                                                       MOD16640
      CALL QTIME(DATE,TIME)                                             MOD16650
      WRITE(IO,10) TITLE,NAMFIL,NAMTYP,DATE,TIME                        MOD16660
10    FORMAT(1H1,////,1X,128(1H*),/,1X,'*',29X,65A1,32X,'*',/,          MOD16670
     11X,'*',126X,'*',/,1X,'*','    FILENAME= ',2A4,3X,2A4,            MOD16680
     230X,'DATE= ',2A4,10X,'TIME= ',2A4,16X,'*',/,                      MOD16690
     31X,128(1H*),//)                                                   MOD16700
      RETURN                                                            MOD16710
      END                                                               MOD16720
      SUBROUTINE MDIST(GRDIST,GRDRAT,RESRAT,NCAT,NGRD)                  MOD16730
C                                                                       MOD16740
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  MOD16750
C      READS FORCE DATA AND                                             MOD16760
C      COMPUTES GRADE DISTRIBUTION ARRAY                                MOD16770
C                                                                       MOD16780
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  MOD16790
C                                                                       MOD16800
      COMMON/P/PRMOPP,GAINS                                             MOD16810
      DIMENSION TITL(65)                                                MOD16820
      DIMENSION RESRAT(35,15,10),PRMOPP(35,15,10),GAINS(35,15,10,2)     MOD16830
      DIMENSION DIST(10,36),GRDIST(36,11),GRDRAT(36,11)                 MOD16840
C                                                                       MOD16850
C  NOW CREATE INITIAL SURVIVOR ARRAY                                    MOD16860
C                                                                       MOD16870
500   DO 300 IGR=1,NGRD                                                 MOD16880
      DO 300 IYR=1,36                                                   MOD16890
      DIST(IGR,IYR)=0.0                                                 MOD16900
300   CONTINUE                                                          MOD16910
C                                                                       MOD16920
C****HERE IS SPECIAL PROCEDURE TO HANDLE ENTRY GAINS ACROSS GRADES****  MOD16930
C                                                                       MOD16940
      SUM=0.0                                                           MOD16950
      DO 400 KK=1,10                                                    MOD16960
      SUM=SUM+GAINS(1,NCAT,KK,1)                                        MOD16970
400   CONTINUE                                                          MOD16980
      DO 401 KK=1,10                                                    MOD16990
      DIST(KK,1)=GAINS(1,NCAT,KK,1)/SUM                                 MOD17000
401   CONTINUE                                                          MOD17010
C                                                                       MOD17020
```

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      DO 301 I=2,35                                                          MOD17030
      DO 302 IGR=1,10                                                        MOD17040
      DIST(IGR,I)=DIST(IGR,I-1)*RESRAT(I-1,NCAT,IGR)                         MOD17050
302   CONTINUE                                                               MOD17060
C                                                                            MOD17070
      DO 303 IGR=2,10                                                        MOD17080
      X=PRMOPP(I-1,NCAT,IGR-1)*DIST(IGR-1,I-1)                               MOD17090
      DIST(IGR,I)=DIST(IGR,I)+X                                              MOD17100
303   CONTINUE                                                               MOD17110
301   CONTINUE                                                               MOD17120
C                                                                            MOD17130
C  NOW COMPUTE GRADE DISTRIBUTION                                            MOD17140
C                                                                            MOD17150
      DO 700 IYR=1,35                                                        MOD17160
      SUM=0.0                                                                MOD17170
         DO 800 IGR=1,NGRD                                                   MOD17180
         SUM=SUM+DIST(IGR,IYR)                                               MOD17190
800      CONTINUE                                                            MOD17200
      IF(SUM.LE.0.0)GO TO 700                                                MOD17210
         DO 810 IGR=1,NGRD                                                   MOD17220
         GRDIST(IYR,IGR)=DIST(IGR,IYR)/SUM                                   MOD17230
810      CONTINUE                                                            MOD17240
700      CONTINUE                                                            MOD17250
C                                                                            MOD17260
C  PUT CONTINUATION RATES INTO GRDRAT ARRAY                                  MOD17270
C                                                                            MOD17280
      DO 900 IGR=1,NGRD                                                      MOD17290
      GRDRAT(1,IGR)=1.0                                                      MOD17300
900   CONTINUE                                                               MOD17310
      DO 910 IYR=2,36                                                        MOD17320
      GRDRAT(IYR,11)=0.0                                                     MOD17330
         DO 920 IGR=1,NGRD                                                   MOD17340
         GRDRAT(IYR,IGR)=RESRAT(IYR-1,NCAT,IGR)+PRMOPP(IYR-1,NCAT,IGR)      MOD17350
      IF(IGR.EQ.NGRD) GRDRAT(IYR,IGR)=RESRAT(IYR-1,NCAT,IGR)                 MOD17360
920      CONTINUE                                                            MOD17370
910   CONTINUE                                                               MOD17380
C                                                                            MOD17390
C  NOW DETERMINE WEIGHTED AVERAGE CONTINUATION                               MOD17400
C                                                                            MOD17410
      GRDRAT(1,11)=1.0                                                       MOD17420
      DO 950 IYR=2,36                                                        MOD17430
         DO 951 IGR=1,NGRD                                                   MOD17440
         GRDRAT(IYR,11)=GRDRAT(IYR,IGR)*GRDIST(IYR-1,IGR)+GRDRAT(IYR,11)    MOD17450
951      CONTINUE                                                            MOD17460
950      CONTINUE                                                            MOD17470
C                                                                            MOD17480
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      RETURN                                                            MOD17490
      END                                                               MOD17500
      SUBROUTINE MGDIST(RESRAT,NC,GSUM,CATG,IPS,NGRD)                   MOD17510
C                                                                       MOD17520
C*****************************************************************    MOD17530
C*    ROUTINE USED TO DISTRIBUTE GAINS OTHER THAN YOS 1          *     MOD17540
C*****************************************************************    MOD17550
C                                                                       MOD17560
      COMMON/P/PRMOPP,GAINS                                             MOD17570
      DIMENSION RESRAT(35,15,10),PRMOPP(35,15,10),GAINS(35,15,10,2)     MOD17580
      DIMENSION DIST(10,36),CATG(15,36,13)                              MOD17590
C                                                                       MOD17600
      DO 100 J=1,36                                                     MOD17610
      DO 100 K=1,13                                                     MOD17620
      CATG(NC,J,K)=0.0                                                  MOD17630
100   CONTINUE                                                          MOD17640
C                                                                       MOD17650
      DO 900 ITY=1,2                                                    MOD17660
      IF(ITY.EQ.1) IYST=2                                               MOD17670
      IF(ITY.EQ.2) IYST=1                                               MOD17680
      DO 1000 IG=1,10                                                   MOD17690
      DO 1001 IY=IYST,35                                                MOD17700
C                                                                       MOD17710
      DO 1002 I=1,10                                                    MOD17720
      DO 1002 J=1,36                                                    MOD17730
      DIST(I,J)=0.0                                                     MOD17740
1002  CONTINUE                                                          MOD17750
C                                                                       MOD17760
      IF(GAINS(IY,NC,IG,ITY).LE.0.0) GO TO 1001                         MOD17770
      DIST(IG,IY)=GAINS(IY,NC,IG,ITY)                                   MOD17780
      DO 2000 IYR=IY,35                                                 MOD17790
      DO 2001 IGR=IG,NGRD                                               MOD17800
      DIST(IGR,IYR+1)=DIST(IGR,IYR)*RESRAT(IYR,NC,IGR)                  MOD17810
      IF(IGR.EQ.1)GO TO 2001                                            MOD17820
      DIST(IGR,IYR+1)=DIST(IGR,IYR+1)+                                  MOD17830
     1                DIST(IGR-1,IYR)*PRMOPP(IYR,NC,IGR-1)             MOD17840
2001  CONTINUE                                                          MOD17850
2000  CONTINUE                                                          MOD17860
C                                                                       MOD17870
      DO 3000 J=1,36                                                    MOD17880
      DO 3000 K=1,NGRD                                                  MOD17890
      CATG(NC,J,K+3)=CATG(NC,J,K+3)+DIST(K,J)                           MOD17900
3000  CONTINUE                                                          MOD17910
C                                                                       MOD17920
1001  CONTINUE                                                          MOD17930
1000  CONTINUE                                                          MOD17940
```

```
900   CONTINUE                                                          MOD17950
C                                                                       MOD17960
C****** LETS FIND OUT HOW MANY ARE IN FORCE THROUGH OTHER GAINS *******  MOD17970
C                                                                       MOD17980
      GSUM = 0.0                                                        MOD17990
      DO 4000 K=1,NGRD                                                  MOD18000
      DO 4001 J=1,35                                                    MOD18010
      CATG(NC,J,3)=CATG(NC,J,K+3)+CATG(NC,J,3)                          MOD18020
      CATG(NC,36,K+3)=CATG(NC,36,K+3)+CATG(NC,J,K+3)                    MOD18030
4001  CONTINUE                                                          MOD18040
      CATG(NC,36,3)=CATG(NC,36,3)+CATG(NC,36,K+3)                       MOD18050
4000  CONTINUE                                                          MOD18060
      GSUM=CATG(NC,36,3)                                                MOD18070
C                                                                       MOD18080
C ***** SUM WILL BE SUBTRACTED FROM DESIRED CAT STRENGTH BACK IN MODEL ***MOD18090
C                                                                       MOD18100
      IF(IPS.GT.0)CALL CPRINT(CATG,CATG,35,NC,3,9)                      MOD18110
      RETURN                                                            MOD18120
      END                                                               MOD18130
```

```
&CONTROL OFF
&ERROR &GOTO -ERREXIT
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 46 DISK DCE00XX  SUBSTRUC A4
FILEDEF 48 DISK DCE00XX  LRATES A4
FILEDEF 49 DISK DCE00XX  GRATES A4
QREPORT
&EXIT
-ERREXIT
 &TYPE    ERROR IN RUNNING REPORT PROGRAM
 &EXIT
```

```
FILE: BATCHRPT EXEC      A                VM/SP CONVERSATIONAL MON1TOR SYSTEM
PAGE 001


&CONTROL OFF
&ERROR &GOTO -ERR
CLRSCRN
*-----------------------------------------------------
*ENTER RUNS YOU WANT TO MAKE "EXEC REPORT2 FN1"
*WHERE FN1=FILENAME OF FORCE STRUCTURE DATA
*-----------------------------------------------------
EXEC REPORT2 ACE09CAT
EXEC REPORT2 NCE09CAT
&GOTO -DONE
-ERR
 &TYPE ERROR IN RUNNING REPORT PROGRAM -- CONTACT MODEL MANAGER
 &EXIT
-DONE
 &EXIT
```

```
&CONTROL OFF
&ERROR &GOTO -ERREXIT3
CLRSCRN
&FN1 = &1
-REPORT CLRSCRN
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 46 DISK &FN1 SUBSTRUC A4
FILEDEF 48 DISK &FN1 LRATES A4
FILEDEF 49 DISK &FN1 GRATES A4
&STACK 1
&STACK 1
REPORT
&GOTO -DONE
-ERREXIT3
 &TYPE    ERROR IN RUNNING REPORT PROGRAM
 &EXIT
-DONE
 &EXIT
```

```
      COMMON SUBCAT,FLOSS,TLOSS,NAMCAT,TGL,NCAT                          MLO00010
      DIMENSION FLOSS(35,12,10,15),SUBCAT(15,36,13)                      MLO00020
      REAL*8 TLOSS(36,13,16),TGL(11,10,16)                               MLO00030
      COMMON/INFO/ TITLE,NAMFIL,NAMTYP                                   MLO00040
      COMMON/GAIN/PRMOPP(35,15,10),GAINS(35,15,10,2),TGAINS(36,11,2)     MLO00050
       COMMON/PM/PROM(36,16,11)                                          MLO00060
      DIMENSION ATTRIT(35,10,12)                                         MLO00070
      DIMENSION EXLIFD(35,3),EXLIFN(35,3),RET(6)                         MLO00080
      INTEGER TTL,TITLE(65),NAMFIL(2),NAMTYP(2),NAMCAT(15,2)             MLO00090
      DATA TTL/'TOTL'/                                                   MLO00100
C                                                                        MLO00110
      DATA EXLIFD/                                                       MLO00120
C DATA ENTERED AS DIS-OFF,DIS-WAR,DIS-ENL,NDIS-OFF,NDIS-WAR,NDIS-ENL    MLO00130
     *52.01,51.09,50.17,49.25,48.33,47.40,46.48,45.55,44.63,43.76,       MLO00140
     *42.77,41.83,40.90,39.97,39.05,38.13,37.21,36.29,35.37,34.46,       MLO00150
     *33.54,32.64,31.73,30.84,29.95,29.06,28.19,27.32,26.45,25.50,       MLO00160
     *24.75,23.92,23.09,22.27,21.46,                                     MLO00170
C                                                                        MLO00180
     *54.75,53.84,52.92,52.01,51.09,50.17,49.25,48.33,47.40,46.48,       MLO00190
     *45.55,44.63,43.70,42.77,41.83,40.90,39.97,39.05,38.13,37.21,       MLO00200
     *36.29,35.37,34.46,33.54,32.64,31.73,30.84,29.95,29.06,28.19,       MLO00210
     *27.32,26.45,25.60,24.75,23.92,                                     MLO00220
C                                                                        MLO00230
     *51.55,50.68,49.82,48.95,49.09,47.21,46.31,45.47,44.59,43.71,       MLO00240
     *42.82,41.94,41.05,40.16,39.27,38.37,37.47,36.57,35.67,34.77,       MLO00250
     *33.86,32.95,32.04,31.14,30.24,29.34,28.46,27.59,26.73,25.88,       MLO00260
     *25.04,24.22,23.41,22.62,21.86/                                     MLO00270
C                                                                        MLO00280
      DATA EXLIFN/                                                       MLO00290
C                                                                        MLO00300
     *20*34.46,                                                          MLO00310
     *33.54,32.64,31.73,30.84,29.95,29.06,28.19,27.32,26.45,25.60,       MLO00320
     *24.75,23.92,23.09,22.27,21.46,                                     MLO00330
C                                                                        MLO00340
     *20*37.21,                                                          MLO00350
     *36.29,35.37,34.46,33.54,32.64,31.73,30.84,29.95,29.06,28.19,       MLO00360
     *27.32,26.45,25.60,24.75,23.92,                                     MLO00370
C                                                                        MLO00380
     *20*34.77,                                                          MLO00390
     *33.86,32.95,32.04,31.14,30.24,29.34,28.46,27.59,26.73,25.88,       MLO00400
     *25.04,24.22,23.41,22.62,21.86/                                     MLO00410
C                                                                        MLO00420
C ---READ OUTPUT FROM QRMC MODEL---                                      MLO00430
C                                                                        MLO00440
      READ(49) PRMOPP                                                    MLO00450
      READ(49) PRMOPP                                                    MLO00460
```

```
      READ(49) GAINS                                                    ML000470
C                                                                       ML000480
      READ(46) NGRD,NCAT,NAMCAT,TITLE,NAMFIL,NAMTYP                     ML000490
      READ(46) SUBCAT                                                   ML000500
25    CALL DISPCL                                                       ML000510
      WRITE(6,30) NGRD                                                  ML000520
30    FORMAT(20X,'**************************************************',/,  ML000530
     1    I2,18X,'*       QRMC REPORT GENERATOR                *',/,   ML000540
     2       20X,'*                                            *',/,   ML000550
     3       20X,'*  REPORT OPTIONS :   1=TOTAL FORCE ONLY  *',/,      ML000560
     4       20X,'*                     2=DETAIL DISPLAYS   *',/,      ML000570
     5       20X,'**************************************************',/,  ML000580
     61X,'ENTER YOUR CHOICE')                                           ML000590
      READ(5,*) ICH                                                     ML000600
      IF(ICH.LT.1.OR.ICH.GT.3)GO TO 25                                  ML000610
49    WRITE(6,50)                                                       ML000620
50    FORMAT(1X,'OUTPUT TO PRINTER(1) OR TERMINAL(0)?')                 ML000630
      READ(5,*) IOUT                                                    ML000640
      IF(IOUT.LT.0.OR.IOUT.GT.1)GO TO 49                                ML000650
      IOUT=6-(IOUT*4)                                                   ML000660
C                                                                       ML000670
      CALL DISPCL                                                       ML000680
      WRITE(6,35)                                                       ML000690
35    FORMAT(1X,'*** THIS MAY TAKE A FEW SECONDS--- HANG TIGHT ***')    ML000700
      IF(ICH.EQ.1) GO TO 40                                             ML000710
      IPAGES=NCAT*3+4                                                   ML000720
      TIME=(IPAGES*25.0)/60.0                                           ML000730
      WRITE(6,36) IPAGES,TIME                                           ML000740
36    FORMAT(/,1X,'EXPECTED OUTPUT =',I6,' PAGES',/,                    ML000750
     1         1X,'ESTIMATED PRINT TIME =',F7.2,' MINUTES')             ML000760
C                                                                       ML000770
C*********************************************************************  ML000780
C*  PERFORM INITIAL HOUSEKEEPING NEEDED FOR REPORTS                  *  ML000790
C*********************************************************************  ML000800
C                                                                       ML000810
C *** CREATE LOSS ARRAY *****                                          ML000820
C                                                                       ML000830
40    DO 110 I=1,NCAT                                                   ML000840
      READ(48) ATTRIT                                                   ML000850
      DO 108 IG=1,NGRD                                                  ML000860
      DO 106 IY=1,35                                                    ML000870
       PROM(IY,I,IG)=SUBCAT(I,IY,IG+3)*PRMOPP(IY,I,IG)                  ML000880
      DO 104 K=1,12                                                     ML000890
      FLOSS(IY,K,IG,I)=ATTRIT(IY,IG,K)*SUBCAT(I,IY,IG+3)                ML000900
104   CONTINUE                                                          ML000910
106   CONTINUE                                                          ML000920
```

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108   CONTINUE                                                          MLO00930
110   CONTINUE                                                          MLO00940
C                                                                       MLO00950
C *** NOW COLLECT SUMS ********                                         MLO00960
C                                                                       MLO00970
      DO 300 IC=1,15                                                    MLO00980
      DO 302 IG=1,10                                                    MLO00990
      DO 304 IY=1,35                                                    MLO01000
       PROM(36,IC,IG)=PROM(36,IC,IG)+PROM(IY,IC,IG)                     MLO01010
       PROM(36,16,IG)=PROM(36,16,IG)+PROM(IY,IC,IG)                     MLO01020
       PROM(36,16,11)=PROM(36,16,11)+PROM(IY,IC,IG)                     MLO01030
       PROM(IY,16,IG)=PROM(IY,16,IG)+PROM(IY,IC,IG)                     MLO01040
       PROM(IY,16,11)=PROM(IY,16,11)+PROM(IY,IC,IG)                     MLO01050
       PROM(IY,IC,11)=PROM(IY,IC,11)+PROM(IY,IC,IG)                     MLO01060
       PROM(36,IC,11)=PROM(36,IC,11)+PROM(IY,IC,IG)                     MLO01070
      DO 306 IT=1,12                                                    MLO01080
      TLOSS(IY,IT,IC)=TLOSS(IY,IT,IC)+FLOSS(IY,IT,IG,IC)                MLO01090
306   CONTINUE                                                          MLO01100
304   CONTINUE                                                          MLO01110
302   CONTINUE                                                          MLO01120
300   CONTINUE                                                          MLO01130
C                                                                       MLO01140
      DO 320 IY=1,35                                                    MLO01150
      DO 320 IT=1,11                                                    MLO01160
      DO 320 IG=1,NGRD                                                  MLO01170
      DO 320 IC=1,NCAT                                                  MLO01180
      TGL(IT,IG,IC)=FLOSS(IY,IT,IG,IC)+TGL(IT,IG,IC)                    MLO01190
      TGL(IT,IG,16)=TGL(IT,IG,16)+FLOSS(IY,IT,IG,IC)                    MLO01200
320   CONTINUE                                                          MLO01210
      DO 400 IC=1,15                                                    MLO01220
      DO 400 IY=1,35                                                    MLO01230
      DO 400 IT=1,12                                                    MLO01240
      TLOSS(36,13,16)=TLOSS(36,13,16)+TLOSS(IY,IT,IC)                   MLO01250
      TLOSS(36,IT,16)=TLOSS(36,IT,16)+TLOSS(IY,IT,IC)                   MLO01260
      TLOSS(36,IT,IC)=TLOSS(36,IT,IC)+TLOSS(IY,IT,IC)                   MLO01270
      TLOSS(36,13,IC)=TLOSS(36,13,IC)+TLOSS(IY,IT,IC)                   MLO01280
      TLOSS(IY,13,IC)=TLOSS(IY,13,IC)+TLOSS(IY,IT,IC)                   MLO01290
      TLOSS(IY,13,16)=TLOSS(IY,13,16)+TLOSS(IY,IT,IC)                   MLO01300
      TLOSS(IY,IT,16)=TLOSS(IY,IT,16)+TLOSS(IY,IT,IC)                   MLO01310
400   CONTINUE                                                          MLO01320
C*************************************************************************MLO01330
C*  FINISHED WITH SETUP --- NOW CREATE REPORTS                         *  MLO01340
C*************************************************************************MLO01350
C                                                                       MLO01360
      ICX=ICH                                                           MLO01370
      IF(ICH.EQ.3)ICX=2                                                 MLO01380
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```
      IEND=(ICX-1)*NCAT+1                                                MLO01390
      DO 2000 INC=1,IEND                                                 MLO01400
C                                                                        MLO01410
C*******GENERATE FORCE REPORT*****************                           MLO01420
C                                                                        MLO01430
      IF(ICH.EQ.3)GO TO 800                                              MLO01440
      CALL HEADER(IOUT)                                                  MLO01450
800   CALL REPORT(IOUT,INC,NGRD,ICH)                                     MLO01460
C                                                                        MLO01470
C*******GENERATE LOSS REPORT*************                                MLO01480
C                                                                        MLO01490
      IF(ICH.EQ.3)GO TO 801                                              MLO01500
      CALL HEADER(IOUT)                                                  MLO01510
801   IF(INC.EQ.1) WRITE(IOUT,201)                                       MLO01520
      IF(INC.GT.1) WRITE(IOUT,202) NAMCAT(INC-1,1)                       MLO01530
201   FORMAT(1X,52(1H*),' TOTAL FORCE LOSS DISPLAY ',52(1H*),//)         MLO01540
202   FORMAT(1X,50(1H*),' CATEGORY= ',A4,' LOSS DISPLAY ',50(1H*),//)    MLO01550
      WRITE(IOUT,206)                                                    MLO01560
206   FORMAT(' YR   XFROTH  XFROFF  DEATH   RETDIS  RET FC  RETVOL',     MLO01570
     2' RETINV  OTHDIS  OTH FC  OTHVOL  OTHINV  PROMOUT  TOTALS')        MLO01580
      IF(INC.EQ.1) ICT=16                                                MLO01590
      IF(INC.GT.1) ICT=INC-1                                             MLO01600
      DO 500 IY=1,35                                                     MLO01610
      IF(INC.EQ.1) REM=TLOSS(IY,13,ICT)-TLOSS(IY,1,ICT)                  MLO01620
      IF(INC.GT.1) REM=TLOSS(IY,13,ICT)                                  MLO01630
       IF(ICH.EQ.3) GO TO 804                                            MLO01640
      WRITE(IOUT,207) IY,(TLOSS(IY,J,ICT),J=1,12),REM                    MLO01650
207   FORMAT(1X,I2,1X,13F8.0)                                            MLO01660
500   CONTINUE                                                           MLO01670
804   IF(INC.EQ.1) REM=TLOSS(36,13,ICT)-TLOSS(36,1,ICT)                  MLO01680
      IF(INC.GT.1) REM=TLOSS(36,13,ICT)                                  MLO01690
      WRITE(IOUT,208) (TLOSS(36,J,ICT),J=1,12),REM                       MLO01700
208   FORMAT(//,4X,13F8.0)                                               MLO01710
C                                                                        MLO01720
C  CALCULATE RETIREMENT POPULATIONS                                      MLO01730
C                                                                        MLO01740
      IF(NGRD.LE.4) IR=2                                                 MLO01750
      IF(NGRD.GT.4.AND.NGRD.LT.9) IR=1                                   MLO01760
      IF(NGRD.GE.9) IR=3                                                 MLO01770
C                                                                        MLO01780
      DO 3000 I=1,6                                                      MLO01790
      RET(I)=0.0                                                         MLO01800
3000  CONTINUE                                                           MLO01810
C                                                                        MLO01820
      DO 3001 IY=1,35                                                    MLO01830
      RET(1)=RET(1)+TLOSS(IY,4,ICT)*EXLIFD(IY,IR)                        MLO01840
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      RET(2)=RET(2)+TLOSS(IY,5,ICT)*EXLIFN(IY,IR)                          MLO01850
      RET(3)=RET(3)+TLOSS(IY,6,ICT)*EXLIFN(IY,IR)                          MLO01860
      RET(4)=RET(4)+TLOSS(IY,7,ICT)*EXLIFN(IY,IR)                          MLO01870
3001  CONTINUE                                                             MLO01880
      RET(5)=RET(1)+RET(2)+RET(3)+RET(4)                                   MLO01890
      RET(6)=RET(5)-RET(1)                                                 MLO01900
C                                                                          MLO01910
      WRITE(IOUT,3003) (RET(J),J=1,6)                                      MLO01920
3003  FORMAT(//,1X,'RETIRED POPULATION',9X,4F8.0,40X,F8.0,/,               MLO01930
     *          36X,'I----(  ',F8.0,'  )----I')                            MLO01940
      IF(INC.GT.1)GO TO 1900                                               MLO01950
       IF(ICH.EQ.3) GO TO 802                                              MLO01960
      CALL HEADER(IOUT)                                                    MLO01970
802   WRITE(IOUT,600)                                                      MLO01980
600   FORMAT(1X,1X,50(1H*),' TOTAL FORCE XFROTH DISPLAY ',50(1H*),//)      MLO01990
      WRITE(IOUT,602) (NAMCAT(IC,1),IC=1,NCAT),TTL                         MLO02000
602   FORMAT(1X,'YOS   ',16(3X,A4),//)                                     MLO02010
       IF(ICH.EQ.3) GO TO 805                                              MLO02020
      DO 603 IY=1,35                                                       MLO02030
      WRITE(IOUT,604) IY,(TLOSS(IY,1,I),I=1,NCAT),TLOSS(IY,1,16)           MLO02040
604   FORMAT(1X,I3,3X,16F7.0)                                              MLO02050
603   CONTINUE                                                             MLO02060
805   WRITE(IOUT,610) (TLOSS(36,1,I),I=1,NCAT),TLOSS(36,1,16)              MLO02070
610   FORMAT(//,1X,'TOTAL',1X,16F7.0)                                      MLO02080
C                                                                          MLO02090
1900  CALL HEADER(IOUT)                                                    MLO02100
      CALL FLOW(IOUT,INC,NGRD,ICH)                                         MLO02110
C                                                                          MLO02120
2000  CONTINUE                                                             MLO02130
       STOP                                                                MLO02140
       END                                                                 MLO02150
C                                                                          MLO02160
      SUBROUTINE REPORT(IO,INC,NGRD,ICH)                                   MLO02170
C                                                                          MLO02180
      COMMON SUBCAT,FLOSS,TLOSS,NAMCAT,TGL,NCAT                            MLO02190
      DIMENSION FLOSS(35,12,10,15),SUBCAT(15,36,13)                        MLO02200
      DIMENSION AYOS(11),PROD(11),PINDX(35)                                MLO02210
      REAL*8 TLOSS(36,13,16),TGL(11,10,16)                                 MLO02220
      INTEGER NAMCAT(15,2)                                                 MLO02230
      COMMON/GAIN/PRMOPP(35,15,10),GAINS(35,15,10,2),TGAINS(36,11,2)       MLO02240
      COMMON/FOR/FORCE(36,14)                                              MLO02250
C                                                                          MLO02260
      DATA PINDX/0.0,0.25,0.5,0.75,31*1.0/                                 MLO02270
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  MLO02280
C                                                                     C    MLO02290
C  FORCE(*,1)=G1 FORCE(*,10)=G10 FORCE(*,11)=TOT                      C    MLO02300
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C  FORCE(*,12)=LOSS RATE FORCE(*,13)=RET RATE                    C          ML002310
C  FORCE(*,14)=CONT RATE                                         C          ML002320
C                                                                C          ML002330
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  ML002340
C                                                                          ML002350
      DO 100 IY=1,36                                                       ML002360
      DO 100 IT=1,14                                                       ML002370
      FORCE(IY,IT)=0.0                                                     ML002380
      IF(IT.GT.11) GO TO 100                                               ML002390
      TGAINS(IY,IT,1)=0.0                                                  ML002400
      TGAINS(IY,IT,2)=0.0                                                  ML002410
100   CONTINUE                                                             ML002420
C                                                                          ML002430
      IF(INC.GT.1)GO TO 211                                                ML002440
C                                                                          ML002450
C  SUM UP ALL CATEGORIES                                                   ML002460
C                                                                          ML002470
      DO 200 NG=1,NGRD                                                     ML002480
      DO 200 IY=1,35                                                       ML002490
      DO 200 IC=1,NCAT                                                     ML002500
      FORCE(IY,NG)=FORCE(IY,NG)+SUBCAT(IC,IY,NG+3)                         ML002510
      IF(IY.EQ.1)GO TO 199                                                 ML002520
      TGAINS(IY,NG,1)=TGAINS(IY,NG,1)+GAINS(IY,IC,NG,1)                    ML002530
199   TGAINS(IY,NG,2)=TGAINS(IY,NG,2)+GAINS(IY,IC,NG,2)                    ML002540
200   CONTINUE                                                             ML002550
      DO 201 NG=1,NGRD                                                     ML002560
      DO 201 IC=1,NCAT                                                     ML002570
      TGAINS(1,NG,1)=SUBCAT(IC,1,NG+3)-GAINS(1,IC,NG,2)+TGAINS(1,NG,1)     ML002580
201   CONTINUE                                                             ML002590
      DO 210 IY=1,35                                                       ML002600
      DO 210 IC=1,NGRD                                                     ML002610
      FORCE(36,IC)=FORCE(36,IC)+FORCE(IY,IC)                               ML002620
      FORCE(IY,11)=FORCE(IY,11)+FORCE(IY,IC)                               ML002630
      FORCE(36,11)=FORCE(36,11)+FORCE(IY,IC)                               ML002640
      TGAINS(36,IC,1)=TGAINS(36,IC,1)+TGAINS(IY,IC,1)                      ML002650
      TGAINS(36,IC,2)=TGAINS(36,IC,2)+TGAINS(IY,IC,2)                      ML002660
      TGAINS(IY,11,1)=TGAINS(IY,11,1)+TGAINS(IY,IC,1)                      ML002670
      TGAINS(IY,11,2)=TGAINS(IY,11,2)+TGAINS(IY,IC,2)                      ML002680
      TGAINS(36,11,1)=TGAINS(36,11,1)+TGAINS(IY,IC,1)                      ML002690
      TGAINS(36,11,2)=TGAINS(36,11,2)+TGAINS(IY,IC,2)                      ML002700
210   CONTINUE                                                             ML002710
      GO TO 219                                                            ML002720
C                                                                          ML002730
C --THIS SECTION FOR INDIVIDUAL CATEGORIES--                               ML002740
C                                                                          ML002750
211   DO 212 IY=1,36                                                       ML002760
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      DO 213 IG=1,NGRD                                                  MLO02770
      FORCE(IY,IG)=SUBCAT(INC-1,IY,IG+3)                                MLO02780
      FORCE(IY,11)=FORCE(IY,11)+SUBCAT(INC-1,IY,IG+3)                   MLO02790
213   CONTINUE                                                          MLO02800
212   CONTINUE                                                          MLO02810
      DO 214 IY=1,35                                                    MLO02820
      DO 214 IG=1,NGRD                                                  MLO02830
      DO 214 IT=1,2                                                     MLO02840
      IF(IY.EQ.1.AND.IT.EQ.1)GO TO 214                                  MLO02850
      TGAINS(IY,IG,IT)=TGAINS(IY,IG,IT)+GAINS(IY,INC-1,IG,IT)           MLO02860
      TGAINS(36,IG,IT)=TGAINS(36,IG,IT)+GAINS(IY,INC-1,IG,IT)           MLO02870
      TGAINS(IY,11,IT)=TGAINS(IY,11,IT)+GAINS(IY,INC-1,IG,IT)           MLO02880
      TGAINS(36,11,IT)=TGAINS(36,11,IT)+GAINS(IY,INC-1,IG,IT)           MLO02890
214   CONTINUE                                                          MLO02900
      DO 216 IG=1,NGRD                                                  MLO02910
      TGAINS(1,IG,1)=SUBCAT(INC-1,1,IG+3)-TGAINS(1,IG,2)                MLO02920
      TGAINS(1,11,1)=TGAINS(1,11,1)+TGAINS(1,IG,1)                      MLO02930
      TGAINS(36,IG,1)=TGAINS(36,IG,1)+TGAINS(1,IG,1)                    MLO02940
216   CONTINUE                                                          MLO02950
      TGAINS(36,11,1)=TGAINS(36,11,1)+TGAINS(1,11,1)                    MLO02960
C                                                                       MLO02970
C  NOW COMPUTE STATS                                                    MLO02980
C                                                                       MLO02990
219   DO 220 IY=1,35                                                    MLO03000
      IF(INC.EQ.1) RLOSS=TLOSS(IY,13,16)-TLOSS(IY,1,16)                 MLO03010
      IF(INC.GT.1) RLOSS=TLOSS(IY,13,INC-1)                             MLO03020
      IF(FORCE(IY,11).LE.0.0)GO TO 215                                  MLO03030
      FORCE(IY,12)=RLOSS/FORCE(IY,11)                                   MLO03040
215   FORCE(IY,13)=1.0-FORCE(IY,12)                                     MLO03050
220   CONTINUE                                                          MLO03060
      FORCE(1,14)=1.0                                                   MLO03070
      DO 230 IY=2,35                                                    MLO03080
      FORCE(IY,14)=FORCE(IY-1,14)*FORCE(IY-1,13)                        MLO03090
      IF(FORCE(IY-1,11).LE.0.0.AND.FORCE(IY-1,14).EQ.1.0)               MLO03100
     1        FORCE(IY-1,14)=0.0                                        MLO03110
230   CONTINUE                                                          MLO03120
C                                                                       MLO03130
C PRINT OUT THE MATRIX                                                  MLO03140
C                                                                       MLO03150
      IF(INC.GT.1) WRITE(IO,898) NAMCAT(INC-1,1)                        MLO03160
898   FORMAT(1X,50(1H*),'CATEGORY= ',A4,' FORCE DISPLAY',50(1H*),//)    MLO03170
      IF(INC.EQ.1) WRITE(IO,899)                                        MLO03180
899   FORMAT(1X,54(1H*),' TOTAL FORCE DISPLAY ',54(1H*),//)             MLO03190
      WRITE(IO,900)                                                     MLO03200
900   FORMAT(1X,'YOS',3X,'G:TO ',2X,'G:OTH ',2X,'GRD-1 ',               MLO03210
     12X,'GRD-2 ',2X,'GRD-3',2X,'GRD-4  GRD-5  GRD-6 ',1X,'GRD-7 ',     MLO03220
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     2'GRD-8 GRD-9 GRD10',4X,'TOTAL ','LOSSES ',2X,'LOSS   RETN ',      MLO03230
     3'   CONT',/)                                                      MLO03240
        IF(ICH.EQ.3) GO TO 800                                          MLO03250
      DO 300 IY=1,35                                                    MLO03260
      IF(INC.EQ.1)  REM=TLOSS(IY,13,16)-TLOSS(1Y,1,16)                  MLO03270
      IF(INC.GT.1)  REM=TLOSS(IY,13,INC-1)                              MLO03280
      WRITE(IO,901) IY,(TGAINS(IY,11,JJ),JJ=1,2),(FORCE(IY,J),J=1,11),  MLO03290
     1REM,(FORCE(IY,J),J=12,14)                                         MLO03300
901   FORMAT(1X,I3,2F8.0,3F8.0,4F7.0,3F6.0,F9.0,F7.0,2F7.4,F8.4)        MLO03310
300   CONTINUE                                                          MLO03320
800   IF(INC.EQ.1) REM=TLOSS(36,13,16)-TLOSS(36,1,16)                   MLO03330
      IF(INC.GT.1) REM=TLOSS(36,13,INC-1)                               MLO03340
      FREM=REM/FORCE(36,11)                                             MLO03350
      RMST=FORCE(36,11)/REM                                             MLO03360
      RREM=1.0-FREM                                                     MLO03370
      WRITE(IO,902) TGAINS(36,11,1),TGAINS(36,11,2),                    MLO03380
     1 (FORCE(36,J),J=1,11),REM,FREM,RREM,RMST                          MLO03390
902   FORMAT(//,1X,'TOT',2F8.0,3F8.0,4F7.0,3F6.0,F9.0,F7.0,2F7.4,F8.4)  MLO03400
C                                                                       MLO03410
      DO 910 J=1,11                                                     MLO03420
      AYOS(J)=0.0                                                       MLO03430
      PROD(J)=0.0                                                       MLO03440
910   CONTINUE                                                          MLO03450
C                                                                       MLO03460
      DO 920 J=1,11                                                     MLO03470
      DO 930 IY=1,35                                                    MLO03480
      X=IY-.5                                                           MLO03490
      AYOS(J)=AYOS(J)+X*FORCE(IY,J)                                     MLO03500
930   CONTINUE                                                          MLO03510
      IF(AYOS(J).LE.0.0)GO TO 920                                       MLO03520
      AYOS(J)=AYOS(J)/FORCE(36,J)                                       MLO03530
920   CONTINUE                                                          MLO03540
C                                                                       MLO03550
      DO 940 J=1,11                                                     MLO03560
      DO 950 IY=1,35                                                    MLO03570
      PROD(J)=PROD(J)+PINDX(IY)*FORCE(IY,J)                             MLO03580
950   CONTINUE                                                          MLO03590
940   CONTINUE                                                          MLO03600
C                                                                       MLO03610
      WRITE(IO,903) (AYOS(J),J=1,11),(PROD(J),J=1,11)                   MLO03620
903   FORMAT(/,1X,'AVERAGE  YOS',7X,3F8.2,4F7.2,3F6.2,F9.2,             MLO03630
     *       /,1X,'PRODUCTIVITY',7X,3F8.0,4F7.0,3F6.0,F9.0)             MLO03640
C                                                                       MLO03650
C                                                                       MLO03660
      RETURN                                                            MLO03670
C                                                                       MLO03680
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```
      END                                                                    MLO03690
C                                                                            MLO03700
       SUBROUTINE FLOW(IO,INC,NGRD,ICH)                                      MLO03710
C                                                                            MLO03720
       COMMON SUBCAT,FLOSS,TLOSS,NAMCAT,TGL,NCAT                             MLO03730
       DIMENSION FLOSS(35,12,10,15),SUBCAT(15,36,13)                         MLO03740
       REAL*8 TLOSS(36,13,16),TGL(11,10,16)                                  MLO03750
       INTEGER NAMCAT(15,2)                                                  MLO03760
       COMMON/GAIN/PRMOPP(35,15,10),GAINS(35,15,10,2),TGAINS(36,11,2)        MLO03770
       COMMON/FOR/FORCE(36,14)                                               MLO03780
       COMMON/PM/PROM(36,16,11)                                              MLO03790
C                                                                            MLO03800
      INTEGER ID(4,20)                                                       MLO03810
       DIMENSION FLOW(20,11)                                                 MLO03820
C                                                                            MLO03830
      DATA ID /'BEGI','N ST','RENG','TH  ',                                  MLO03840
     1 '    ','PROM','-OUT','    ','    ','LOSS',':XFR','-OTH',             MLO03850
     2 '    ','LOSS',':XFR','-OFF','    ','LOSS',':DEA','TH  ',             MLO03860
     3 '    ','LOSS',':RET','-DIS','    ','LOSS',':RET','-FC ',             MLO03870
     4 '    ','LOSS',':RET','-VOL','    ','LOSS',':RET','-INV',             MLO03880
     5 '    ','LOSS',':OTH','-DIS','    ','LOSS',':OTH','-FC ',             MLO03890
     6 '    ','LOSS',':OTH','-VOL','    ','LOSS',':OTH','-INV',             MLO03900
     7 'TOTA','L LO','SSES','    ','    ',                                   MLO03910
     8 '    ','GAIN','S TO','    ','    ','GAIN','S OT','HER ',             MLO03920
     9 '    ','PROM','-IN ','    ','TOTA','L GA','INS ','    ',             MLO03930
     9  END ','STRE','NGTH','    ','    ','    ','    ','    '/             MLO03940
C*************************************************************************** MLO03950
C                                                                            MLO03960
      DO 10 I=1,20                                                           MLO03970
      DO 10 J=1,11                                                           MLO03980
      FLOW(I,J)=0.0                                                          MLO03990
10    CONTINUE                                                               MLO04000
C                                                                            MLO04010
C                                                                            MLO04020
      IF(INC.EQ.1)ICT=16                                                     MLO04030
      IF(INC.GT.1) ICT=INC-1                                                 MLO04040
C                                                                            MLO04050
      DO 100 IG=1,NGRD                                                       MLO04060
      FLOW(1,IG)=FORCE(36,IG)                                                MLO04070
      FLOW(1,11)=FLOW(1,IG)+FLOW(1,11)                                       MLO04080
      FLOW(2,IG)=PROM(36,ICT,IG)                                             MLO04090
      FLOW(2,11)=FLOW(2,IG)+FLOW(2,11)                                       MLO04100
         DO 110 IT=1,11                                                      MLO04110
         FLOW(IT+2,IG)=TGL(IT,IG,ICT)                                        MLO04120
         FLOW(IT+2,11)=FLOW(IT+2,IG)+FLOW(IT+2,11)                           MLO04130
110      CONTINUE                                                            MLO04140
```

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      DO 120 IT=2,13                                                    ML004150
      FLOW(14,IG)=FLOW(IT,IG)+FLOW(14,IG)                               ML004160
120   CONTINUE                                                          ML004170
      FLOW(14,11)=FLOW(14,IG)+FLOW(14,11)                               ML004180
      FLOW(15,IG)=TGAINS(36,IG,1)                                       ML004190
      FLOW(15,11)=FLOW(15,IG)+FLOW(15,11)                               ML004200
      FLOW(16,IG)=TGAINS(36,IG,2)                                       ML004210
      FLOW(16,11)=FLOW(16,IG)+FLOW(16,11)                               ML004220
      IF(IG.EQ.1)GO TO 125                                              ML004230
      FLOW(17,IG)=PROM(36,ICT,IG-1)                                     ML004240
      FLOW(17,11)=FLOW(17,IG)+FLOW(17,11)                               ML004250
125   DO 130 IT=15,17                                                   ML004260
      FLOW(18,IG)=FLOW(IT,IG)+FLOW(18,IG)                               ML004270
130   CONTINUE                                                          ML004280
      FLOW(18,11)=FLOW(18,IG)+FLOW(18,11)                               ML004290
      FLOW(19,IG)=FLOW(1,IG)-FLOW(14,IG)+FLOW(18,IG)                    ML004300
100   CONTINUE                                                          ML004310
      FLOW(19,11)=FLOW(1,11)-FLOW(14,11)+FLOW(18,11)                    ML004320
C                                                                       ML004330
      IF(ICT.LT.16) WRITE(IO,301) NAMCAT(ICT,1)                         ML004340
      IF(ICT.EQ.16) WRITE(IO,302)                                       ML004350
301   FORMAT(1X,39(1H*),                                                ML004360
     1' FLOW RECONCILIATION          CATEGORY= ',A4,4X,43(1H*),/)        ML004370
302   FORMAT(1X,39(1H*),                                                ML004380
     1' FLOW RECONCILIATION          CATEGORY= TOTAL FORCE ',           ML004390
     239(1H*),/)                                                        ML004400
C                                                                       ML004410
      WRITE(IO,303)                                                     ML004420
303   FORMAT(17X,' GRADE-1  GRADE-2  GRADE-3  GRADE-4  GRADE-5 ',       ML004430
     1' GRADE-6  GRADE-7  GRADE-8  GRADE-9  GRADE-10   TOTAL',/)        ML004440
C                                                                       ML004450
      WRITE(IO,304) (ID(K,1),K=1,4),(FLOW(1,K),K=1,11)                  ML004460
304   FORMAT(1X,4A4,11F9.0)                                             ML004470
      WRITE(IO,305)                                                     ML004480
305   FORMAT(/,1X,'****LOSSES****')                                     ML004490
      DO 306 I=2,14                                                     ML004500
      WRITE(IO,304) (ID(K,I),K=1,4),(FLOW(I,K),K=1,11)                  ML004510
306   CONTINUE                                                          ML004520
      WRITE(IO,307)                                                     ML004530
307   FORMAT(/,1X,'****GAINS****')                                      ML004540
      DO 308 I=15,18                                                    ML004550
      WRITE(IO,304) (ID(K,I),K=1,4),(FLOW(I,K),K=1,11)                  ML004560
308   CONTINUE                                                          ML004570
      WRITE(IO,309) (ID(K,19),K=1,4),(FLOW(19,K),K=1,11)                ML004580
309   FORMAT(/,1X,4A4,11F9.0)                                           ML004590
C                                                                       ML004600
```

```
      RETURN                                                            MLO04610
      END                                                               MLO04620
C                                                                       MLO04630
      SUBROUTINE HEADER(IO)                                             MLO04640
      COMMON/INFO/TITLE,NAMFIL,NAMTYP                                   MLO04650
      INTEGER TITLE(65),NAMFIL(2),NAMTYP(2),DATE(2),TIME(2)             MLO04660
C                                                                       MLO04670
      CALL QTIME(DATE,TIME)                                             MLO04680
      WRITE(IO,10) TITLE,NAMFIL,NAMTYP,DATE,TIME                        MLO04690
10    FORMAT(1H1,////,1X,128(1H*),/,1X,'*',29X,65A1,32X,'*',/,          MLO04700
     11X,'*',126X,'*',/,1X,'*','    FILENAME= ',2A4,3X,2A4,            MLO04710
     240X,'DATE= ',2A4,10X,'TIME= ',2A4,16X,'*',/,                      MLO04720
     31X,128(1H*),//)                                                   MLO04730
      RETURN                                                            MLO04740
      END                                                               MLO04750
```

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:45

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	132357.	0.	0.	0.	132357.	0.	0.	0.	0.	0.	0.	0.	132357.	17169.	0.1297	0.8703	1.0000
2	327.	0.	0.	0.	67778.	47737.	0.	0.	0.	0.	0.	0.	115516.	9861.	0.0854	0.9146	0.8703
3	863.	0.	0.	0.	23379.	77940.	5198.	0.	0.	0.	0.	0.	106517.	57134.	0.5364	0.4636	0.7960
4	2432.	0.	0.	0.	5777.	28778.	17260.	0.	0.	0.	0.	0.	51816.	20416.	0.3940	0.6060	0.3690
5	144.	0.	0.	0.	0.	11302.	20241.	0.	0.	0.	0.	0.	31543.	3253.	0.1031	0.8969	0.2236
6	10.	0.	0.	0.	0.	5363.	22263.	674.	0.	0.	0.	0.	28300.	3470.	0.1226	0.8774	0.2006
7	12.	0.	0.	0.	0.	3549.	19209.	2084.	0.	0.	0.	0.	24842.	2797.	0.1126	0.8874	0.1760
8	23.	0.	0.	0.	0.	2392.	12652.	6971.	54.	0.	0.	0.	22069.	3006.	0.1362	0.8638	0.1562
9	22.	0.	0.	0.	0.	1679.	6443.	10888.	74.	0.	0.	0.	19084.	2368.	0.1241	0.8759	0.1349
10	20.	0.	0.	0.	0.	1314.	3736.	11470.	216.	0.	0.	0.	16736.	2482.	0.1483	0.8517	0.1182
11	8.	0.	0.	0.	0.	0.	2515.	11301.	438.	0.	0.	0.	14254.	1184.	0.0831	0.9169	0.1006
12	1.	0.	0.	0.	0.	0.	1911.	9202.	1924.	34.	0.	0.	13071.	806.	0.0616	0.9384	0.0923
13	4.	0.	0.	0.	0.	0.	1559.	7341.	3316.	54.	0.	0.	12270.	906.	0.0738	0.9262	0.0866
14	2.	0.	0.	0.	0.	0.	1223.	4681.	5379.	83.	0.	0.	11366.	479.	0.0421	0.9579	0.0802
15	3.	0.	0.	0.	0.	0.	1091.	3479.	6174.	146.	0.	0.	10890.	408.	0.0375	0.9625	0.0768
16	1.	0.	0.	0.	0.	0.	1018.	2669.	6500.	296.	0.	0.	10483.	318.	0.0303	0.9697	0.0739
17	4.	0.	0.	0.	0.	0.	964.	2202.	6374.	618.	11.	0.	10169.	274.	0.0269	0.9731	0.0717
18	0.	0.	0.	0.	0.	0.	926.	1991.	5866.	1097.	15.	0.	9895.	321.	0.0325	0.9675	0.0698
19	0.	0.	0.	0.	0.	0.	869.	1878.	4750.	2033.	24.	0.	9574.	359.	0.0375	0.9625	0.0675
20	0.	0.	0.	0.	0.	0.	841.	1772.	3879.	2679.	43.	0.	9215.	3685.	0.3999	0.6001	0.0650
21	0.	0.	0.	0.	0.	0.	498.	1012.	1534.	2406.	79.	0.	5530.	2106.	0.3809	0.6191	0.0390
22	0.	0.	0.	0.	0.	0.	0.	644.	568.	2055.	156.	0.	3424.	870.	0.2542	0.7458	0.0241
23	0.	0.	0.	0.	0.	0.	0.	463.	339.	1456.	295.	0.	2553.	886.	0.3471	0.6529	0.0180
24	0.	0.	0.	0.	0.	0.	0.	0.	225.	856.	586.	0.	1667.	500.	0.2999	0.7001	0.0118
25	0.	0.	0.	0.	0.	0.	0.	0.	135.	432.	600.	0.	1167.	133.	0.1140	0.8860	0.0082
26	0.	0.	0.	0.	0.	0.	0.	0.	112.	306.	616.	0.	1034.	297.	0.2872	0.7128	0.0073
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	183.	554.	0.	737.	189.	0.2565	0.7435	0.0052
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	101.	447.	0.	548.	136.	0.2482	0.7518	0.0039
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	65.	347.	0.	412.	89.	0.2160	0.7840	0.0029
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	51.	272.	0.	323.	323.	1.0000	0.0	0.0023
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	136225.	0.	0.	0.	229292.	180054.	120438.	80722.	47858.	14953.	4045.	0.	677360.	136225.	0.2011	0.7989	4.9724
AVERAGE YOS			0.0	0.0	1.08	2.86	6.54	11.49	16.05	20.33	25.32	0.0	5.39				
PRODUCTIVITY			0.	0.	32967.	98086.	113524.	80722.	47858.	14953.	4045.	0.	392156.				

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EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:45

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	22.	71.	92.	0.	0.	0.	588.	262.	646.	15488.	0.	17169.
2	0.	97.	168.	134.	0.	0.	0.	233.	2.	2718.	6510.	0.	9861.
3	0.	40.	457.	600.	0.	0.	0.	435.	27.	34525.	20849.	0.	57134.
4	0.	50.	39.	119.	0.	0.	0.	79.	5713.	13612.	804.	0.	20416.
5	0.	52.	23.	31.	0.	0.	0.	14.	0.	2827.	306.	0.	3253.
6	0.	65.	50.	79.	0.	0.	0.	33.	15.	2472.	756.	0.	3470.
7	0.	86.	23.	34.	0.	0.	0.	16.	3.	2332.	303.	0.	2797.
8	0.	97.	27.	81.	0.	0.	0.	29.	11.	2367.	395.	0.	3006.
9	0.	90.	33.	61.	0.	0.	0.	29.	9.	1873.	273.	0.	2368.
10	0.	133.	23.	41.	0.	0.	0.	21.	1306.	834.	124.	0.	2482.
11	0.	85.	37.	78.	0.	0.	0.	8.	11.	784.	181.	0.	1184.
12	0.	82.	27.	35.	0.	0.	0.	10.	10.	528.	114.	0.	806.
13	0.	74.	20.	87.	0.	0.	0.	4.	8.	578.	135.	0.	906.
14	0.	91.	14.	52.	0.	0.	0.	5.	4.	258.	55.	0.	479.
15	0.	40.	14.	65.	0.	0.	0.	3.	29.	215.	42.	0.	408.
16	0.	38.	18.	60.	0.	0.	0.	4.	10.	132.	56.	0.	318.
17	0.	19.	32.	64.	0.	0.	0.	12.	4.	123.	20.	0.	274.
18	0.	9.	62.	76.	0.	0.	0.	0.	19.	105.	50.	0.	321.
19	0.	4.	26.	103.	0.	0.	0.	36.	6.	180.	4.	0.	359.
20	0.	0.	6.	102.	8.	3569.	0.	0.	0.	0.	0.	0.	3685.
21	0.	0.	2.	51.	498.	1555.	0.	0.	0.	0.	0.	0.	2106.
22	0.	0.	2.	34.	0.	834.	0.	0.	0.	0.	0.	0.	870.
23	0.	0.	4.	16.	462.	404.	0.	0.	0.	0.	0.	0.	886.
24	0.	0.	4.	22.	0.	474.	0.	0.	0.	0.	0.	0.	500.
25	0.	0.	0.	6.	0.	127.	0.	0.	0.	0.	0.	0.	133.
26	0.	0.	10.	17.	108.	162.	0.	0.	0.	0.	0.	0.	297.
27	0.	0.	0.	5.	0.	184.	0.	0.	0.	0.	0.	0.	189.
28	0.	0.	1.	1.	0.	134.	0.	0.	0.	0.	0.	0.	136.
29	0.	0.	0.	2.	1.	86.	0.	0.	0.	0.	0.	0.	89.
30	0.	0.	1.	10.	312.	0.	0.	0.	0.	0.	0.	0.	323.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	1174.	1194.	2358.	1389.	7530.	0.	1558.	7448.	67109.	46465.	0.	136225.
RETIRED POPULATION				105152.	43219.	251787.	0.						400159.
					295007.								

H-144

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:46

TOTAL FORCE XFROTH DISPLAY

YOS	00	01	02	03	04	05	06	07	08	TOTL
1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:47

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	229292.	180054.	120438.	80722.	47858.	14953.	4045.	0.	677362.
****LOSSES****											
PROM-OUT	0.	0.	90942.	35091.	16184.	8469.	4375.	1104.	0.	0.	156164.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	102.	86.	187.	465.	332.	2.	0.	0.	1174.
LOSS:DEATH	0.	0.	179.	546.	136.	151.	141.	31.	11.	0.	1194.
LOSS:RET-DIS	0.	0.	341.	808.	275.	346.	418.	140.	30.	0.	2358.
LOSS:RET-FC	0.	0.	0.	0.	495.	466.	111.	52.	265.	0.	1389.
LOSS:RET-VOL	0.	0.	0.	0.	326.	1156.	2302.	2948.	797.	0.	7530.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	795.	533.	120.	60.	46.	4.	0.	0.	1558.
LOSS:OTH-FC	0.	0.	5982.	1329.	35.	52.	50.	0.	0.	0.	7448.
LOSS:OTH-VOL	0.	0.	4298.	41688.	16079.	4376.	574.	92.	1.	0.	67109.
LOSS:OTH-INV	0.	0.	31652.	12327.	1705.	658.	120.	2.	0.	0.	46465.
TOTAL LOSSES	0.	0.	134291.	92407.	35542.	16200.	8470.	4375.	1104.	0.	292389.
****GAINS****											
GAINS TO	0.	0.	134291.	1465.	452.	16.	1.	0.	0.	0.	136225.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	90942.	35091.	16184.	8469.	4375.	1104.	0.	156164.
TOTAL GAINS	0.	0.	134291.	92407.	35543.	16200.	8470.	4375.	1104.	0.	292389.
END STRENGTH	0.	0.	229292.	180054.	120438.	80722.	47858.	14953.	4045.	0.	677362.

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EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:47

CATEGORY= 00 FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	34861.	0.	0.	0.	34861.	0.	0.	0.	0.	0.	0.	0.	34861.	4525.	0.1298	0.8702	1.0000
2	110.	0.	0.	0.	18728.	11718.	0.	0.	0.	0.	0.	0.	30446.	2443.	0.0802	0.9198	0.8702
3	253.	0.	0.	0.	6404.	21122.	731.	0.	0.	0.	0.	0.	28256.	15673.	0.5547	0.4453	0.8004
4	723.	0.	0.	0.	1574.	9296.	2437.	0.	0.	0.	0.	0.	13306.	5517.	0.4146	0.5854	0.3564
5	84.	0.	0.	0.	0.	2368.	5506.	0.	0.	0.	0.	0.	7874.	948.	0.1205	0.8795	0.2087
6	2.	0.	0.	0.	0.	1294.	5513.	120.	0.	0.	0.	0.	6927.	981.	0.1417	0.8583	0.1835
7	2.	0.	0.	0.	0.	926.	4707.	315.	0.	0.	0.	0.	5948.	744.	0.1251	0.8749	0.1575
8	10.	0.	0.	0.	0.	690.	2129.	2380.	15.	0.	0.	0.	5214.	759.	0.1456	0.8544	0.1378
9	9.	0.	0.	0.	0.	521.	1094.	2833.	16.	0.	0.	0.	4464.	587.	0.1315	0.8685	0.1178
10	9.	0.	0.	0.	0.	426.	697.	2734.	29.	0.	0.	0.	3886.	668.	0.1719	0.8281	0.1023
11	0.	0.	0.	0.	0.	0.	464.	2704.	50.	0.	0.	0.	3218.	275.	0.0854	0.9146	0.0847
12	0.	0.	0.	0.	0.	0.	349.	2289.	293.	12.	0.	0.	2943.	226.	0.0767	0.9233	0.0775
13	0.	0.	0.	0.	0.	0.	268.	1956.	475.	19.	0.	0.	2718.	213.	0.0783	0.9217	0.0715
14	1.	0.	0.	0.	0.	0.	249.	1159.	1070.	28.	0.	0.	2506.	93.	0.0371	0.9629	0.0659
15	1.	0.	0.	0.	0.	0.	238.	812.	1315.	48.	0.	0.	2414.	65.	0.0269	0.9731	0.0635
16	1.	0.	0.	0.	0.	0.	236.	586.	1434.	93.	0.	0.	2350.	46.	0.0196	0.9804	0.0618
17	1.	0.	0.	0.	0.	0.	224.	465.	1400.	212.	3.	0.	2305.	25.	0.0108	0.9892	0.0606
18	0.	0.	0.	0.	0.	0.	217.	409.	1282.	368.	4.	0.	2280.	25.	0.0110	0.9890	0.0599
19	0.	0.	0.	0.	0.	0.	209.	378.	964.	695.	8.	0.	2255.	23.	0.0102	0.9898	0.0592
20	0.	0.	0.	0.	0.	0.	202.	354.	750.	907.	18.	0.	2232.	803.	0.3599	0.6401	0.0586
21	0.	0.	0.	0.	0.	0.	123.	218.	238.	825.	24.	0.	1429.	495.	0.3466	0.6534	0.0375
22	0.	0.	0.	0.	0.	0.	0.	148.	63.	674.	48.	0.	933.	225.	0.2412	0.7588	0.0245
23	0.	0.	0.	0.	0.	0.	0.	108.	39.	476.	85.	0.	708.	228.	0.3221	0.6779	0.0186
24	0.	0.	0.	0.	0.	0.	0.	0.	23.	259.	198.	0.	480.	148.	0.3083	0.6917	0.0126
25	0.	0.	0.	0.	0.	0.	0.	0.	12.	110.	210.	0.	332.	38.	0.1145	0.8855	0.0087
26	0.	0.	0.	0.	0.	0.	0.	0.	9.	75.	210.	0.	294.	67.	0.2279	0.7721	0.0077
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	38.	189.	0.	227.	59.	0.2600	0.7400	0.0060
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	15.	153.	0.	168.	41.	0.2440	0.7560	0.0044
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	11.	116.	0.	127.	37.	0.2913	0.7087	0.0033
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	9.	81.	0.	90.	90.	1.0000	0.0000	0.0024
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
TOT	36067.	0.	0.	0.	61566.	48359.	25593.	19968.	9479.	4876.	1348.	0.	171189.	36067.	0.2107	0.7893	4.7465
AVERAGE YOS			0.0	0.0	1.09	2.90	6.58	11.27	16.07	20.14	25.33	0.0	5.17				
PRODUCTIVITY			0.	0.	9064.	26686.	24619.	19968.	9479.	4876.	1348.	0.	96039.				

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31.48

CATEGORY= 00 LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	10.	17.	31.	0.	0.	0.	230.	42.	91.	4103.	0.	4525.
2	0.	61.	47.	46.	0.	0.	0.	48.	2.	454.	1776.	0.	2443.
3	0.	5.	157.	192.	0.	0.	0.	110.	3.	8523.	6683.	0.	15673.
4	0.	12.	14.	19.	0.	0.	0.	13.	1563.	3593.	303.	0.	5517.
5	0.	17.	3.	5.	0.	0.	0.	3.	0.	847.	73.	0.	948.
6	0.	16.	23.	36.	0.	0.	0.	16.	5.	527.	359.	0.	981.
7	0.	7.	3.	6.	0.	0.	0.	3.	1.	600.	124.	0.	744.
8	0.	15.	4.	13.	0.	0.	0.	11.	3.	576.	137.	0.	759.
9	0.	13.	5.	16.	0.	0.	0.	8.	1.	462.	82.	0.	587.
10	0.	11.	6.	5.	0.	0.	0.	3.	426.	162.	55.	0.	668.
11	0.	7.	17.	13.	0.	0.	0.	3.	7.	172.	56.	0.	275.
12	0.	4.	7.	12.	0.	0.	0.	2.	4.	164.	33.	0.	226.
13	0.	4.	0.	15.	0.	0.	0.	0.	0.	160.	34.	0.	213.
14	0.	3.	2.	12.	0.	0.	0.	0.	3.	53.	20.	0.	93.
15	0.	2.	9.	7.	0.	0.	0.	1.	5.	28.	13.	0.	65.
16	0.	0.	10.	7.	0.	0.	0.	2.	0.	20.	7.	0.	46.
17	0.	0.	0.	11.	0.	0.	0.	0.	4.	7.	3.	0.	25.
18	0.	0.	1.	7.	0.	0.	0.	0.	4.	12.	1.	0.	25.
19	0.	0.	2.	7.	0.	0.	0.	4.	0.	8.	2.	0.	23.
20	0.	0.	0.	24.	0.	779.	0.	0.	0.	0.	0.	0.	803.
21	0.	0.	0.	13.	123.	359.	0.	0.	0.	0.	0.	0.	495.
22	0.	0.	1.	8.	0.	216.	0.	0.	0.	0.	0.	0.	225.
23	0.	0.	1.	4.	108.	115.	0.	0.	0.	0.	0.	0.	228.
24	0.	0.	0.	3.	0.	145.	0.	0.	0.	0.	0.	0.	148.
25	0.	0.	0.	3.	0.	35.	0.	0.	0.	0.	0.	0.	38.
26	0.	0.	0.	2.	9.	56.	0.	0.	0.	0.	0.	0.	67.
27	0.	0.	0.	0.	0.	59.	0.	0.	0.	0.	0.	0.	59.
28	0.	0.	0.	0.	0.	41.	0.	0.	0.	0.	0.	0.	41.
29	0.	0.	0.	0.	0.	37.	0.	0.	0.	0.	0.	0.	37.
30	0.	0.	1.	4.	85.	0.	0.	0.	0.	0.	0.	0.	90.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	187.	330.	521.	325.	1843.	0.	457.	2072.	16468.	13864.	0.	36067.
RETIRED POPULATION				23824.	10092.	61086.	0.						95002.
					(----I	71178.	----)						

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:48

FLOW RECONCILIATION CATEGORY= 00

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	61566.	48359.	25593.	19968.	9479.	4876.	1348.	0.	171189.
****LOSSES****											
PROM-OUT	0.	0.	23788.	7714.	3875.	1932.	1344.	372.	0.	0.	39024.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	66.	20.	30.	52.	19.	0.	0.	0.	187.
LOSS:DEATH	0.	0.	51.	177.	39.	39.	21.	1.	2.	0.	330.
LOSS:RET-DIS	0.	0.	97.	202.	54.	67.	50.	45.	6.	0.	521.
LOSS:RET-FC	0.	0.	0.	0.	123.	108.	9.	9.	76.	0.	325.
LOSS:RET-VOL	0.	0.	0.	0.	73.	214.	362.	905.	288.	0.	1843.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	278.	127.	31.	17.	1.	4.	0.	0.	457.
LOSS:OTH-FC	0.	0.	1608.	430.	6.	20.	9.	0.	0.	0.	2072.
LOSS:OTH-VOL	0.	0.	811.	11282.	3069.	1202.	97.	7.	0.	0.	16468.
LOSS:OTH-INV	0.	0.	8839.	4185.	590.	229.	21.	0.	0.	0.	13864.
TOTAL LOSSES	0.	0.	35538.	24136.	7890.	3879.	1933.	1344.	372.	0.	75090.
****GAINS****											
GAINS TO	0.	0.	35538.	348.	176.	4.	1.	0.	0.	0.	36067.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	23788.	7714.	3875.	1932.	1344.	372.	0.	39024.
TOTAL GAINS	0.	0.	35538.	24136.	7890.	3879.	1933.	1344.	372.	0.	75090.
END STRENGTH	0.	0.	61566.	48359.	25593.	19968.	9479.	4876.	1348.	0.	171189.

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:49

CATEGORY= 01 FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	6736.	0.	0.	0.	6736.	0.	0.	0.	0.	0.	0.	0.	6736.	923.	0.1370	0.8630	1.0000
2	14.	0.	0.	0.	3851.	1977.	0.	0.	0.	0.	0.	0.	5827.	467.	0.0801	0.9199	0.8630
3	33.	0.	0.	0.	1353.	3632.	409.	0.	0.	0.	0.	0.	5394.	2681.	0.4971	0.5029	0.7939
4	106.	0.	0.	0.	275.	1073.	1471.	0.	0.	0.	0.	0.	2818.	1292.	0.4583	0.5417	0.3992
5	2.	0.	0.	0.	0.	346.	1183.	0.	0.	0.	0.	0.	1529.	116.	0.0758	0.9242	0.2163
6	0.	0.	0.	0.	0.	166.	1183.	64.	0.	0.	0.	0.	1413.	115.	0.0813	0.9187	0.1999
7	2.	0.	0.	0.	0.	114.	993.	193.	0.	0.	0.	0.	1300.	43.	0.0331	0.9669	0.1836
8	3.	0.	0.	0.	0.	62.	586.	609.	3.	0.	0.	0.	1260.	53.	0.0420	0.9580	0.1776
9	4.	0.	0.	0.	0.	38.	286.	884.	3.	0.	0.	0.	1211.	121.	0.0999	0.9001	0.1701
10	2.	0.	0.	0.	0.	31.	166.	884.	11.	0.	0.	0.	1092.	95.	0.0869	0.9131	0.1531
11	0.	0.	0.	0.	0.	0.	101.	871.	25.	0.	0.	0.	997.	66.	0.0661	0.9339	0.1398
12	0.	0.	0.	0.	0.	0.	74.	768.	88.	1.	0.	0.	931.	56.	0.0601	0.9399	0.1306
13	0.	0.	0.	0.	0.	0.	59.	582.	233.	1.	0.	0.	875.	64.	0.0731	0.9269	0.1227
14	0.	0.	0.	0.	0.	0.	44.	344.	421.	2.	0.	0.	811.	29.	0.0358	0.9642	0.1137
15	0.	0.	0.	0.	0.	0.	39.	272.	466.	5.	0.	0.	782.	28.	0.0358	0.9642	0.1097
16	0.	0.	0.	0.	0.	0.	39.	228.	475.	12.	0.	0.	754.	25.	0.0331	0.9669	0.1057
17	1.	0.	0.	0.	0.	0.	36.	199.	465.	30.	0.	0.	730.	16.	0.0219	0.9781	0.1022
18	0.	0.	0.	0.	0.	0.	33.	182.	444.	55.	0.	0.	714.	24.	0.0336	0.9664	0.1000
19	0.	0.	0.	0.	0.	0.	33.	174.	355.	128.	0.	0.	690.	27.	0.0392	0.9608	0.0966
20	0.	0.	0.	0.	0.	0.	33.	161.	307.	161.	1.	0.	663.	251.	0.3786	0.6214	0.0928
21	0.	0.	0.	0.	0.	0.	19.	100.	145.	147.	1.	0.	412.	145.	0.3519	0.6481	0.0577
22	0.	0.	0.	0.	0.	0.	0.	66.	68.	129.	4.	0.	267.	72.	0.2696	0.7304	0.0374
23	0.	0.	0.	0.	0.	0.	0.	47.	46.	95.	7.	0.	195.	81.	0.4154	0.5846	0.0273
24	0.	0.	0.	0.	0.	0.	0.	0.	37.	60.	17.	0.	114.	37.	0.3246	0.6754	0.0160
25	0.	0.	0.	0.	0.	0.	0.	0.	25.	34.	18.	0.	77.	9.	0.1169	0.8831	0.0108
26	0.	0.	0.	0.	0.	0.	0.	0.	22.	25.	21.	0.	68.	28.	0.4118	0.5882	0.0095
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	17.	23.	0.	40.	8.	0.2000	0.8000	0.0056
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	13.	19.	0.	32.	7.	0.2187	0.7813	0.0045
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.	18.	0.	25.	6.	0.2400	0.7600	0.0035
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	13.	0.	19.	19.	1.0000	0.0	0.0027
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	6903.	0.	0.	0.	12214.	7438.	6787.	6629.	3640.	928.	142.	0.	37779.	6903.	0.1827	0.8173	5.4728
AVERAGE YOS			0.0	0.0	1.10	2.70	5.91	11.59	16.39	20.76	25.97	0.0	6.17				
PRODUCTIVITY			0.	0.	1645.	3871.	6215.	6629.	3640.	928.	142.	0.	23271.				

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:49

CATEGORY= 01 LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	2.	6.	4.	0.	0.	0.	39.	11.	17.	844.	0.	923.
2	0.	3.	4.	4.	0.	0.	0.	17.	0.	59.	380.	0.	467.
3	0.	1.	26.	49.	0.	0.	0.	14.	9.	1520.	1062.	0.	2681.
4	0.	3.	0.	7.	0.	0.	0.	5.	270.	981.	26.	0.	1292.
5	0.	1.	1.	0.	0.	0.	0.	0.	0.	111.	3.	0.	116.
6	0.	1.	2.	2.	0.	0.	0.	1.	1.	96.	12.	0.	115.
7	0.	6.	0.	0.	0.	0.	0.	0.	0.	35.	2.	0.	43.
8	0.	7.	0.	0.	0.	0.	0.	0.	0.	41.	5.	0.	53.
9	0.	13.	2.	0.	0.	0.	0.	0.	0.	102.	4.	0.	121.
10	0.	8.	0.	2.	0.	0.	0.	1.	32.	51.	1.	0.	95.
11	0.	5.	1.	4.	0.	0.	0.	0.	0.	49.	7.	0.	66.
12	0.	7.	1.	3.	0.	0.	0.	0.	0.	34.	11.	0.	56.
13	0.	16.	0.	0.	0.	0.	0.	0.	0.	34.	14.	0.	64.
14	0.	11.	2.	6.	0.	0.	0.	0.	0.	7.	3.	0.	29.
15	0.	8.	2.	2.	0.	0.	0.	0.	2.	12.	2.	0.	28.
16	0.	8.	0.	3.	0.	0.	0.	0.	0.	13.	1.	0.	25.
17	0.	6.	2.	0.	0.	0.	0.	0.	0.	8.	0.	0.	16.
18	0.	1.	0.	0.	0.	0.	0.	0.	14.	9.	0.	0.	24.
19	0.	3.	5.	6.	0.	0.	0.	0.	0.	13.	0.	0.	27.
20	0.	0.	0.	6.	4.	241.	0.	0.	0.	0.	0.	0.	251.
21	0.	0.	0.	3.	21.	121.	0.	0.	0.	0.	0.	0.	145.
22	0.	0.	0.	0.	0.	72.	0.	0.	0.	0.	0.	0.	72.
23	0.	0.	0.	0.	48.	33.	0.	0.	0.	0.	0.	0.	81.
24	0.	0.	0.	0.	0.	37.	0.	0.	0.	0.	0.	0.	37.
25	0.	0.	0.	0.	0.	9.	0.	0.	0.	0.	0.	0.	9.
26	0.	0.	0.	0.	22.	6.	0.	0.	0.	0.	0.	0.	28.
27	0.	0.	0.	0.	0.	8.	0.	0.	0.	0.	0.	0.	8.
28	0.	0.	0.	0.	0.	7.	0.	0.	0.	0.	0.	0.	7.
29	0.	0.	0.	0.	0.	6.	0.	0.	0.	0.	0.	0.	6.
30	0.	0.	0.	0.	19.	0.	0.	0.	0.	0.	0.	0.	19.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	110.	54.	101.	114.	540.	0.	77.	339.	3192.	2377.	0.	6903.
RETIRED POPULATION				4626.	3526.	18093.	0.						26246.
					I----(	21620.	)----I						

H-150

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:50

FLOW RECONCILIATION CATEGORY= 01

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	12214.	7438.	6787.	6629.	3640.	928.	142.	0.	37779.
****LOSSES****											
PROM-OUT	0.	0.	4559.	2213.	1121.	594.	254.	41.	0.	0.	8782.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	3.	3.	10.	40.	54.	0.	0.	0.	110.
LOSS:DEATH	0.	0.	13.	24.	3.	5.	9.	0.	0.	0.	54.
LOSS:RET-DIS	0.	0.	20.	44.	4.	18.	10.	5.	0.	0.	101.
LOSS:RET-FC	0.	0.	0.	0.	19.	48.	25.	8.	14.	0.	114.
LOSS:RET-VOL	0.	0.	0.	0.	12.	109.	200.	192.	27.	0.	540.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	58.	14.	5.	0.	0.	0.	0.	0.	77.
LOSS:OTH-FC	0.	0.	284.	37.	1.	1.	16.	0.	0.	0.	339.
LOSS:OTH-VOL	0.	0.	166.	1690.	1031.	272.	25.	8.	0.	0.	3192.
LOSS:OTH-INV	0.	0.	1720.	595.	25.	36.	1.	0.	0.	0.	2377.
TOTAL LOSSES	0.	0.	6822.	4620.	2231.	1123.	594.	254.	41.	0.	15685.
****GAINS****											
GAINS TO	0.	0.	6822.	61.	18.	2.	0.	0.	0.	0.	6903.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	4559.	2213.	1121.	594.	254.	41.	0.	8782.
TOTAL GAINS	0.	0.	6822.	4620.	2231.	1123.	594.	254.	41.	0.	15685.
END STRENGTH	0.	0.	12214.	7438.	6787.	6629.	3640.	928.	142.	0.	37779.

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:51

CATEGORY= 02 FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	16641.	0.	0.	0.	16641.	0.	0.	0.	0.	0.	0.	0.	16641.	2067.	0.1242	0.8758	1.0000
2	56.	0.	0.	0.	8296.	6334.	0.	0.	0.	0.	0.	0.	14631.	1214.	0.0830	0.9170	0.8758
3	114.	0.	0.	0.	3379.	9243.	908.	0.	0.	0.	0.	0.	13530.	7419.	0.5483	0.4517	0.8031
4	357.	0.	0.	0.	745.	2530.	3193.	0.	0.	0.	0.	0.	6468.	2721.	0.4207	0.5793	0.3628
5	30.	0.	0.	0.	0.	1120.	2657.	0.	0.	0.	0.	0.	3777.	407.	0.1078	0.8922	0.2102
6	1.	0.	0.	0.	0.	546.	2768.	57.	0.	0.	0.	0.	3371.	388.	0.1150	0.8850	0.1875
7	3.	0.	0.	0.	0.	362.	2431.	194.	0.	0.	0.	0.	2986.	314.	0.1051	0.8949	0.1659
8	2.	0.	0.	0.	0.	249.	1831.	593.	2.	0.	0.	0.	2674.	455.	0.1701	0.8299	0.1485
9	1.	0.	0.	0.	0.	173.	982.	1061.	5.	0.	0.	0.	2221.	282.	0.1269	0.8731	0.1232
10	5.	0.	0.	0.	0.	138.	482.	1302.	22.	0.	0.	0.	1944.	270.	0.1388	0.8612	0.1076
11	0.	0.	0.	0.	0.	0.	304.	1321.	49.	0.	0.	0.	1674.	139.	0.0831	0.9169	0.0927
12	0.	0.	0.	0.	0.	0.	225.	1122.	184.	4.	0.	0.	1535.	98.	0.0638	0.9362	0.0850
13	0.	0.	0.	0.	0.	0.	190.	868.	372.	7.	0.	0.	1437.	95.	0.0661	0.9339	0.0795
14	1.	0.	0.	0.	0.	0.	163.	549.	620.	11.	0.	0.	1343.	51.	0.0380	0.9620	0.0743
15	0.	0.	0.	0.	0.	0.	150.	407.	716.	19.	0.	0.	1292.	49.	0.0379	0.9621	0.0715
16	0.	0.	0.	0.	0.	0.	142.	331.	732.	38.	0.	0.	1243.	46.	0.0370	0.9630	0.0687
17	1.	0.	0.	0.	0.	0.	132.	276.	718.	72.	0.	0.	1198.	35.	0.0293	0.9707	0.0662
18	0.	0.	0.	0.	0.	0.	126.	255.	642.	139.	1.	0.	1163.	57.	0.0490	0.9510	0.0643
19	0.	0.	0.	0.	0.	0.	121.	238.	537.	208.	2.	0.	1106.	65.	0.0588	0.9412	0.0611
20	0.	0.	0.	0.	0.	0.	112.	224.	437.	266.	2.	0.	1041.	412.	0.3958	0.6042	0.0575
21	0.	0.	0.	0.	0.	0.	69.	131.	174.	248.	7.	0.	629.	265.	0.4213	0.5787	0.0348
22	0.	0.	0.	0.	0.	0.	0.	84.	56.	212.	12.	0.	364.	94.	0.2582	0.7418	0.0201
23	0.	0.	0.	0.	0.	0.	0.	61.	30.	152.	27.	0.	270.	104.	0.3853	0.6147	0.0149
24	0.	0.	0.	0.	0.	0.	0.	0.	13.	104.	49.	0.	166.	50.	0.3012	0.6988	0.0092
25	0.	0.	0.	0.	0.	0.	0.	0.	7.	55.	54.	0.	116.	10.	0.0862	0.9138	0.0064
26	0.	0.	0.	0.	0.	0.	0.	0.	7.	40.	59.	0.	106.	28.	0.2641	0.7359	0.0059
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	25.	53.	0.	78.	20.	0.2564	0.7436	0.0043
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	15.	43.	0.	58.	16.	0.2759	0.7241	0.0032
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	32.	0.	42.	7.	0.1667	0.8333	0.0023
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	8.	27.	0.	35.	35.	1.0000	0.0	0.0019
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	17212.	0.	0.	0.	29062.	20696.	16985.	9073.	5323.	1633.	368.	0.	83139.	17212.	0.2070	0.7930	4.8302
AVERAGE YOS			0.0	0.0	1.09	2.73	6.36	11.81	16.02	20.37	25.48	0.0	5.19				
PRODUCTIVITY			0.	0.	4322.	10691.	15733.	9073.	5323.	1633.	368.	0.	47142.				

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:56

CATEGORY= 02 LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1		0.	2.	5.	12.	0.	0.	0.	53.	40.	97.	1859.	0.	2067.
2		0.	12.	10.	8.	0.	0.	0.	29.	0.	447.	707.	0.	1214.
3		0.	8.	85.	88.	0.	0.	0.	20.	0.	4845.	2373.	0.	7419.
4		0.	6.	6.	19.	0.	0.	0.	8.	733.	1878.	71.	0.	2721.
5		0.	5.	2.	1.	0.	0.	0.	2.	0.	365.	32.	0.	407.
6		0.	16.	6.	7.	0.	0.	0.	5.	0.	273.	81.	0.	388.
7		0.	15.	2.	8.	0.	0.	0.	1.	1.	261.	26.	0.	314.
8		0.	7.	3.	1.	0.	0.	0.	7.	0.	373.	64.	0.	455.
9		0.	6.	1.	9.	0.	0.	0.	1.	1.	227.	37.	0.	282.
10		0.	16.	2.	0.	0.	0.	0.	0.	138.	108.	6.	0.	270.
11		0.	10.	3.	9.	0.	0.	0.	0.	4.	96.	17.	0.	139.
12		0.	9.	0.	2.	0.	0.	0.	0.	2.	68.	17.	0.	98.
13		0.	4.	9.	8.	0.	0.	0.	4.	4.	44.	22.	0.	95.
14		0.	8.	0.	0.	0.	0.	0.	0.	0.	43.	0.	0.	51.
15		0.	3.	0.	2.	0.	0.	0.	0.	2.	36.	6.	0.	49.
16		0.	3.	0.	12.	0.	0.	0.	0.	0.	12.	19.	0.	46.
17		0.	3.	0.	0.	0.	0.	0.	0.	0.	32.	0.	0.	35.
18		0.	0.	0.	31.	0.	0.	0.	0.	0.	26.	0.	0.	57.
19		0.	0.	0.	0.	0.	0.	0.	32.	0.	33.	0.	0.	65.
20		0.	0.	1.	12.	1.	398.	0.	0.	0.	0.	0.	0.	412.
21		0.	0.	0.	7.	70.	188.	0.	0.	0.	0.	0.	0.	265.
22		0.	0.	0.	1.	0.	93.	0.	0.	0.	0.	0.	0.	94.
23		0.	0.	0.	1.	61.	42.	0.	0.	0.	0.	0.	0.	104.
24		0.	0.	0.	5.	0.	45.	0.	0.	0.	0.	0.	0.	50.
25		0.	0.	0.	0.	0.	10.	0.	0.	0.	0.	0.	0.	10.
26		0.	0.	1.	0.	7.	20.	0.	0.	0.	0.	0.	0.	28.
27		0.	0.	0.	0.	0.	20.	0.	0.	0.	0.	0.	0.	20.
28		0.	0.	0.	0.	0.	16.	0.	0.	0.	0.	0.	0.	16.
29		0.	0.	0.	0.	1.	6.	0.	0.	0.	0	0.	0.	7.
30		0.	0.	0.	1.	34.	0.	0.	0.	0.	0.	0.	0.	35.
31		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
		0.	133.	136.	244.	174.	838.	0.	162.	925.	9263.	5337.	0.	17212.
RETIRED POPULATION				10923.	5471.	28071.	0.						44466.
					1----(	33542.	)----1						

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EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:31:59

FLOW RECONCILIATION CATEGORY= 02

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	29062.	20696.	16985.	9073.	5323.	1633.	368.	0.	83139.
****LOSSES****											
PROM-OUT	0.	0.	11277.	4832.	1834.	939.	468.	103.	0.	0.	19453.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	5.	19.	29.	52.	27.	0.	0.	0.	133.
LOSS:DEATH	0.	0.	20.	82.	18.	12.	3.	1.	0.	0.	136.
LOSS:RET-DIS	0.	0.	47.	75.	30.	18.	55.	18.	1.	0.	244.
LOSS:RET-FC	0.	0.	0.	0.	69.	63.	7.	9.	26.	0.	174.
LOSS:RET-VOL	0.	0.	0.	0.	43.	156.	249.	314.	76.	0.	838.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	74.	37.	16.	4.	32.	0.	0.	0.	162.
LOSS:OTH-FC	0.	0.	773.	138.	3.	11.	0.	0.	0.	0.	925.
LOSS:OTH-VOL	0.	0.	750.	5233.	2668.	510.	80.	23.	0.	0.	9263.
LOSS:OTH-INV	0.	0.	3959.	1083.	206.	71.	18.	0.	0.	0.	5337.
TOTAL LOSSES	0.	0.	16905.	11498.	4916.	1836.	939.	468.	103.	0.	36665.
****GAINS****											
GAINS IO	0.	0.	16905.	221.	84.	2.	0.	0.	0.	0.	17212.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	11277.	4832.	1834.	939.	468.	103.	0.	19453.
TOTAL GAINS	0.	0.	16905.	11498.	4916.	1836.	939.	468.	103.	0.	36665.
END STRENGTH	0.	0.	29062.	20696.	16985.	9073.	5323.	1633.	368.	0.	83139.

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME-- ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:01

CATEGORY= 03 FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	7393.	0.	0.	0.	7393.	0.	0.	0.	0.	0.	0.	0.	7393.	920.	0.1245	0.8755	1.0000
2	15.	0.	0.	0.	3779.	2708.	0.	0.	0.	0.	0.	0.	6487.	538.	0.0829	0.9171	0.8755
3	46.	0.	0.	0.	662.	4850.	484.	0.	0.	0.	0.	0.	5996.	2831.	0.4722	0.5278	0.8029
4	100.	0.	0.	0.	294.	1471.	1499.	0.	0.	0.	0.	0.	3264.	1103.	0.3380	0.6620	0.4237
5	4.	0.	0.	0.	0.	852.	1313.	0.	0.	0.	0.	0.	2165.	216.	0.0998	0.9002	0.2805
6	2.	0.	0.	0.	0.	289.	1568.	94.	0.	0.	0.	0.	1951.	251.	0.1286	0.8714	0.2525
7	0.	0.	0.	0.	0.	145.	1313.	242.	0.	0.	0.	0.	1700.	191.	0.1123	0.8877	0.2201
8	3.	0.	0.	0.	0.	69.	1057.	386.	0.	0.	0.	0.	1512.	249.	0.1646	0.8354	0.1953
9	4.	0.	0.	0.	0.	22.	388.	855.	2.	0.	0.	0.	1267.	185.	0.1460	0.8540	0.1632
10	0.	0.	0.	0.	0.	15.	261.	800.	6.	0.	0.	0.	1082.	120.	0.1110	0.8890	0.1394
11	0.	0.	0.	0.	0.	0.	200.	751.	11.	0.	0.	0.	962.	105.	0.1092	0.8908	0.1239
12	0.	0.	0.	0.	0.	0.	163.	532.	161.	1.	0.	0.	857.	59.	0.0688	0.9312	0.1104
13	0.	0.	0.	0.	0.	0.	136.	467.	194.	1.	0.	0.	798.	93.	0.1165	0.8835	0.1028
14	0.	0.	0.	0.	0.	0.	94.	267.	342.	2.	0.	0.	705.	47.	0.0666	0.9334	0.0908
15	0.	0.	0.	0.	0.	0.	84.	212.	359.	3.	0.	0.	658.	31.	0.0471	0.9529	0.0847
16	0.	0.	0.	0.	0.	0.	77.	178.	363.	9.	0.	0.	627.	33.	0.0526	0.9474	0.0808
17	0.	0.	0.	0.	0.	0.	73.	142.	359.	20.	0.	0.	594.	24.	0.0403	0.9597	0.0765
18	0.	0.	0.	0.	0.	0.	71.	123.	344.	32.	0.	0.	570.	24.	0.0421	0.9579	0.0734
19	0.	0.	0.	0.	0.	0.	70.	117.	251.	108.	0.	0.	546.	35.	0.0641	0.9359	0.0703
20	0.	0.	0.	0.	0.	0.	64.	111.	218.	118.	0.	0.	511.	202.	0.3953	0.6047	0.0658
21	0.	0.	0.	0.	0.	0.	38.	63.	120.	87.	1.	0.	309.	128.	0.4142	0.5858	0.0398
22	0.	0.	0.	0.	0.	0.	0.	40.	55.	82.	4.	0.	181.	49.	0.2707	0.7293	0.0233
23	0.	0.	0.	0.	0.	0.	0.	29.	36.	59.	8.	0.	132.	53.	0.4015	0.5985	0.0170
24	0.	0.	0.	0.	0.	0.	0.	0.	25.	35.	19.	0.	79.	25.	0.3165	0.6835	0.0102
25	0.	0.	0.	0.	0.	0.	0.	0.	16.	20.	18.	0.	54.	6.	0.1111	0.8889	0.0070
26	0.	0.	0.	0.	0.	0.	0.	0.	14.	13.	21.	0.	48.	21.	0.4375	0.5625	0.0062
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	8.	19.	0.	27.	6.	0.2222	0.7778	0.0035
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	17.	0.	21.	8.	0.3809	0.6191	0.0027
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	12.	0.	13.	2.	0.1539	0.8461	0.0017
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	10.	0.	11.	11.	1.0000	0.0000	0.0014
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
TOT	7567.	0.	0.	0.	12128.	10421.	8953.	5409.	2876.	604.	129.	0.	40521.	7567.	0.1867	0.8133	5.3551
AVERAGE YOS			0.0	0.0	0.99	2.74	6.52	11.23	16.18	20.40	25.72	0.0	5.48				
PRODUCTIVITY			0.	0.	1496.	5598.	8337.	5409.	2876.	604.	129.	0.	24449.				

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EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:06

CATEGORY= 03 LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	2.	3.	3.	0.	0.	0.	41.	3.	98.	770.	0.	920.
2	0.	7.	4.	6.	0.	0.	0.	19.	0.	216.	286.	0.	538.
3	0.	5.	0.	60.	0.	0.	0.	54.	0.	1839.	874.	0.	2831.
4	0.	8.	3.	6.	0.	0.	0.	2.	290.	745.	49.	0.	1103.
5	0.	7.	1.	2.	0.	0.	0.	3.	0.	178.	25.	0.	216.
6	0.	11.	0.	6.	0.	0.	0.	0.	1.	207.	26.	0.	251.
7	0.	13.	3.	4.	0.	0.	0.	0.	0.	156.	15.	0.	191.
8	0.	18.	0.	11.	0.	0.	0.	0.	1.	194.	25.	0.	249.
9	0.	20.	3.	1.	0.	0.	0.	2.	2.	141.	16.	0.	185.
10	0.	38.	0.	2.	0.	0.	0.	2.	15.	57.	6.	0.	120.
11	0.	11.	2.	6.	0.	0.	0.	1.	0.	75.	10.	0.	105.
12	0.	16.	0.	3.	0.	0.	0.	0.	1.	33.	6.	0.	59.
13	0.	18.	0.	0.	0.	0.	0.	0.	0.	69.	6.	0.	93.
14	0.	22.	0.	0.	0.	0.	0.	0.	0.	24.	1.	0.	47.
15	0.	9.	2.	6.	0.	0.	0.	0.	0.	14.	0.	0.	31.
16	0.	7.	0.	4.	0.	0.	0.	0.	0.	20.	2.	0.	33.
17	0.	3.	4.	4.	0.	0.	0.	0.	0.	13.	0.	0.	24.
18	0.	5.	0.	12.	0.	0.	0.	0.	0.	6.	1.	0.	24.
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	35.	0.	0.	35.
20	0.	0.	0.	4.	1.	197.	0.	0.	0.	0.	0.	0.	202.
21	0.	0.	0.	1.	38.	89.	0.	0.	0.	0.	0.	0.	128.
22	0.	0.	0.	10.	0.	39.	0.	0.	0.	0.	0.	0.	49.
23	0.	0.	0.	1.	29.	23.	0.	0.	0.	0.	0.	0.	53.
24	0.	0.	0.	0.	0.	25.	0.	0.	0.	0.	0.	0.	25.
25	0.	0.	0.	0.	0.	6.	0.	0.	0.	0.	0.	0.	6.
26	0.	0.	0.	0.	14.	7.	0.	0.	0.	0.	0.	0.	21.
27	0.	0.	0.	0.	0.	6.	0.	0.	0.	0.	0.	0.	6.
28	0.	0.	0.	0.	0.	8.	0.	0.	0.	0.	0.	0.	8.
29	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.
30	0.	0.	0.	1.	10.	0.	0.	0.	0.	0.	0.	0.	11.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	220.	25.	153.	92.	402.	0.	124.	313.	4121.	2118.	0.	7567.
RETIRED POPULATION				6861.	2921.	13498.	0.						23280.
					I----(	16419.	)----I						

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:12

FLOW RECONCILIATION CATEGORY= 03

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	12128.	10421.	8953.	5409.	2876.	604.	129.	0.	40521.
****LOSSES****											
PROM-OUT	0.	0.	5551.	2585.	1135.	494.	179.	37.	0.	0.	9981.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	8.	8.	32.	107.	63.	2.	0.	0.	220.
LOSS:DEATH	0.	0.	5.	3.	7.	6.	4.	0.	0.	0.	25.
LOSS:RET-DIS	0.	0.	19.	44.	40.	29.	20.	0.	1.	0.	153.
LOSS:RET-FC	0.	0.	0.	0.	38.	30.	14.	1.	9.	0.	92.
LOSS:RET-VOL	0.	0.	0.	0.	25.	63.	155.	132.	27.	0.	402.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	53.	65.	2.	4.	0.	0.	0.	0.	124.
LOSS:OTH-FC	0.	0.	291.	15.	5.	2.	0.	0.	0.	0.	313.
LOSS:OTH-VOL	0.	0.	248.	2222.	1212.	372.	59.	7.	0.	0.	4121.
LOSS:OTH-INV	0.	0.	1297.	663.	130.	28.	0.	0.	0.	0.	2118.
TOTAL LOSSES	0.	0.	7472.	5605.	2626.	1135.	494.	179.	37.	0.	17547.
****GAINS****											
GAINS TO	0.	0.	7472.	54.	41.	0.	0.	0.	0.	0.	7567.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	5551.	2585.	1135.	494.	179.	37.	0.	9981.
TOTAL GAINS	0.	0.	7472.	5605.	2626.	1135.	494.	179.	37.	0.	17547.
END STRENGTH	0.	0.	12128.	10421.	8953.	5409.	2876.	604.	129.	0.	40521.

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:12

CATEGORY= 04 FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	2832.	0.	0.	0.	2832.	0.	0.	0.	0.	0.	0.	0.	2832.	330.	0.1165	0.8835	1.0000
2	2.	0.	0.	0.	1332.	1172.	0.	0.	0.	0.	0.	0.	2504.	189.	0.0756	0.9244	0.8835
3	55.	0.	0.	0.	288.	1875.	207.	0.	0.	0.	0.	0.	2370.	1074.	0.4532	0.5468	0.8167
4	52.	0.	0.	0.	118.	511.	719.	0.	0.	0.	0.	0.	1348.	495.	0.3672	0.6328	0.4465
5	1.	0.	0.	0.	0.	207.	647.	0.	0.	0.	0.	0.	854.	72.	0.0843	0.9157	0.2826
6	1.	0.	0.	0.	0.	91.	662.	30.	0.	0.	0.	0.	783.	62.	0.0791	0.9209	0.2588
7	2.	0.	0.	0.	0.	55.	551.	117.	0.	0.	0.	0.	723.	47.	0.0651	0.9349	0.2383
8	2.	0.	0.	0.	0.	31.	463.	182.	2.	0.	0.	0.	678.	52.	0.0767	0.9233	0.2228
9	0.	0.	0.	0.	0.	19.	266.	339.	2.	0.	0.	0.	626.	71.	0.1133	0.8867	0.2057
10	1.	0.	0.	0.	0.	14.	143.	392.	7.	0.	0.	0.	556.	44.	0.0792	0.9208	0.1824
11	0.	0.	0.	0.	0.	0.	97.	398.	17.	0.	0.	0.	512.	39.	0.0762	0.9238	0.1679
12	1.	0.	0.	0.	0.	0.	77.	348.	48.	1.	0.	0.	474.	38.	0.0802	0.9198	0.1551
13	3.	0.	0.	0.	0.	0.	62.	300.	76.	1.	0.	0.	439.	28.	0.0638	0.9362	0.1427
14	0.	0.	0.	0.	0.	0.	54.	187.	168.	2.	0.	0.	411.	25.	0.0609	0.9391	0.1336
15	0.	0.	0.	0.	0.	0.	42.	146.	194.	4.	0.	0.	386.	17.	0.0440	0.9560	0.1255
16	0.	0.	0.	0.	0.	0.	41.	123.	197.	8.	0.	0.	369.	14.	0.0380	0.9620	0.1199
17	0.	0.	0.	0.	0.	0.	40.	105.	192.	17.	1.	0.	355.	5.	0.0141	0.9859	0.1154
18	0.	0.	0.	0.	0.	0.	39.	102.	180.	28.	1.	0.	350.	6.	0.0171	0.9829	0.1138
19	0.	0.	0.	0.	0.	0.	38.	100.	162.	43.	1.	0.	344.	3.	0.0087	0.9913	0.1118
20	0.	0.	0.	0.	0.	0.	38.	96.	142.	64.	1.	0.	341.	145.	0.4252	0.5748	0.1108
21	0.	0.	0.	0.	0.	0.	22.	54.	59.	58.	3.	0.	196.	84.	0.4286	0.5714	0.0637
22	0.	0.	0.	0.	0.	0.	0.	30.	25.	52.	5.	0.	112.	27.	0.2411	0.7589	0.0364
23	0.	0.	0.	0.	0.	0.	0.	21.	15.	37.	12.	0.	85.	32.	0.3764	0.6236	0.0276
24	0.	0.	0.	0.	0.	0.	0.	0.	11.	29.	13.	0.	53.	16.	0.3019	0.6981	0.0172
25	0.	0.	0.	0.	0.	0.	0.	0.	6.	18.	13.	0.	37.	2.	0.0541	0.9459	0.0120
26	0.	0.	0.	0.	0.	0.	0.	0.	6.	13.	16.	0.	35.	12.	0.3429	0.6571	0.0114
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	13.	0.	23.	7.	0.3044	0.6956	0.0075
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.	9.	0.	16.	4.	0.2500	0.7500	0.0052
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	8.	0.	12.	1.	0.0833	0.9167	0.0039
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	8.	0.	11.	11.	1.0000	0.0	0.0036
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	2952.	0.	0.	0.	4570.	3975.	4208.	3070.	1509.	399.	104.	0.	17835.	2952.	0.1655	0.8345	6.0410
AVERAGE YOS			0.0	0.0	0.99	2.65	6.69	12.00	16.33	20.80	24.99	0.0	6.48				
PRODUCTIVITY			0.	0.	565.	2030.	3925.	3070.	1509.	399.	104.	0.	11602.				

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:12

CATEGORY= 04 LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	.	0.	0.	1.	0.	0.	0.	12.	3.	10.	304.	0.	330.
2	0.	4.	3.	3.	0.	0.	0.	1.	0.	50.	128.	0.	189.
3	0.	3.	8.	34.	0.	0.	0.	15.	0.	749.	265.	0.	1074.
4	0.	2.	2.	5.	0.	0.	0.	3.	113.	349.	21.	0.	495.
5	0.	4.	0.	1.	0.	0.	0.	0.	0.	58.	9.	0.	72.
6	0.	3.	1.	2.	0.	0.	0.	0.	0.	46.	10.	0.	62.
7	0.	8.	0.	0.	0.	0.	0.	0.	0.	39.	0.	0.	47.
8	0.	3.	1.	3.	0.	0.	0.	0.	0.	41.	4.	0.	52.
9	0.	1.	0.	4.	0.	0.	0.	8.	0.	46.	12.	0.	71.
10	0.	2.	1.	5.	0.	0.	0.	2.	11.	20.	3.	0.	44.
11	0.	5.	0.	2.	0.	0.	0.	0.	0.	21.	11.	0.	39.
12	0.	2.	0.	0.	0.	0.	0.	0.	0.	32.	4.	0.	38.
13	0.	0.	0.	7.	0.	0.	0.	0.	0.	12.	9.	0.	28.
14	0.	1.	0.	9.	0.	0.	0.	0.	0.	15.	0.	0.	25.
15	0.	0.	0.	0.	0.	0.	0.	0.	0.	17.	0.	0.	17.
16	0.	0.	4.	0.	0.	0.	0.	0.	0.	10.	0.	0.	14.
17	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	0.	0.	5.
18	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	0.	6.
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	3.
20	0.	0.	1.	5.	1.	138.	0.	0.	0.	0.	0.	0.	145.
21	0.	0.	0.	2.	22.	60.	0.	0.	0.	0.	0.	0.	84.
22	0.	0.	0.	0.	0.	27.	0.	0.	0.	0.	0.	0.	27.
23	0.	0.	0.	1.	21.	10.	0.	0.	0.	0.	0.	0.	32.
24	0.	0.	2.	2.	0.	12.	0.	0.	0.	0.	0.	0.	16.
25	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.
26	0.	0.	0.	3.	6.	3.	0.	0.	0.	0.	0.	0.	12.
27	0.	0.	0.	1.	0.	6.	0.	0.	0.	0.	0.	0.	7.
28	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	4.
29	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
30	0.	0.	0.	0.	11.	0.	0.	0.	0.	0.	0.	0.	11.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	38.	23.	90.	61.	263.	0.	41.	127.	1529.	780.	0.	2952.
RETIRED POPULATION				4015.	1913.	8870.	0.						14798.
					I----(	10783.	)----I						

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:13

FLOW RECONCIL'ATION CATEGORY= 04

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	4570.	3975.	4208.	3070.	1509.	399.	104.	0.	17835.
****LOSSES****											
PROM-OUT	0.	0.	2168.	1075.	529.	261.	116.	27.	0.	0.	4176.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	3.	7.	8.	17.	3.	0.	0.	0.	38.
LOSS:DEATH	0.	0.	3.	10.	1.	2.	5.	2.	0.	0.	23.
LOSS:RET-DIS	0.	0.	9.	38.	5.	15.	14.	7.	2.	0.	90.
LOSS:RET-FC	0.	0.	0.	0.	22.	21.	7.	3.	8.	0.	61.
LOSS:RET-VOL	0.	0.	0.	0.	16.	67.	86.	77.	17.	0.	263.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	14.	12.	9.	6.	0.	0.	0.	0.	41.
LOSS:OTH-FC	0.	0.	116.	11.	0.	0.	0.	0.	0.	0.	127.
LOSS:OTH-VOL	0.	0.	79.	819.	480.	126.	25.	0.	0.	0.	1529.
LOSS:OTH-INV	0.	0.	490.	219.	48.	18.	5.	0.	0.	0.	780.
TOTAL LOSSES	0.	0.	2882.	2191.	1118.	533.	261.	116.	27.	0.	7129.
****GAINS****											
GAINS TO	0.	0.	2882.	23.	43.	4.	0.	0.	0.	0.	2952.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	2168.	1075.	529.	261.	116.	27.	0.	4176.
TOTAL GAINS	0.	0.	2882.	2191.	1118.	533.	261.	116.	27.	0.	7129.
END STRENGTH	0.	0.	4570.	3975.	4208.	3070.	1509.	399.	104.	0.	17835.

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:13

CATEGORY= 05 FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	19105.	0.	0.	0.	19105.	0.	0.	0.	0.	0.	0.	0.	19105.	2017.	0.1056	0.8944	1.0000
2	51.	0.	0.	0.	9382.	7757.	0.	0.	0.	0.	0.	0.	17139.	1420.	0.0828	0.9172	0.8944
3	124.	0.	0.	0.	1527.	13278.	1038.	0.	0.	0.	0.	0.	15843.	7536.	0.4757	0.5243	0.8203
4	402.	0.	0.	0.	756.	5121.	2831.	0.	0.	0.	0.	0.	8709.	2719.	0.3122	0.6878	0.4301
5	9.	0.	0.	0.	0.	2445.	3554.	0.	0.	0.	0.	0.	5999.	468.	0.0780	0.9220	0.2958
6	1.	0.	0.	0.	0.	1106.	4289.	137.	0.	0.	0.	0.	5532.	575.	0.1040	0.8960	0.2728
7	2.	0.	0.	0.	0.	683.	3665.	611.	0.	0.	0.	0.	4959.	501.	0.1010	0.8990	0.2444
8	3.	0.	0.	0.	0.	424.	2370.	1656.	11.	0.	0.	0.	4461.	521.	0.1167	0.8833	0.2197
9	2.	0.	0.	0.	0.	271.	1363.	2291.	17.	0.	0.	0.	3942.	423.	0.1073	0.8927	0.1941
10	1.	0.	0.	0.	0.	187.	790.	2465.	78.	0.	0.	0.	3520.	426.	0.1210	0.8790	0.1732
11	0.	0.	0.	0.	0.	0.	522.	2405.	167.	0.	0.	0.	3094.	211.	0.0682	0.9318	0.1523
12	0.	0.	0.	0.	0.	0.	388.	1891.	594.	10.	0.	0.	2883.	86.	0.0299	0.9701	0.1419
13	1.	0.	0.	0.	0.	0.	310.	1587.	885.	16.	0.	0.	2798.	138.	0.0494	0.9506	0.1377
14	0.	0.	0.	0.	0.	0.	188.	1001.	1452.	19.	0.	0.	2660.	79.	0.0297	0.9703	0.1309
15	2.	0.	0.	0.	0.	0.	146.	697.	1705.	35.	0.	0.	2583.	64.	0.0248	0.9752	0.1270
16	0.	0.	0.	0.	0.	0.	127.	476.	1848.	68.	0.	0.	2519.	50.	0.0198	0.9802	0.1238
17	1.	0.	0.	0.	0.	0.	122.	362.	1847.	132.	7.	0.	2470.	71.	0.0287	0.9713	0.1214
18	0.	0.	0.	0.	0.	0.	118.	319.	1708.	245.	9.	0.	2399.	92.	0.0384	0.9616	0.1179
19	0.	0.	0.	0.	0.	0.	113.	297.	1449.	437.	11.	0.	2307.	109.	0.0472	0.9528	0.1134
20	0.	0.	0.	0.	0.	0.	107.	275.	1150.	647.	19.	0.	2198.	979.	0.4455	0.5545	0.1080
21	0.	0.	0.	0.	0.	0.	58.	127.	390.	608.	36.	0.	1219.	440.	0.3609	0.6391	0.0599
22	0.	0.	0.	0.	0.	0.	0.	67.	111.	532.	69.	0.	779.	189.	0.2426	0.7574	0.0383
23	0.	0.	0.	0.	0.	0.	0.	45.	43.	368.	134.	0.	590.	145.	0.2458	0.7542	0.0290
24	0.	0.	0.	0.	0.	0.	0.	0.	22.	190.	233.	0.	445.	115.	0.2584	0.7416	0.0219
25	0.	0.	0.	0.	0.	0.	0.	0.	10.	95.	225.	0.	330.	40.	0.1212	0.8788	0.0162
26	0.	0.	0.	0.	0.	0.	0.	0.	7.	67.	216.	0.	290.	61.	0.2104	0.7896	0.0142
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	40.	189.	0.	229.	60.	0.2620	0.7380	0.0113
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	20.	149.	0.	169.	39.	0.2308	0.7692	0.0083
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	13.	117.	0.	130.	21.	0.1615	0.8385	0.0064
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	99.	0.	109.	109.	1.0000	0.0	0.0054
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	19704.	0.	0.	0.	30770.	31273.	22099.	16710.	13494.	3551.	1513.	0.	119410.	19704.	0.1650	0.8350	6.0602
AVERAGE YOS			0.0	0.0	0.98	2.93	6.46	11.09	15.97	20.34	25.08	0.0	6.49				
PRODUCTIVITY			0.	0.	3676.	17536.	20872.	16710.	13494.	3551.	1513.	0.	77352.				

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:14

CATEGORY= 05 LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	4.	11.	8.	0.	0.	0.	57.	31.	147.	1760.	0.	2017.
2	0.	10.	18.	13.	0.	0.	0.	27.	0.	597.	755.	0.	1420.
3	0.	16.	39.	139.	0.	0.	0.	56.	2.	5372.	1911.	0.	7536.
4	0.	11.	3.	13.	0.	0.	0.	33.	744.	1807.	107.	0.	2719.
5	0.	7.	1.	7.	0.	0.	0.	3.	0.	400.	50.	0.	468.
6		7.	3.	10.	0.	0.	0.	6.	3.	479.	67.	0.	575.
7		15.	3.	7.	0.	0.	0.	7.	0.	426.	43.	0.	501.
8	0.	10.	4.	17.	0.	0.	0.	6.	3.	431.	50.	0.	521.
9	0.	12.	3.	9.	0.	0.	0.	9.	3.	339.	48.	0.	423.
10	0.	16.	4.	12.	0.	0.	0.	5.	185.	181.	23.	0.	426.
11	0.	21.	4.	15.	0.	0.	0.	3.	0.	143.	25.	0.	211.
12	0.	20.	2.	3.	0.	0.	0.	1.	0.	50.	10.	0.	86.
13	0.	13.	9.	29.	0.	0.	0.	0.	0.	63.	24.	0.	138.
14	0.	17.	7.	6.	0.	0.	0.	2.	1.	34.	12.	0.	79.
15	0.	6.	0.	11.	0.	0.	0.	1.	0.	38.	8.	0.	64.
16	0.	12.	3.	8.	0.	0.	0.	0.	3.	23.	1.	0.	50.
17	0.	2.	14.	30.	0.	0.	0.	3.	0.	15.	7.	0.	71.
18	0.	2.	25.	19.	0.	0.	0.	0.	1.	16.	29.	0.	92.
19	0.	0.	8.	58.	0.	0.	0.	0.	4.	39.	0.	0.	109.
20	0.	0.	1.	25.	0.	953.	0.	0.	0.	0.	0.	0.	979.
21	0.	0.	0.	13.	57.	370.	0.	0.	0.	0.	0.	0.	440.
22	0.	0.	0.	8.	0.	181.	0.	0.	0.	0.	0.	0.	189.
23	0.	0.	2.	5.	44.	94.	0.	0.	0.	0.	0.	0.	145.
24	0.	0.	2.	2.	0.	111.	0.	0.	0.	0.	0.	0.	115.
25	0.	0.	0.	2.	0.	38.	0.	0.	0.	0.	0.	0.	40.
26	0.	0.	4.	4.	7.	46.	0.	0.	0.	0.	0.	0.	61.
27	0.	0.	0.	3.	0.	57.	0.	0.	0.	0.	0.	0.	60.
28	0.	0.	1.	1.	0.	37.	0.	0.	0.	0.	0.	0.	39.
29	0.	0.	0.	2.	0.	19.	0.	0.	0.	0.	0.	0.	21.
30	0.	0.	0.	3.	106.	0.	0.	0.	0.	0.	0.	0.	109.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	202.	172.	482.	214.	1906.	0.	219.	981.	10600.	4930.	0.	19704.
RETIRED POPULATION				20489.	6290.	63747.	0.						90525.
					(-----	70036.	-----)						

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:15

FLOW RECONCILIATION CATEGORY= 05

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	30770.	31273.	22099.	16710.	13494.	3551.	1513.	0.	119410.
****LOSSES****											
PROM-OUT	0.	0.	14941.	6488.	3595.	2294.	1217.	393.	0.	0.	28927.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	11.	24.	32.	60.	75.	0.	0.	0.	202.
LOSS:DEATH	0.	0.	19.	54.	7.	19.	53.	15.	4.	0.	172.
LOSS:RET-DIS	0.	0.	27.	156.	41.	78.	130.	30.	19.	0.	482.
LOSS:RET-FC	0.	0.	0.	0.	57.	44.	6.	8.	99.	0.	214.
LOSS:RET-VOL	0.	0.	0.	0.	46.	176.	666.	748.	270.	0.	1906.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	88.	73.	44.	11.	3.	0.	0.	0.	219.
LOSS:OTH-FC	0.	0.	776.	186.	7.	9.	3.	0.	0.	0.	981.
LOSS:OTH-VOL	0.	0.	522.	6647.	2503.	801.	102.	23.	1.	0.	10600.
LOSS:OTH-INV	0.	0.	2990.	1604.	190.	107.	39.	0.	0.	0.	4930.
TOTAL LOSSES	0.	0.	19374.	15232.	6523.	3599.	2294.	1217.	393.	0.	48631.
****GAINS****											
GAINS TO	0.	0.	19374.	291.	35.	4.	0.	0.	0.	0.	19704.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	14941.	6488.	3595.	2294.	1217.	393.	0.	28927.
TOTAL GAINS	0.	0.	19374.	15232.	6523.	3599.	2294.	1217.	393.	0.	48631.
END STRENGTH	0.	0.	3077	31273.	22099.	16710.	13494.	3551.	1513.	0.	119410.

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:16

CATEGORY= 06 FORCE DISPLAY

YOS	G:TG	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	23974.	0.	0.	0.	23974.	0.	0.	0.	0.	0.	0.	0.	23974.	3685.	0.1537	0.8463	1.0000
2	44.	0.	0.	0.	12817.	7516.	0.	0.	0.	0.	0.	0.	20334.	2213.	0.1089	0.8911	0.8463
3	111.	0.	0.	0.	5279.	11988.	964.	0.	0.	0.	0.	0.	18231.	9795.	0.5373	0.4627	0.7542
4	300.	0.	0.	0.	996.	4704.	3036.	0.	0.	0.	0.	0.	8736.	3847.	0.4403	0.5597	0.3490
5	7.	0.	0.	0.	0.	1971.	2925.	0.	0.	0.	0.	0.	4897.	525.	0.1072	0.8928	0.1953
6	1.	0.	0.	0.	0.	935.	3368.	69.	0.	0.	0.	0.	4373.	567.	0.1296	0.8704	0.1744
7	0.	0.	0.	0.	0.	595.	3010.	201.	0.	0.	0.	0.	3806.	572.	0.1502	0.8498	0.1518
8	0.	0.	0.	0.	0.	375.	2127.	723.	9.	0.	0.	0.	3234.	495.	0.1530	0.8470	0.1290
9	2.	0.	0.	0.	0.	274.	1293.	1162.	12.	0.	0.	0.	2741.	379.	0.1383	0.8617	0.1092
10	1.	0.	0.	0.	0.	217.	777.	1338.	31.	0.	0.	0.	2363.	418.	0.1770	0.8230	0.0941
11	0.	0.	0.	0.	0.	0.	554.	1228.	63.	0.	0.	0.	1945.	187.	0.0961	0.9039	0.0775
12	0.	0.	0.	0.	0.	0.	440.	1055.	259.	4.	0.	0.	1758.	127.	0.0722	0.9278	0.0700
13	0.	0.	0.	0.	0.	0.	376.	797.	453.	5.	0.	0.	1631.	156.	0.0956	0.9044	0.0650
14	0.	0.	0.	0.	0.	0.	289.	587.	588.	11.	0.	0.	1475.	85.	0.0576	0.9424	0.0588
15	0.	0.	0.	0.	0.	0.	258.	462.	652.	18.	0.	0.	1390.	78.	0.0562	0.9438	0.0554
16	0.	0.	0.	0.	0.	0.	231.	363.	681.	37.	0.	0.	1312.	52.	0.0396	0.9604	0.0523
17	0.	0.	0.	0.	0.	0.	217.	312.	658.	73.	0.	0.	1260.	49.	0.0389	0.9611	0.0502
18	0.	0.	0.	0.	0.	0.	205.	288.	592.	126.	0.	0.	1211.	38.	0.0314	0.9686	0.0482
19	0.	0.	0.	0.	0.	0.	195.	278.	507.	193.	0.	0.	1173.	42.	0.0358	0.9642	0.0467
20	0.	0.	0.	0.	0.	0.	181.	269.	426.	255.	0.	0.	1131.	467.	0.4129	0.5871	0.0451
21	0.	0.	0.	0.	0.	0.	107.	150.	188.	218.	1.	0.	664.	295.	0.4442	0.5558	0.0265
22	0.	0.	0.	0.	0.	0.	0.	93.	90.	184.	2.	0.	369.	105.	0.2846	0.7154	0.0147
23	0.	0.	0.	0.	0.	0.	0.	67.	59.	133.	5.	0.	264.	111.	0.4205	0.5795	0.0105
24	0.	0.	0.	0.	0.	0.	0.	0.	43.	101.	9.	0.	153.	53.	0.3464	0.6536	0.0061
25	0.	0.	0.	0.	0.	0.	0.	0.	27.	61.	12.	0.	100.	13.	0.1300	0.8700	0.0040
26	0.	0.	0.	0.	0.	0.	0.	0.	21.	49.	17.	0.	87.	34.	0.3908	0.6092	0.0035
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	33.	20.	0.	53.	14.	0.2641	0.7359	0.0021
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	21.	18.	0.	39.	11.	0.2821	0.7179	0.0016
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	15.	13.	0.	28.	5.	0.1786	0.8214	0.0011
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	13.	0.	23.	23.	1.0000	0.0	0.0009
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	24440.	0.	0.	0.	43067.	28576.	20553.	9545.	5360.	1547.	110.	0.	108758.	24440.	0.2247	0.7753	4.4499
AVERAGE YOS			0.0	0.0	1.11	2.90	6.90	11.86	16.04	20.53	26.31	0.0	4.66				
PRODUCTIVITY			0.	0.	6591.	15769.	19312.	9545.	5360.	1547.	110.	0.	58234.				

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:17

CATEGORY= 06 LOSS DISPLAY

YR	XFRGTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMCUT	TOTALS
1	0.	0.	19.	19.	0.	0.	0.	91.	98.	105.	3352.	0.	3685.
2	0.	1.	60.	41.	0.	0.	0.	71.	0.	399.	1642.	0.	2213.
3	0.	0.	83.	96.	0.	0.	0.	78.	2.	5404.	4133.	0.	9795.
4	0.	3.	5.	32.	0.	0.	0.	8.	990.	2671.	138.	0.	3847.
5	0.	8.	8.	4.	0.	0.	0.	1.	0.	466.	38.	0.	525.
6	0.	7.	11.	10.	0.	0.	0.	3.	4.	386.	145.	0.	567.
7	0.	12.	10.	6.	0.	0.	0.	2.	1.	489.	52.	0.	572.
8	0.	23.	10.	23.	0.	0.	0.	2.	4.	365.	68.	0.	495.
9	0.	14.	6.	7.	0.	0.	0.	1.	2.	306.	43.	0.	379.
10	0.	24.	7.	10.	0.	0.	0.	8.	216.	138.	15.	0.	418.
11	0.	20.	6.	16.	0.	0.	0.	1.	0.	124.	20.	0.	187.
12	0.	17.	5.	3.	0.	0.	0.	5.	2.	77.	18.	0.	127.
13	0.	17.	0.	18.	0.	0.	0.	0.	4.	103.	14.	0.	156.
14	0.	16.	3.	9.	0.	0.	0.	3.	0.	45.	9.	0.	85.
15	0.	9.	0.	23.	0.	0.	0.	0.	4.	32.	10.	0.	78.
16	0.	4.	0.	9.	0.	0.	0.	0.	6.	21.	12.	0.	52.
17	0.	3.	8.	0.	0.	0.	0.	7.	0.	31.	0.	0.	49.
18	0.	1.	3.	5.	0.	0.	0.	0.	0.	20.	9.	0.	38.
19	0.	1.	9.	20.	0.	0.	0.	0.	0.	10.	2.	0.	42.
20	0.	0.	0.	12.	1.	454.	0.	0.	0.	0.	0.	0.	467.
21	0.	0.	0.	6.	107.	182.	0.	0.	0.	0.	0.	0.	295.
22	0.	0.	0.	5.	0.	100.	0.	0.	0.	0.	0.	0.	105.
23	0.	0.	0.	2.	66.	43.	0.	0.	0.	0.	0.	0.	111.
24	0.	0.	0.	6.	0.	47.	0.	0.	0.	0.	0.	0.	53.
25	0.	0.	0.	1.	0.	12.	0.	0.	0.	0.	0.	0.	13.
26	0.	0.	0.	3.	21.	10.	0.	0.	0.	0.	0.	0.	34.
27	0.	0.	0.	1.	0.	13.	0.	0.	0.	0.	0.	0.	14.
28	0.	0.	0.	0.	0.	11.	0.	0.	0.	0.	0.	0.	11.
29	0.	0.	0.	0.	0.	5.	0.	0.	0.	0.	0.	0.	5.
30	0.	0.	0.	0.	23.	0.	0.	0.	0.	0.	0.	0.	23.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	180.	253.	386.	218.	877.	0.	281.	1334.	11192.	9720.	0.	24440.
RETIRED POPULATION				17353.	6985.	29553.	0.						53890.
					I----(	36538.	)----I						

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:17

FLOW RECONCILIATION CATEGORY= 06

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	43067.	28576.	20553.	9545.	5360.	1547.	110.	0.	108758.
****LOSSES****											
PROM-OUT	0.	0.	15063.	5759.	2023.	946.	393.	35.	0.	0.	24219.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	3.	2.	33.	82.	60.	0.	0.	0.	180.
LOSS:DEATH	0.	0.	45.	117.	44.	26.	14.	7.	0.	0.	253.
LOSS:RET-DIS	0.	0.	66.	108.	67.	52.	69.	24.	0.	0.	386.
LOSS:RET-FC	0.	0.	0.	0.	107.	67.	21.	10.	13.	0.	218.
LOSS:RET-VOL	0.	0.	0.	0.	74.	185.	289.	307.	22.	0.	877.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	138.	114.	11.	8.	10.	0.	0.	0.	281.
LOSS:OTH-FC	0.	0.	1089.	220.	12.	7.	6.	0.	0.	0.	1334.
LOSS:OTH-VOL	0.	0.	738.	6718.	3089.	569.	68.	10.	0.	0.	11192.
LOSS:OTH-INV	0.	0.	7076.	2226.	321.	81.	16.	0.	0.	0.	9720.
TOTAL LOSSES	0.	0.	24217.	15263.	5782.	2023.	946.	393.	35.	0.	48660.
****GAINS****											
GAINS TO	0.	0.	24217.	200.	23.	0.	0.	0.	0.	0.	24440.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	15063.	5759.	2023.	946.	393.	35.	0.	24219.
TOTAL GAINS	0.	0.	24217.	15263.	5782.	2023.	946.	393.	35.	0.	48660.
END STRENGTH	0.	0.	43067.	28576.	20553.	9545.	5360.	1547.	110.	0.	108758.

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:17

CATEGORY= 07 FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	3485.	0.	0.	0.	3485.	0.	0.	0.	0.	0.	0.	0.	3485.	422.	0.1212	0.8788	1.0000
2	4.	0.	0.	0.	1697.	1369.	0.	0.	0.	0.	0.	0.	3066.	204.	0.0666	0.9334	0.8788
3	34.	0.	0.	0.	577.	2152.	167.	0.	0.	0.	0.	0.	2896.	1407.	0.4857	0.5143	0.8203
4	44.	0.	0.	0.	141.	892.	501.	0.	0.	0.	0.	0.	1534.	738.	0.4811	0.5189	0.4219
5	3.	0.	0.	0.	0.	280.	519.	0.	0.	0.	0.	0.	799.	91.	0.1138	0.8862	0.2190
6	2.	0.	0.	0.	0.	150.	555.	5.	0.	0.	0.	0.	710.	101.	0.1422	0.8578	0.1940
7	0.	0.	0.	0.	0.	111.	484.	14.	0.	0.	0.	0.	609.	81.	0.1331	0.8669	0.1664
8	0.	0.	0.	0.	0.	81.	333.	114.	0.	0.	0.	0.	528.	73.	0.1382	0.8618	0.1443
9	0.	0.	0.	0.	0.	63.	196.	194.	2.	0.	0.	0.	455.	62.	0.1363	0.8637	0.1243
10	0.	0.	0.	0.	0.	52.	111.	226.	4.	0.	0.	0.	393.	78.	0.1985	0.8015	0.1074
11	0.	0.	0.	0.	0.	0.	81.	229.	5.	0.	0.	0.	315.	34.	0.1079	0.8921	0.0861
12	0.	0.	0.	0.	0.	0.	60.	178.	43.	0.	0.	0.	281.	18.	0.0641	0.9359	0.0768
13	0.	0.	0.	0.	0.	0.	50.	136.	76.	1.	0.	0.	263.	21.	0.0799	0.9201	0.0719
14	0.	0.	0.	0.	0.	0.	46.	97.	97.	2.	0.	0.	242.	9.	0.0372	0.9628	0.0661
15	0.	0.	0.	0.	0.	0.	44.	72.	114.	3.	0.	0.	233.	14.	0.0601	0.9399	0.0637
16	0.	0.	0.	0.	0.	0.	41.	52.	120.	6.	0.	0.	219.	6.	0.0274	0.9726	0.0598
17	0.	0.	0.	0.	0.	0.	38.	45.	118.	12.	0.	0.	213.	4.	0.0187	0.9813	0.0582
18	0.	0.	0.	0.	0.	0.	38.	42.	111.	18.	0.	0.	209.	6.	0.0287	0.9713	0.0571
19	0.	0.	0.	0.	0.	0.	36.	40.	80.	47.	0.	0.	203.	10.	0.0493	0.9507	0.0555
20	0.	0.	0.	0.	0.	0.	33.	39.	68.	53.	0.	0.	193.	70.	0.3627	0.6373	0.0527
21	0.	0.	0.	0.	0.	0.	19.	25.	36.	43.	0.	0.	123.	54.	0.4390	0.5610	0.0336
22	0.	0.	0.	0.	0.	0.	0.	17.	18.	33.	1.	0.	69.	17.	0.2464	0.7536	0.0189
23	0.	0.	0.	0.	0.	0.	0.	13.	13.	24.	2.	0.	52.	22.	0.4231	0.5769	0.0142
24	0.	0.	0.	0.	0.	0.	0.	0.	10.	15.	5.	0.	30.	9.	0.3000	0.7000	0.0082
25	0.	0.	0.	0.	0.	0.	0.	0.	7.	8.	6.	0.	21.	2.	0.0953	0.9047	0.0057
26	0.	0.	0.	0.	0.	0.	0.	0.	5.	5.	9.	0.	19.	9.	0.4736	0.5264	0.0052
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	7.	0.	10.	1.	0.1000	0.9000	0.0027
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	6.	0.	9.	2.	0.2222	0.7778	0.0025
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	5.	0.	7.	1.	0.1429	0.8571	0.0019
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	4.	0.	6.	6.	1.0000	0.0	0.0016
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	3572.	0.	0.	0.	5899.	5150.	3352.	1538.	927.	280.	45.	0.	17191.	3572.	0.2078	0.7922	4.8132
AVERAGE YOS			0.0	0.0	1.05	2.91	6.85	11.85	16.20	20.27	26.03	0.0	4.90				
PRODUCTIVITY			0.	0.	818.	2824.	3143.	1538.	927.	280.	45.	0.	9575.				

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:19

CATEGORY= 07 LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	2.	5.	0.	0.	0.	9.	3.	7.	396.	0.	422.
2	0.	0.	5.	1.	0.	0.	0.	6.	0.	44.	148.	0.	204
3	0.	0.	31.	37.	0.	0.	0.	50.	0.	605.	683.	0.	1407.
4	0.	2.	1.	7.	0.	0.	0.	1.	140.	530.	57.	0.	738.
5	0.	0.	0.	0.	0.	0.	0.	0.	0.	87.	4.	0.	91.
6	0.	0.	0.	3.	0.	0.	0.	1.	0.	84.	13.	0.	101.
7	0.	2.	0.	1.	0.	0.	0.	1.	0.	68.	9.	0.	81.
8	0.	5.	0.	2.	0.	0.	0.	3.	0.	56.	7.	0.	73.
9	0.	1.	0.	10.	0.	0.	0.	0.	0.	45.	6.	0.	62.
10	0.	1.	0.	0.	0.	0.	0.	0.	52.	23.	2.	0.	78.
11	0.	1.	3.	1.	0.	0.	0.	0.	0.	26.	3.	0.	34.
12	0.	1.	0.	0.	0.	0.	0.	3.	0.	14.	0.	0.	18.
13	0.	1.	0.	3.	0.	0.	0.	0.	0.	17.	0.	0.	21.
14	0.	1.	0.	0.	0.	0.	0.	0.	0.	8.	0.	0.	9.
15	0.	0.	0.	5.	0.	0.	0.	0.	0.	9.	0.	0.	14.
16	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	0.	6.
17	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.	0.	0.	4.
18	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	0.	6.
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	0.	0.	10.
20	0.	0.	2.	4.	0.	64.	0.	0.	0.	0.	0.	0.	70.
21	0.	0.	2.	1.	18.	33.	0.	0.	0.	0.	0.	0.	54.
22	0.	0.	1.	0.	0.	16.	0.	0.	0.	0.	0.	0.	17.
23	0.	0.	0.	0.	13.	9.	0.	0.	0.	0.	0.	0.	22.
24	0.	0.	0.	1.	0.	8.	0.	0.	0.	0.	0.	0.	9.
25	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.
26	0.	0.	0.	0.	5.	4.	0.	0.	0.	0.	0.	0.	9.
27	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
28	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.
29	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
30	0.	0.	0.	0.	6.	0.	0.	0.	0.	0.	0.	0.	6.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	15.	49.	81.	42.	140.	0.	74.	195.	1647.	1328.	0.	3572.
RETIRED POPULATION				3784.	1328.	4695.	0.						9807.
					|----(	6023.	)----|					

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:20

FLOW RECONCILIATION CATEGORY= 07

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	5899.	5150.	3352.	1538.	927.	280.	45.	0.	17191.
****LOSSES****											
PROM-OUT	0.	0.	2539.	930.	322.	159.	71.	12.	0.	0.	4033.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	1.	0.	3.	8.	3.	0.	0.	0.	15.
LOSS:DEATH	0.	0.	4.	35.	0.	3.	3.	4.	0.	0.	49.
LOSS:RET-DIS	0.	0.	8.	46.	11.	9.	7.	0.	0.	0.	81.
LOSS:RET-FC	0.	0.	0.	0.	18.	13.	5.	2.	4.	0.	42.
LOSS:RET-VOL	0.	0.	0.	0.	10.	25.	47.	50.	8.	0.	140.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	14.	53.	1.	6.	0.	0.	0.	0.	74.
LOSS:OTH-FC	0.	0.	143.	52.	0.	0.	0.	0.	0.	0.	195.
LOSS:OTH-VOL	0.	0.	46.	926.	551.	98.	23.	3.	0.	0.	1647.
LOSS:OTH-INV	0.	0.	772.	518.	37.	1.	0.	0.	0.	0.	1328.
TOTAL LOSSES	0.	0.	3528.	2560.	953.	322.	159.	71.	12.	0.	7605.
****GAINS****											
GAINS TO	0.	0.	3528.	21.	23.	0.	0.	0.	0.	0.	3572.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	2539.	930.	322.	159.	71.	12.	0.	4033.
TOTAL GAINS	0.	0.	3528.	2560.	953.	322.	159.	71.	12.	0.	7605.
END STRENGTH	0.	0.	5899.	5150.	3352.	1538.	927.	280.	45.	0.	17191.

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:21

CATEGORY= 08 FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	17330.	0.	0.	0.	17330.	0.	0.	0.	0.	0.	0.	0.	17330.	2279.	0.1315	0.8685	1.0000
2	31.	0.	0.	0.	7896.	7185.	0.	0.	0.	0.	0.	0.	15082.	1173.	0.0778	0.9222	0.8685
3	93.	0.	0.	0.	3911.	9801.	290.	0.	0.	0.	0.	0.	14002.	8718.	0.6226	0.3774	0.8010
4	348.	0.	0.	0.	878.	3180.	1574.	0.	0.	0.	0.	0.	5632.	1986.	0.3526	0.6474	0.3023
5	4.	0.	0.	0.	0.	1712.	1938.	0.	0.	0.	0.	0.	3650.	410.	0.1124	0.8876	0.1957
6	0.	0.	0.	0.	0.	786.	2356.	98.	0.	0.	0.	0.	3240.	430.	0.1326	0.8674	0.1737
7	1.	0.	0.	0.	0.	558.	2056.	197.	0.	0.	0.	0.	2311.	304.	0.1082	0.8918	0.1507
8	0.	0.	0.	0.	0.	411.	1756.	328.	12.	0.	0.	0.	2507.	350.	0.1397	0.8603	0.1344
9	0.	0.	0.	0.	0.	298.	575.	1269.	15.	0.	0.	0.	2157.	258.	0.1196	0.8804	0.1156
10	1.	0.	0.	0.	0.	234.	309.	1329.	28.	0.	0.	0.	1900.	363.	0.1911	0.8089	0.1018
11	0.	0.	0.	0.	0.	0.	192.	1294.	51.	0.	0.	0.	1537.	128.	0.0833	0.9167	0.0823
12	0.	0.	0.	0.	0.	0.	135.	1019.	254.	1.	0.	0.	1409.	98.	0.0696	0.9304	0.0755
13	0.	0.	0.	0.	0.	0.	108.	648.	552.	3.	0.	0.	1311.	98.	0.0748	0.9252	0.0702
14	0.	0.	0.	0.	0.	0.	96.	490.	621.	6.	0.	0.	1213.	61.	0.0502	0.9498	0.0650
15	0.	0.	0.	0.	0.	0.	90.	398.	653.	11.	0.	0.	1152.	62.	0.0538	0.9462	0.0617
16	0.	0.	0.	0.	0.	0.	84.	331.	650.	25.	0.	0.	1090.	46.	0.0422	0.9578	0.0584
17	0.	0.	0.	0.	0.	0.	82.	295.	617.	50.	0.	0.	1044.	45.	0.0431	0.9569	0.0559
18	0.	0.	0.	0.	0.	0.	79.	271.	563.	86.	0.	0.	999.	49.	0.0491	0.9509	0.0535
19	0.	0.	0.	0.	0.	0.	74.	256.	444.	174.	2.	0.	950.	45.	0.0473	0.9527	0.0509
20	0.	0.	0.	0.	0.	0.	71.	243.	381.	208.	2.	0.	905.	356.	0.3934	0.6066	0.0485
21	0.	0.	0.	0.	0.	0.	43.	144.	184.	172.	6.	0.	549.	200.	0.3643	0.6357	0.0294
22	0.	0.	0.	0.	0.	0.	0.	99.	82.	157.	11.	0.	349.	92.	0.2636	0.7364	0.0187
23	0.	0.	0.	0.	0.	0.	0.	72.	58.	112.	15.	0.	257.	110.	0.4280	0.5720	0.0138
24	0.	0.	0.	0.	0.	0.	0.	0.	41.	63.	43.	0.	147.	47.	0.3197	0.6803	0.0079
25	0.	0.	0.	0.	0.	0.	0.	0.	25.	31.	44.	0.	100.	13.	0.1300	0.8700	0.0054
26	0.	0.	0.	0.	0.	0.	0.	0.	21.	19.	47.	0.	87.	37.	0.4252	0.5748	0.0047
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	9.	41.	0.	50.	14.	0.2800	0.7200	0.0027
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	33.	0.	36.	8.	0.2222	0.7778	0.0019
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	26.	0.	28.	9.	0.3215	0.6785	0.0015
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	17.	0.	19.	19.	1.0000	0.0	0.0010
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	17808.	0.	0.	0.	30015.	24166.	11908.	8780.	5250.	1134.	287.	0.	81540.	17808.	0.2184	0.7816	4.5789
AVERAGE YOS			0.0	0.0	1.11	2.89	6.50	11.89	15.88	20.16	25.42	0.0	4.89				
PRODUCTIVITY			0.	0.	4588.	13081.	11369.	8780.	5250.	1134.	287.	0.	44490.				

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:19

CATEGORY= 07 LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	2.	5.	0.	0.	0.	9.	3.	7.	396.	0.	422.
2	0.	0.	5.	1.	0.	0.	0.	6.	0.	44.	148.	0.	204.
3	0.	0.	31.	37.	0.	0.	0.	50.	0.	605.	683.	0.	1407.
4	0.	2.	1.	7.	0.	0.	0.	1.	140.	530.	57.	0.	738.
5	0.	0.	0.	0.	0.	0.	0.	0.	0.	87.	4.	0.	91.
6	0.	0.	0.	3.	0.	0.	0.	1.	0.	84.	13.	0.	101.
7	0.	2.	0.	1.	0.	0.	0.	1.	0.	68.	9.	0.	81.
8	0.	5.	0.	2.	0.	0.	0.	3.	0.	56.	7.	0.	73.
9	0.	1.	0.	10.	0.	0.	0.	0.	0.	45.	6.	0.	62.
10	0.	1.	0.	0.	0.	0.	0.	0.	52.	23.	2.	0.	78.
11	0.	1.	3.	1.	0.	0.	0.	0.	0.	26.	3.	0.	34.
12	0.	1.	0.	0.	0.	0.	0.	3.	0.	14.	0.	0.	18.
13	0.	1.	0.	3.	0.	0.	0.	0.	0.	17.	0.	0.	21.
14	0.	1.	0.	0.	0.	0.	0.	0.	0.	8.	0.	0.	9.
15	0.	0.	0.	5.	0.	0.	0.	0.	0.	9.	0.	0.	14.
16	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	0.	6.
17	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.	0.	0.	4.
18	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	0.	6.
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	0.	0.	10.
20	0.	0.	2.	4.	0.	64.	0.	0.	0.	0.	0.	0.	70.
21	0.	0.	2.	1.	18.	33.	0.	0.	0.	0.	0.	0.	54.
22	0.	0.	1.	0.	0.	16.	0.	0.	0.	0.	0.	0.	17.
23	0.	0.	0.	0.	13.	9.	0.	0.	0.	0.	0.	0.	22.
24	0.	0.	0.	1.	0.	8.	0.	0.	0.	0.	0.	0.	9.
25	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.
26	0.	0.	0.	0.	5.	4.	0.	0.	0.	0.	0.	0.	9.
27	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
28	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.
29	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
30	0.	0.	0.	0.	6.	0.	0.	0.	0.	0.	0.	0.	6.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	15.	49.	81.	42.	140.	0.	74.	195.	1647.	1328.	0.	3572.
RETIRED POPULATION				3784.	1328.	4695.	0.						9807.
					6023.								

EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)

FILENAME= ACE09CAT CURRENT DATE= 01/30/84 TIME= 09:32:21

FLOW RECONCILIATION CATEGORY= 08

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	30015.	24166.	11908.	3780.	5250.	1134.	287.	0.	81540.
****LOSSES****											
PROM-OUT	0.	0.	11056.	3497.	1750.	850.	334.	84.	0.	0.	17571.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	2.	3.	10.	47.	28.	0.	0.	0.	90.
LOSS:DEATH	0.	0.	19.	44.	16.	39.	29.	1.	5.	0.	152.
LOSS:RET-DIS	0.	0.	47.	94.	23.	60.	63.	11.	1.	0.	299.
LOSS:RET-FC	0.	0.	0.	0.	42.	72.	17.	2.	16.	0.	149.
LOSS:RET-VOL	0.	0.	0.	0.	27.	161.	248.	223.	62.	0.	721.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	79.	38.	2.	4.	0.	0.	0.	0.	123.
LOSS:OTH-FC	0.	0.	903.	240.	2.	2.	16.	0.	0.	0.	1163.
LOSS:OTH-VOL	0.	0.	938.	6152.	1475.	427.	95.	11.	0.	0.	9098.
LOSS:OTH-INV	0.	0.	4509.	1235.	158.	88.	20.	2.	0.	0.	6012.
TOTAL LOSSES	0.	0.	17553.	11302.	3506.	1750.	850.	334.	84.	0.	35378.
****GAINS****											
GAINS TO	0.	0.	17553.	246.	9.	0.	0.	0.	0.	0.	17808.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	11056.	3497.	1750.	850.	334.	84.	0.	17571.
TOTAL GAINS	0.	0.	17553.	11302.	3506.	1750.	850.	334.	84.	0.	35378.
END STRENGTH	0.	0.	30015.	24166.	11908.	8780.	5250.	1134.	287.	0.	81540.

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&CONTROL OFF
CLRSCRN
&IF &INDEX NE 2 &GOTO -HELP
LINK TO QRMC5RH1 191 199 RR RPASS
ACCESS 199 H
LINK TO QRMC2JVD 191 198 RR RPASS
ACCESS 198 G
&ERROR &GOTO -ERREXIT
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 46 DISK &1 SUBSTRUC H4
FILEDEF 48 DISK &1 LRATES H4
FILEDEF 49 DISK &1 GRATES H4
FILEDEF 30 DISK COST DATABASE A1 ( XTENT 54001
FILEDEF 31 DISK &2 COSTMAP G1 ( RECFM F LRECL 132 BLKSIZE 132
&TYPE PLEASE STANDBY
COSTER
&GOTO -DONE
-ERR
 &TYPE ABNORMAL TERMINATION IN COST ROUTINE EXEC
-HELP
 CLRSCRN
 &TYPE YOU HAVE IMPROPERLY USED THIS COMMAND; TRY AGAIN.
*THE PROPER FORMAT IS AS FOLLOWS: COSTER FN1 FN2
*   WHERE: FN1 = MODEL RUN FILENAME
*          FN2 = COST MAP / FIX COST FILENAME
 &END
 &EXIT
-DONE DET 199
 RELEASE H
 DET 198
 RELEASE G
 &EXIT
```

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FILE: BATCHCST EXEC      A                VM/SP CONVERSATIONAL MONITOR SYSTEM
PAGE 001


&CONTROL OFF
&ERROR &GOTO -ERR
CLRSCRN
*-------------------------------------------------------------------
*ENTER RUNS YOU WANT "EXEC COSTER2 FN1 FN2'
*WHERE FN1=FILENAME OF FORCE STRUCTURE DATA
*  AND FN2=FILENAME OF COSTMAP
*-------------------------------------------------
EXEC COSTER2 ACE09CAT AE
EXEC COSTER2 NCE09CAT NE
EXEC COSTER2 FBO11CAT FO
&GOTO -DONE
-ERR
 &TYPE ERROR IN RUNNING COST PROGRAM -- CONTACT MODEL MANAGER
 &EXIT
-DONE
 &EXIT
```

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&CONTROL OFF
CLRSCRN
LINK TO QRMC5RH2 191 199 RR RPASS
ACCESS 199 H
LINK TO QRMC2JVD 191 198 RR RPASS
ACCESS 198 G
&ERROR &GOTO -ERR
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL (RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 46 DISK &1 SUBSTRUC A4
FILEDEF 48 DISK &1 LRATES A4
FILEDEF 49 DISK &1 GRATES A4
FILEDEF 30 DISK COST DATABASE H1 ( XTENT 54001
FILEDEF 31 DISK &2  COSTMAP G1 ( RECFM F LRECL 132 BLKSIZE 132
&STACK 0
&STACK 99
COSTER
&GOTO -DONE
-ERR
 &TYPE ABNORMAL TERMINATION IN COST ROUTINE EXEC
-DONE DET 199
 RELEASE H
 DET 198
 RELEASE G
 &EXIT
```

```
      COMMON/CD/CEM(35,10,2),ENAME(17),CNAME(17)                          COS00010
      DIMENSION SUBCAT(15,36,13),GAINS(35,15,10,2),ATTRIT(35,10,12)       COS00020
      INTEGER NGRD,NCAT,NAMCAT(15,2),TITLE(65),NAMFIL(2),NAMTYP(2)        COS00030
      DIMENSION DUM(35,15,10),FLOSS(35,11,10,15)                          COS00040
      DIMENSION COST(41,16),TCOST(61,16),FCOST(25,16),RCST(13,16,15)      COS00050
      INTEGER CMAP(68,2,15),CMTTL(17),FTTL(17),IGST(15)                   COS00060
      INTEGER CMNM(68,3),FXNM(25,3)                                       COS00070
C                                                                         COS00080
C                                                                         COS00090
      DATA FXNM/75*'TEST'/                                                COS00100
C****** READ IN DATA FROM FILES ********** (FORCE DATA)                   COS00110
C                                                                         COS00120
      READ(46) NGRD,NCAT,NAMCAT,TITLE,NAMFIL,NAMTYP                      COS00130
      READ(46) SUBCAT                                                     COS00140
C                                                                         COS00150
C***** (GAINS) ******                                                     COS00160
C                                                                         COS00170
      READ(49) DUM                                                        COS00180
      READ(49) DUM                                                        COS00190
      READ(49) GAINS                                                      COS00200
C                                                                         COS00210
C***** CALCULATE LOSSES *** (FLOSS = RATE * FORCE)                        COS00220
C                                                                         COS00230
      DO 100 IC=1,NCAT                                                    COS00240
      READ(48) ATTRIT                                                     COS00250
      DO 102 IG=1,NGRD                                                    COS00260
      DO 102 IY=1,35                                                      COS00270
      DO 102 IT=1,11                                                      COS00280
      FLOSS(IY,IT,IG,IC)=ATTRIT(IY,IG,IT)*SUBCAT(IC,IY,IG+3)              COS00290
102   CONTINUE                                                            COS00300
100   CONTINUE                                                            COS00310
C                                                                         COS00320
C******** READ IN COSTING MAP ********                                    COS00330
C                                                                         COS00340
      READ(31,3101) CMTTL                                                 COS00350
3101  FORMAT(17A4)                                                        COS00360
      DO 3102 I=1,7                                                       COS00370
      READ(31,3103) ITEMP                                                 COS00380
3103  FORMAT(A1)                                                          COS00390
3102  CONTINUE                                                            COS00400
      DO 3104 I=1,41                                                      COS00410
      READ(31,3105) (CMNM(I,J),J=1,3),((CMAP(I,1,K),CMAP(I,2,K)),K=1,15)COS00420
3105  FORMAT(A4,A4,A3,1X,15(I4,I4))                                       COS00430
3104  CONTINUE                                                            COS00440
C                                                                         COS00450
      DO 3110 I=1,10                                                      COS00460
```

```
      DO 3110 J=1,16                                                    COS00470
      FCOST(I,J)=0.0                                                    COS00480
3110  CONTINUE                                                          COS00490
C                                                                       COS00500
C****** READ IN FIXED COSTS **********                                  COS00510
C                                                                       COS00520
       DO 3106 I=42,66                                                  COS00530
       READ(31,3108,END=3113) (FXNM(I-41,J),J=1,3),(ICST(J),J=1,15)     COS00540
       DO 3107 J=1,15                                                   COS00550
       FCOST(I-41,J)=ICST(J)*1000                                       COS00560
3107  CONTINUE                                                          COS00570
3106  CONTINUE                                                          COS00580
3108  FORMAT(A4,A4,A3,1X,15I8)                                          COS00590
      GO TO 3111                                                        COS00600
C                                                                       COS00610
C******* INVALID COST MAP ( NO RET FIX COSTS )                         COS00620
C                                                                       COS00630
3113  CALL DISPCL                                                       COS00640
      WRITE(6,3112)                                                     COS00650
      WRITE(2,3112)                                                     COS00660
3112  FORMAT(//,1(1X,58(1H*),/),1X,                                     COS00670
     *'--- NO FIXED COSTS GIVEN FOR RETIREMENT IN COST MAP ---',/,1X,   COS00680
     *'--- RETIREMENT FIX COSTS SET TO ZERO--- EXECUTION CONTINUES',/,  COS00690
     *1(1X,58(1H*),/))                                                  COS00700
C                                                                       COS00710
C*************************************************************************COS00720
C*           BEGIN   COSTING  ROUTINE                                  COS00730
C*************************************************************************COS00740
C                                                                       COS00750
C====== MAINT COSTS FIRST ======                                        COS00760
C                                                                       COS00770
3111  DO 200 I=1,12                                                     COS00780
      DO 200 J=1,NCAT                                                   COS00790
      IE=CMAP(I,1,J)                                                    COS00800
      IC=CMAP(I,2,J)                                                    COS00810
      IF(IE.LE.0.OR.IC.LE.0)GO TO 200                                   COS00820
C                                                                       COS00830
      CALL LOADC(IE,IC,1)                                               COS00840
C                                                                       COS00850
      COST(I,J)=0.0                                                     COS00860
      DO 210 IY=1,35                                                    COS00870
      DO 210 IG=1,NGRD                                                  COS00880
      COST(I,J)=COST(I,J)+SUBCAT(J,IY,IG+3)*CEM(IY,IG,1)*CEM(IY,IG,2)   COS00890
210   CONTINUE                                                          COS00900
      COST(I,J)=COST(I,J)*12.                                           COS00910
200   CONTINUE                                                          COS00920
```

```
C*****************************************************************************COS00930
C                                                                             COS00940
C  THE FOLOOWING SECTION CREATES LOSS AND RETIREMENT COSTS                    COS00950
C  IT IS HARD CODED ( PER DESIGN )                                            COS00960
C                                                                             COS00970
C  RCST(1,*,*) = TERM LEAVE                                                   COS00980
C  RCST(2,*,*) = PCS-SEP                                                      COS00990
C  RCST(3,*,*,*) = BURIAL COSTS                                               COS01000
C  RCST(4,*,*) = DEATH GRATUITY                                               COS01010
C  RCST(5,*,*) = DIS. SEV PAY                                                 COS01020
C  RCST(6,*,*) = SEP PAY                                                      COS01030
C  RCST(7,*,*) = SBP-DIC SUPPL                                                COS01040
C  RCST(8,*,*) = RET-DIS                                                      COS01050
C  RCST(9,*,*) = RET-NON DIS                                                  COS01060
C  RCST(10,*,*)= SBP-RET(DIS)                                                 COS01070
C  RCST(11,*,*)= SBP-RET(TITLE III)                                           COS01080
C  RCST(12,*,*)= VESTING                                                      COS01090
C  RCST(13,*,*)= TITLE III                                                    COS01100
C                                                                             COS01110
C*****************************************************************************COS01120
C                                                                             COS01130
C---TERMINAL LEAVE/SEP PCS ------                                             COS01140
C                                                                             COS01150
      DO 300 I=13,14                                                          COS01160
      DO 299 J=1,NCAT                                                         COS01170
      IE=CMAP(I,1,J)                                                          COS01180
      IC=CMAP(I,2,J)                                                          COS01190
      IF(IE.EQ.0.OR.IC.EQ.0)GO TO 300                                         COS01200
      CALL LOADC(IE,IC,1)                                                     COS01210
      DO 301 IY=1,35                                                          COS01220
      DO 301 IT=3,11                                                          COS01230
      DO 301 IG=1,NGRD                                                        COS01240
      RCST(I-12,J,1)=RCST(I-12,J,1)+                                          COS01250
     *  FLOSS(IY,IT,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2)                          COS01260
301   CONTINUE                                                                COS01270
299   CONTINUE                                                                COS01280
300   CONTINUE                                                                COS01290
C                                                                             COS01300
C---BURIAL AND DEATH GRATUITY---                                              COS01310
C                                                                             COS01320
      DO 303 I=16,17                                                          COS01330
      IE=CMAP(I,1,1)                                                          COS01340
      IC=CMAP(I,2,1)                                                          COS01350
      IF(IE.EQ.0.OR.IC.EQ.0)GO TO 303                                         COS01360
      CALL LOADC(IE,IC,1)                                                     COS01370
      DO 302 J=1,NCAT                                                         COS01380
```

```
      DO 302 IY=1,35                                                    COS01390
      DO 302 IG=1,NGRD                                                  COS01400
      RCST(I-13,J,1)=RCST(I-13,J,1)+                                    COS01410
     *  FLOSS(IY,3,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2)                     COS01420
302   CONTINUE                                                          COS01430
303   CONTINUE                                                          COS01440
C                                                                       COS01450
C---DIS SEV AND SEP PAY----                                             COS01460
C                                                                       COS01470
      DO 305 I=22,23                                                    COS01480
      IE=CMAP(I,1,1)                                                    COS01490
      IC=CMAP(I,2,1)                                                    COS01500
      IF(IE.EQ.0.OR.IC.EQ.0)GO TO 305                                   COS01510
      CALL LOADC(IE,IC,1)                                               COS01520
      DO 304 J=1,NCAT                                                   COS01530
      DO 304 IY=1,35                                                    COS01540
      DO 304 IG=1,NGRD                                                  COS01550
      RCST(I-17,J,1)=RCST(I-17,J,1)+                                    COS01560
     *  FLOSS(IY,1-14,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2)                   COS01570
304   CONTINUE                                                          COS01580
305   CONTINUE                                                          COS01590
C                                                                       COS01600
C*********************************************************************  COS01610
C  FINISHED WITH BASIC LOSS COSTS--NOW DO RETIREMENT OPTIONS            COS01620
C*********************************************************************  COS01630
C                                                                       COS01640
      DO 310 K=1,15                                                     COS01650
C                                                                       COS01660
C---SBP-DIC SUPP--------                                                COS01670
C                                                                       COS01680
      I=15                                                              COS01690
      IE=CMAP(I,1,K)                                                    COS01700
      IC=CMAP(I,2,K)                                                    COS01710
      IF(IE.EQ.0.OR.IC.EQ.0)GO TO 312                                   COS01720
      CALL LOADC(IE,IC,1)                                               COS01730
      DO 311 J=1,NCAT                                                   COS01740
      DO 311 IY=1,35                                                    COS01750
      DO 311 IG=1,NGRD                                                  COS01760
      RCST(7,J,K)=RCST(7,J,K)+                                          COS01770
     *  FLOSS(IY,3,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2)                     COS01780
311   CONTINUE                                                          COS01790
C                                                                       COS01800
C--- RET-DIS ----                                                       COS01810
C                                                                       COS01820
312   I=18                                                              COS01830
      IE=CMAP(I,1,K)                                                    COS01840
```

```
      IC=CMAP(I,2,K)                                                    COS01850
      IF(IE.EQ.0.OR.IC.EQ.0)GO TO 314                                   COS01860
      CALL LOADC(IE,IC,1)                                               COS01870
      DO 313 J=1,NCAT                                                   COS01880
      DO 313 IY=1,35                                                    COS01890
      DO 313 IG=1,NGRD                                                  COS01900
      RCST(8,J,K)=RCST(8,J,K)+                                          COS01910
     *  FLOSS(IY,4,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2)                      COS01920
313   CONTINUE                                                          COS01930
C                                                                       COS01940
C--- RET-NON DIS ----                                                   COS01950
C                                                                       COS01960
314   I=19                                                              COS01970
      IE=CMAP(I,1,K)                                                    COS01980
      IC=CMAP(I,2,K)                                                    COS01990
      IF(IE.EQ.0.OR.IC.EQ.0) GO TO 316                                  COS02000
      CALL LOADC(IE,IC,1)                                               COS02010
      DO 315 J=1,NCAT                                                   COS02020
      DO 315 IY=1,35                                                    COS02030
      DO 315 IG=1,NGRD                                                  COS02040
      DO 315 IT=5,7                                                     COS02050
      RCST(9,J,K)=RCST(9,J,K)+                                          COS02060
     *  FLOSS(IY,IT,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2)                     COS02070
315   CONTINUE                                                          COS02080
C                                                                       COS02090
C--- SBP-RET(DIS) -----                                                 COS02100
C                                                                       COS02110
316   I=20                                                              COS02120
      IE=CMAP(I,1,K)                                                    COS02130
      IC=CMAP(I,2,K)                                                    COS02140
      IF(IE.EQ.0.OR.IC.EQ.0)GO TO 318                                   COS02150
      CALL LOADC(IE,IC,1)                                               COS02160
      DO 317  J=1,NCAT                                                  COS02170
      DO 317  IY=1,35                                                   COS02180
      DO 317  IG=1,NGRD                                                 COS02190
      DO 317  IT=4,7                                                    COS02200
      RCST(10,J,K)=RCST(10,J,K)+                                        COS02210
     *  FLOSS(IY,IT,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2)                     COS02220
317   CONTINUE                                                          COS02230
C                                                                       COS02240
C--- SBP-RET(TITLE III) -----                                           COS02250
C                                                                       COS02260
318   I=21                                                              COS02270
      IE=CMAP(I,1,K)                                                    COS02280
      IC=CMAP(I,2,K)                                                    COS02290
      IF(IE.EQ.0.OR.IC.EQ.0)GO TO 320                                   COS02300
```

```
      CALL LOADC(IE,IC,1)                                                    COS02310
      DO 319 J=1,NCAT                                                        COS02320
      DO 319 IY=1,35                                                         COS02330
      DO 319 IG=1,NGRD                                                       COS02340
      RCST(11,J,K)=RCST(11,J,K)+                                             COS02350
     *  FLOSS(IY,10,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2)                         COS02360
319   CONTINUE                                                               COS02370
C                                                                            COS02380
C-----VESTING------                                                          COS02390
C                                                                            COS02400
320   I=24                                                                   COS02410
      IE=CMAP(I,1,K)                                                         COS02420
      IC=CMAP(I,2,K)                                                         COS02430
      IF(IE.EQ.0.OR.IC.EQ.0)GO TO 322                                        COS02440
      CALL LOADC(IE,IC,1)                                                    COS02450
      DO 321 J=1,NCAT                                                        COS02460
      DO 321 IY=1,35                                                         COS02470
      DO 321 IG=1,NGRD                                                       COS02480
      DO 321 IT=8,11                                                         COS02490
      RCST(12,J,K)=RCST(12,J,K)+                                             COS02500
     *  FLOSS(IY,IT,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2)                         COS02510
321   CONTINUE                                                               COS02520
C                                                                            COS02530
C---- TITLE III ------                                                       COS02540
C                                                                            COS02550
322   I=25                                                                   COS02560
      IE=CMAP(I,1,K)                                                         COS02570
      IC=CMAP(I,2,K)                                                         COS02580
      IF(IE.EQ.0.OR.IC.EQ.0)GO TO 310                                        COS02590
      CALL LOADC(IE,IC,1)                                                    COS02600
      DO 323 J=1,NCAT                                                        COS02610
      DO 323 IY=1,35                                                         COS02620
      DO 323 IG=1,NGRD                                                       COS02630
      RCST(13,J,K)=RCST(13,J,K)+                                             COS02640
     *  FLOSS(IY,10,IG,J)*CEM(IY,IG,1)*CEM(IY,IG,2)                         COS02650
323   CONTINUE                                                               COS02660
C                                                                            COS02670
C****FINISHED LOOP THROUGH ANOTHER OPTION *********                          COS02680
C                                                                            COS02690
310   CONTINUE                                                               COS02700
C                                                                            COS02710
C*************************************************************************** COS02720
C                                                                            COS02730
C   NOW DO GAINS                                                             COS02740
C*************************************************************************** COS02750
C                                                                            COS02760
```

```
      DO 400 I=26,31                                                    COS02770
      DO 400 J=1,NCAT                                                   COS02780
      IE=CMAP(I,1,J)                                                    COS02790
      IC=CMAP(I,2,J)                                                    COS02800
      IF(IE.EQ.0.OR.IC.EQ.0) GO TO 400                                  COS02810
C                                                                       COS02820
      CALL LOADC(IE,IC,1)                                               COS02830
C                                                                       COS02840
      COST(I,J)=0.0                                                     COS02850
      DO 410 IY=1,35                                                    COS02860
      DO 410 IG=1,NGRD                                                  COS02870
      IF(I.GT.30) GO TO 411                                             COS02880
      COST(I,J)=COST(I,J)+GAINS(IY,J,IG,1)*CEM(IY,IG,1)*CEM(IY,IG,2)    COS02890
      GO TO 410                                                         COS02900
411   COST(I,J)=COST(I,J)+GAINS(IY,J,IG,2)*CEM(IY,IG,1)*CEM(IY,IG,2)    COS02910
410   CONTINUE                                                          COS02920
400   CONTINUE                                                          COS02930
C                                                                       COS02940
C ******** NOW COST OUT S & I PAYS ************                         COS02950
C                                                                       COS02960
      DO 500 I=32,41                                                    COS02970
      DO 500 J=1,NCAT                                                   COS02980
      IE=CMAP(I,1,J)                                                    COS02990
      IC=CMAP(I,2,J)                                                    COS03000
      IF(IE.EQ.0.OR.IC.EQ.0) GO TO 500                                  COS03010
C                                                                       COS03020
      CALL LOADC(IE,IC,1)                                               COS03030
C                                                                       COS03040
      COST(I,J)=0.0                                                     COS03050
      DO 510 IY=1,35                                                    COS03060
      DO 510 IG=1,NGRD                                                  COS03070
      COST(I,J)=COST(I,J)+SUBCAT(J,IY,IG+3)*CEM(IY,IG,1)*CEM(IY,IG,2)   COS03080
510   CONTINUE                                                          COS03090
500   CONTINUE                                                          COS03100
C                                                                       COS03110
C*********************************************************************** COS03120
C******** NOW COLLECT COSTS BY TYPE ********************************** COS03130
C*********************************************************************** COS03140
C                                                                       COS03150
      DO 1000 I=1,61                                                    COS03160
      DO 1000 J=1,16                                                    COS03170
      TCOST(I,J)=0.0                                                    COS03180
1000  CONTINUE                                                          COS03190
C                                                                       COS03200
      DO 1100 J=1,NCAT                                                  COS03210
      DO 1101 I=1,12                                                    COS03220
```

```
      TCOST(4,J)=TCOST(4,J)+COST(I,J)                                    COS03230
      COST(I,16)=COST(I,16)+COST(I,J)                                    COS03240
1101  CONTINUE                                                           COS03250
      DO 1102 I=1,6                                                      COS03260
      TCOST(10,J)=TCOST(10,J)+RCST(I,J,1)                                COS03270
      RCST(I,16,1)=RCST(I,16,1)+RCST(I,J,1)                              COS03280
1102  CONTINUE                                                           COS03290
      DO 1103 I=26,31                                                    COS03300
      TCOST(1,J)=TCOST(1,J)+COST(I,J)                                    COS03310
        COST(I,16) = COST(I,16) +COST(I,J)                               COS03320
1103  CONTINUE                                                           COS03330
      DO 1104 I=32,41                                                    COS03340
      TCOST(7,J)=TCOST(7,J)+COST(I,J)                                    COS03350
       COST(I,16) = COST(I,16) + COST(I,J)                               COS03360
1104  CONTINUE                                                           COS03370
      DO 1105 IOP=1,15                                                   COS03380
      DO 1105 I=7,13                                                     COS03390
      RCST(I,16,IOP)=RCST(I,16,IOP)+RCST(I,J,IOP)                        COS03400
1105  CONTINUE                                                           COS03410
1100  CONTINUE                                                           COS03420
C                                                                        COS03430
C ***** GATHER FIX COSTS *****                                           COS03440
C                                                                        COS03450
      DO 1110 J=1,NCAT                                                   COS03460
      DO 1111 I=1,5                                                      COS03470
      TCOST(5,J) = TCOST(5,J) + FCOST(I,J)                               COS03480
      TCOST(11,J) = TCOST(11,J) + FCOST(I+5,J)                           COS03490
      TCOST(2,J) = TCOST(2,J) + FCOST(I+10,J)                            COS03500
      TCOST(8,J) = TCOST(8,J) + FCOST(I+15,J)                            COS03510
      TCOST(16,J)=TCOST(16,J)+FCOST(I+20,J)                              COS03520
      FCOST(I,16) = FCOST(I,16) + FCOST(I,J)                             COS03530
      FCOST(I+5,16) = FCOST(I+5,16) + FCOST(I+5,J)                       COS03540
      FCOST(I+10,16) = FCOST(I+10,16) + FCOST(I+10,J)                    COS03550
      FCOST(I+15,16) = FCOST(I+15,16) + FCOST(I+15,J)                    COS03560
      FCOST(I+20,16) = FCOST(I+20,16) + FCOST(I+20,J)                    COS03570
1111  CONTINUE                                                           COS03580
1110  CONTINUE                                                           COS03590
C                                                                        COS03600
C ***** GATHER SUBTOTALS / TOTALS ********                               COS03610
C                                                                        COS03620
      DO 1120 J=1,NCAT                                                   COS03630
      TCOST(3,J) = TCOST(2,J) + TCOST(1,J)                               COS03640
      TCOST(6,J) = TCOST(5,J) + TCOST(4,J)                               COS03650
      TCOST(9,J) = TCOST(8,J) + TCOST(7,J)                               COS03660
      TCOST(12,J) = TCOST(11,J) + TCOST(10,J)                            COS03670
      TCOST(13,J)=TCOST(10,J)+TCOST(7,J)+TCOST(4,J)+TCOST(1,J)           COS03680
```

```
      TCOST(14,J)=TCOST(11,J)+TCOST(8,J)+TCOST(5,J)+TCOST(2,J)          COS03690
      TCOST(15,J)=TCOST(12,J)+TCOST(9,J)+TCOST(6,J)+TCOST(3,J)          COS03700
1120  CONTINUE                                                          COS03710
      DO 1121 I=1,16                                                    COS03720
      DO 1121 J=1,NCAT                                                  COS03730
      TCOST(I,16)=TCOST(I,16)+TCOST(I,J)                                COS03740
1121  CONTINUE                                                          COS03750
C*****************************************************                 COS03760
C     SUM UP RETIREMENT OPTIONS                                         COS03770
C*****************************************************                 COS03780
C                                                                       COS03790
      DO 1200 K=1,15                                                    COS03800
C                                                                       COS03810
C                                                                       COS03820
      IP=(K*3)-2                                                        COS03830
      DO 1201 I=7,13                                                    COS03840
      DO 1201 J=1,NCAT                                                  COS03850
      TCOST(16+IP,J)=TCOST(16+IP,J)+RCST(I,J,K)                         COS03860
1201  CONTINUE                                                          COS03870
C                                                                       COS03880
      DO 1204 J=1,NCAT                                                  COS03890
      TCOST(17+IP,J) = TCOST(17+IP,J) + TCOST(16+IP,J) + TCOST(16,J)    COS03900
1204  CONTINUE                                                          COS03910
C                                                                       COS03920
      DO 1202 J=1,NCAT                                                  COS03930
      TCOST(18+IP,J)=TCOST(17+IP,J)+TCOST(15,J)                         COS03940
1202  CONTINUE                                                          COS03950
C                                                                       COS03960
      DO 1203 J=1,NCAT                                                  COS03970
      TCOST(16+IP,16)=TCOST(16+IP,16)+TCOST(16+IP,J)                    COS03980
      TCOST(17+IP,16)=TCOST(17+IP,16)+TCOST(17+IP,J)                    COS03990
      TCOST(18+IP,16) = TCOST(18+IP,16) + TCOST(18+IP,J)                COS04000
1203  CONTINUE                                                          COS04010
C                                                                       COS04020
1200  CONTINUE                                                          COS04030
C                                                                       COS04040
C                                                                       COS04050
C*************************************************************************COS04060
C*                          PRINT REPORT                               *COS04070
C*************************************************************************COS04080
C                                                                       COS04090
       DO 700 J=1,16                                                    COS04100
       DO 701 I=1,61                                                    COS04110
       TCOST(I,J)=TCOST(I,J)/1000000.                                   COS04120
701    CONTINUE                                                         COS04130
       DO 702 I=1,41                                                    COS04140
```

```
       COST(I,J)=COST(I,J)/1000000.                                    COS04150
702    CONTINUE                                                        COS04160
       DO 703 I=1,13                                                   COS04170
      DO 704 K=1,15                                                    COS04180
       RCST(I,J,K)=RCST(I,J,K)/1000000.                                COS04190
704   CONTINUE                                                         COS04200
703    CONTINUE                                                        COS04210
      DO 705 I=1,25                                                    COS04220
      FCOST(I,J)=FCOST(I,J)/1000000.                                   COS04230
705   CONTINUE                                                         COS04240
700    CONTINUE                                                        COS04250
C                                                                      COS04260
      CALL DISPCL                                                      COS04270
      IO=6                                                             COS04280
887   WRITE(6,888)                                                     COS04290
888   FORMAT(1X,'OUTPUT TO PRINTER(0) OR TERMINAL(1)?  (99=STOP)')     COS04300
      READ(5,*) ICH                                                    COS04310
      IF(ICH.EQ.99) GO TO 9999                                         COS04320
      IF(ICH.LT.0.OR.ICH.GT.1)GO TO 887                                COS04330
      IO=(4*ICH)+2                                                     COS04340
899   WRITE(IO,900) TITLE,CMTTL,(NAMCAT(I,1),I=1,15)                   COS04350
900   FORMAT(1H1,' COST SUMMARY FOR : ',65A1,/,                        COS04360
     122X,17A4,//,' COST IN MILLIONS OF DOLLARS',                      COS04370
     1/,17X,15(1X,A4,2X),' TOTAL ',/,17X,16(1X,'-----',1X))           COS04380
901    FORMAT(/,1X,'MAINT. COSTS:')                                    COS04390
902    FORMAT(/,1X,'LOSS   COSTS:')                                    COS04400
903    FORMAT(/,1X,'GAIN   COSTS:')                                    COS04410
904    FORMAT(/,1X,'S & I  COSTS:')                                    COS04420
905    FORMAT(/,5X,'VARIABLE:',3X,15F7.1,F8.1)                         COS04430
906    FORMAT(8X,'FIXED:',3X,15F7.1,F8.1)                              COS04440
907    FORMAT(8X,'TOTAL:',3X,15F7.1,F8.1)                              COS04450
908    FORMAT(/,1X,'SUB    TOTAL:')                                    COS04460
909    FORMAT(/,1X,'RET. OPTIONS:')                                    COS04470
910    FORMAT(/,5X,'OPTION',I2,':',3X,15F7.1,F8.1)                     COS04480
911    FORMAT(1X,'*GRAND TOTAL*',3X,15F7.1,F8.1)                       COS04490
912    FORMAT(/,5X,'VARIABLE:')                                        COS04500
913    FORMAT(8X,'FIXED:')                                             COS04510
914    FORMAT(2X,A4,A4,A3,':',3X,15F7.1,F8.1)                          COS04520
915    FORMAT(///,4X,'OPTION',I3,':')                                  COS04530
C                                                                      COS04540
C                                                                      COS04550
C                                                                      COS04560
C ***** CREATE REPORT ( AGGREGATE ) ********                          COS04570
C                                                                      COS04580
C ** GAIN **                                                           COS04590
C                                                                      COS04600
```

```
      WRITE(IO,903)                                                    COS04610
      WRITE(IO,905) (TCOST(1,J),J=1,16)                                COS04620
      WRITE(IO,906) (TCOST(2,J),J=1,16)                                COS04630
      WRITE(IO,907) (TCOST(3,J),J=1,16)                                COS04640
C                                                                      COS04650
C ** MAINT **                                                          COS04660
C                                                                      COS04670
      WRITE(IO,901)                                                    COS04680
      WRITE(IO,905) (TCOST(4,J),J=1,16)                                COS04690
      WRITE(IO,906) (TCOST(5,J),J=1,16)                                COS04700
      WRITE(IO,907) (TCOST(6,J),J=1,16)                                COS04710
C                                                                      COS04720
C ** S & I **                                                          COS04730
C                                                                      COS04740
      WRITE(IO,904)                                                    COS04750
      WRITE(IO,905) (TCOST(7,J),J=1,16)                                COS04760
      WRITE(IO,906) (TCOST(8,J),J=1,16)                                COS04770
      WRITE(IO,907) (TCOST(9,J),J=1,16)                                COS04780
C                                                                      COS04790
C ** LOSS **                                                           COS04800
C                                                                      COS04810
      WRITE(IO,902)                                                    COS04820
      WRITE(IO,905) (TCOST(10,J),J=1,16)                               COS04830
      WRITE(IO,906) (TCOST(11,J),J=1,16)                               COS04840
      WRITE(IO,907) (TCOST(12,J),J=1,16)                               COS04850
C                                                                      COS04860
C ** SUB TOTALS **                                                     COS04870
C                                                                      COS04880
      WRITE(IO,908)                                                    COS04890
      WRITE(IO,905) (TCOST(13,J),J=1,16)                               COS04900
      WRITE(IO,906) (TCOST(14,J),J=1,16)                               COS04910
      WRITE(IO,907) (TCOST(15,J),J=1,16)                               COS04920
C                                                                      COS04930
C ** RETIREMENT OPTIONS **                                             COS04940
C                                                                      COS04950
      WRITE(IO,900) TITLE,CMTTL,(NAMCAT(I,1),I=1,15)                   COS04960
      WRITE(IO,909)                                                    COS04970
C                                                                      COS04980
      DO 2001 IR = 1,15                                                COS04990
      IL=(IR*3-2)+16                                                   COS05000
      IF(TCOST(IL+1,16).LE.0.0) GO TO 2001                             COS05010
      WRITE(IO,910) IR,(TCOST(IL,J),J=1,16)                            COS05020
      WRITE(IO,906) (TCOST(16,J),J=1,16)                               COS05030
      WRITE(IO,907) (TCOST(IL+1,J),J=1,16)                             COS05040
      WRITE(IO,911) (TCOST(IL+2,J),J=1,16)                             COS05050
2001  CONTINUE                                                         COS05060
```

```
C                                                                       COS05070
C ************** NOW PRINT OUT DISAGGREGATE COSTS **************       COS05080
C                                                                       COS05090
      WRITE(IO,900) TITLE,CMTTL,(NAMCAT(1,1),1=1,15)                    COS05100
C                                                                       COS05110
C***** GAIN ***** VAR                                                  COS05120
C                                                                       COS05130
      WRITE(IO,903)                                                     COS05140
      WRITE(IO,912)                                                     COS05150
      DO 3001 I=26,31                                                   COS05160
      IF(COST(I,16).LE.0.0) GO TO 3001                                  COS05170
      WRITE(IO,914) (CMNM(I,J),J=1,3),(COST(I,J),J=1,16)                COS05180
3001  CONTINUE                                                          COS05190
C                                                                       COS05200
C *** GAIN *** FIX                                                      COS05210
C                                                                       COS05220
      DO 3002 I=11,15                                                   COS05230
      IF(FCOST(I,16).LE.0.0) GO TO 3002                                 COS05240
      WRITE(IO,914) (FXNM(I,J),J=1,3),(FCOST(I,J),J=1,16)               COS05250
3002  CONTINUE                                                          COS05260
      WRITE(IO,907) (TCOST(3,J),J=1,16)                                 COS05270
C                                                                       COS05280
C                                                                       COS05290
C**** MAINT **** VAR                                                    COS05300
C                                                                       COS05310
      WRITE(IO,901)                                                     COS05320
      WRITE(IO,912)                                                     COS05330
      DO 3003 I=1,12                                                    COS05340
      IF(COST(I,16).LE.0.0) GO TO 3003                                  COS05350
      WRITE(IO,914) (CMNM(I,J),J=1,3),(COST(I,J),J=1,16)                COS05360
3003  CONTINUE                                                          COS05370
C                                                                       COS05380
C *** MAINT *** FIX                                                     COS05390
C                                                                       COS05400
      DO 3004 I=1,5                                                     COS05410
      IF(FCOST(I,16).LE.0.0) GO TO 3004                                 COS05420
      WRITE(IO,914) (FXNM(I,J),J=1,3),(FCOST(I,J),J=1,16)               COS05430
3004  CONTINUE                                                          COS05440
      WRITE(IO,907) (TCOST(6,J),J=1,16)                                 COS05450
C                                                                       COS05460
C**** S & I  *** VAR                                                    COS05470
C                                                                       COS05480
      WRITE(IO,904)                                                     COS05490
      WRITE(IO,912)                                                     COS05500
      DO 3005 I=32,41                                                   COS05510
      IF(COST(I,16).LE.0.0) GO TO 3005                                  COS05520
```

```
      WRITE(IO,914) (CMNM(I,J),J=1,3),(COST(I,J),J=1,16)                COS05530
3005  CONTINUE                                                          COS05540
C                                                                       COS05550
C *** S & I *** FIX                                                     COS05560
C                                                                       COS05570
      DO 3006 I=16,20                                                   COS05580
      IF(FCOST(I,16).LE.0.0) GO TO 3006                                 COS05590
      WRITE(IO,914) (FXNM(I,J),J=1,3),(FCOST(I,J),J=1,16)               COS05600
3006  CONTINUE                                                          COS05610
      WRITE(IO,907) (TCOST(9,J),J=1,16)                                 COS05620
C                                                                       COS05630
C***** LOSS ***** VAR                                                   COS05640
C                                                                       COS05650
      WRITE(IO,902)                                                     COS05660
      WRITE(IO,912)                                                     COS05670
      IF(RCST(1,16,1).LE.0.0) GO TO 30071                               COS05680
      WRITE(IO,914) (CMNM(13,J),J=1,3),(RCST(1,J,1),J=1,16)             COS05690
30071 IF(RCST(2,16,1).LE.0.0) GO TO 30072                               COS05700
      WRITE(IO,914) (CMNM(14,J),J=1,3),(RCST(2,J,1),J=1,16)             COS05710
30072 IF(RCST(3,16,1).LE.0.0) GO TO 30073                               COS05720
      WRITE(IO,914) (CMNM(16,J),J=1,3),(RCST(3,J,1),J=1,16)             COS05730
30073 IF(RCST(4,16,1).LE.0.0) GO TO 30074                               COS05740
      WRITE(IO,914) (CMNM(17,J),J=1,3),(RCST(4,J,1),J=1,16)             COS05750
30074 IF(RCST(5,16,1).LE.0.0) GO TO 30075                               COS05760
      WRITE(IO,914) (CMNM(22,J),J=1,3),(RCST(5,J,1),J=1,16)             COS05770
30075 IF(RCST(6,16,1).LE.0.0) GO TO 30076                               COS05780
      WRITE(IO,914) (CMNM(23,J),J=1,3),(RCST(6,J,1),J=1,16)             COS05790
30076 CONTINUE                                                          COS05800
C                                                                       COS05810
C *** LOSS *** FIX                                                      COS05820
C                                                                       COS05830
      DO 3008 I=6,10                                                    COS05840
      IF(FCOST(I,16).LE.0.0) GO TO 3008                                 COS05850
      WRITE(IO,914) (FXNM(I,J),J=1,3),(FCOST(I,J),J=1,16)               COS05860
3008  CONTINUE                                                          COS05870
      WRITE(IO,907) (TCOST(12,J),J=1,16)                                COS05880
C                                                                       COS05890
C******** SUB-TOTAL ********                                            COS05900
C                                                                       COS05910
      WRITE(IO,908)                                                     COS05920
      WRITE(IO,907) (TCOST(15,J),J=1,16)                                COS05930
C*************************************************************************COS05940
C  PPRINT OUT RETIREMENT OPTIONS (3 TO A PAGE)                          COS05950
C*************************************************************************COS05960
C                                                                       COS05970
      DO 3100 IOPT=1,13,3                                               COS05980
```

```
C                                                                       COS05990
      WRITE(IO,900) TITLE,CMTTL,(NAMCAT(I,1),I=1,15)                    COS06000
C                                                                       COS06010
      DO 3201 I=1,3                                                     COS06020
      IR=IOPT+I-1                                                       COS06030
      WRITE(IO,915) IR                                                  COS06040
      WRITE(IO,914) (CMNM(15,J),J=1,3),(RCST(7,J,IR),J=1,16)            COS06050
      WRITE(IO,914) (CMNM(18,J),J=1,3),(RCST(8,J,IR),J=1,16)            COS06060
      WRITE(IO,914) (CMNM(19,J),J=1,3),(RCST(9,J,IR),J=1,16)            COS06070
      WRITE(IO,914) (CMNM(20,J),J=1,3),(RCST(10,J,IR),J=1,16)           COS06080
      WRITE(IO,914) (CMNM(21,J),J=1,3),(RCST(11,J,IR),J=1,16)           COS06090
      WRITE(IO,914) (CMNM(24,J),J=1,3),(RCST(12,J,IR),J=1,16)           COS06100
      WRITE(IO,914) (CMNM(25,J),J=1,3),(RCST(13,J,IR),J=1,16)           COS06110
      DO 3202 K=21,25                                                   COS06120
      IF(FCOST(K,16).LE.0.0) GO TO 3202                                 COS06130
      WRITE(IO,914) (FXNM(K,J),J=1,3),(FCOST(K,J),J=1,16)               COS06140
3202  CONTINUE                                                          COS06150
      IL=(IR*3-2)+16                                                    COS06160
      WRITE(IO,907) (TCOST(IL+1,J),J=1,16)                              COS06170
      WRITE(IO,911) (TCOST(IL+2,J),J=1,16)                              COS06180
3201  CONTINUE                                                          COS06190
3100  CONTINUE                                                          COS06200
C                                                                       COS06210
C                                                                       COS06220
C*********************************************************************  COS06230
C   NOW PRINT OUT TITLES OF COST FILES USED                             COS06240
C*********************************************************************  COS06250
C                                                                       COS06260
C3998  WRITE(6,3999)                                                    COS06270
C3999  FORMAT(1X,'DO YOU WANT LISTING OF COST FILES USED?',/,           COS06280
C     11X,'1=YES 2=NO')                                                 COS06290
C     READ(5,*) ILP                                                    COS06300
3998  ILP=2                                                             COS06310
      IF(ILP.NE.1.AND.ILP.NE.2) GO TO 3998                              COS06320
      IF(ILP.EQ.2) GO TO 887                                            COS06330
      WRITE(IO,4000) TITLE,CMTTL                                        COS06340
4000  FORMAT(1H1,'LISTING OF COST FILES USED IN COSTING :',65A1,        COS06350
     */,1X,17A4)                                                        COS06360
C                                                                       COS06370
      DO 600 J=1,NCAT                                                   COS06380
      WRITE(IO,4002) NAMCAT(J,1)                                        COS06390
4002  FORMAT(1X,'***** CATEGORY = ',A4,' *****')                        COS06400
      WRITE(IO,901)                                                     COS06410
      DO 601 I=1,12                                                     COS06420
      IE=CMAP(I,1,J)                                                    COS06430
      IC=CMAP(1,2,J)                                                    COS06440
```

```
      IF(IE.EQ.0.OR.IC.EQ.0) GO TO 601                                  COS06450
      CALL LOADC(IE,IC,2)                                               COS06460
      WRITE(IO,4001) IE,IC,I,CNAME,ENAME                                COS06470
4001  FORMAT(1X,'(',I4,'/',I4,')',3X,I2,':',3X,17A4,/,21X,17A4)         COS06480
601   CONTINUE                                                          COS06490
C                                                                       COS06500
      WRITE(IO,902)                                                     COS06510
      DO 602 I=13,25                                                    COS06520
      IE=CMAP(I,1,J)                                                    COS06530
      IC=CMAP(I,2,J)                                                    COS06540
      IF(IE.EQ.0.OR.IC.EQ.0) GO TO 602                                  COS06550
      CALL LOADC(IE,IC,2)                                               COS06560
      WRITE(IO,4001) IE,IC,I,CNAME,ENAME                                COS06570
602   CONTINUE                                                          COS06580
C                                                                       COS06590
      WRITE(IO,903)                                                     COS06600
      DO 603 I=26,31                                                    COS06610
      IE=CMAP(I,1,J)                                                    COS06620
      IC=CMAP(I,2,J)                                                    COS06630
      IF(IE.EQ.0.OR.IC.EQ.0) GO TO 603                                  COS06640
      CALL LOADC(IE,IC,2)                                               COS06650
      WRITE(IO,4001) IE,IC,I,CNAME,ENAME                                COS06660
603   CONTINUE                                                          COS06670
C                                                                       COS06680
      WRITE(IO,904)                                                     COS06690
      DO 604 I=32,41                                                    COS06700
      IE=CMAP(I,1,J)                                                    COS06710
      IC=CMAP(I,2,J)                                                    COS06720
      IF(IE.EQ.0.OR.IC.EQ.0) GO TO 604                                  COS06730
      CALL LOADC(IE,IC,2)                                               COS06740
      WRITE(IO,4001) IE,IC,I,CNAME,ENAME                                COS06750
604   CONTINUE                                                          COS06760
C                                                                       COS06770
600   CONTINUE                                                          COS06780
      WRITE(IO,4004)                                                    COS06790
4004  FORMAT(//,1X,'******** FINISHED LISTING COST FILE NAMES ********') COS06800
      GO TO 887                                                         COS06810
9999  STOP                                                              COS06820
      END                                                               COS06830
C                                                                       COS06840
      SUBROUTINE LOADC(IE,IC,IOP)                                       COS06850
      COMMON/CD/CEM(35,10,2),ENAME(17),CNAME(17)                        COS06860
      DATA INIT/0/                                                      COS06870
       DATA ILC/-1/,ILE/-1/                                             COS06880
C                                                                       COS06890
C***** LOAD COST DATA BASE *****                                        COS06900
```

```
C                                                                       COS06910
      IF(INIT.GT.0) GO TO 40                                            COS06920
      DEFINE FILE 30(54001,17,U,ID)                                     COS06930
      INIT=1                                                            COS06940
40    GO TO (50,300),IOP                                                COS06950
C                                                                       COS06960
C                                                                       COS06970
C ***** LOAD ENTITLEMENT MATIX *********                               COS06980
C                                                                       COS06990
50    IF(ILE.EQ.IE) GO TO 150                                           COS07000
      ILE=IE                                                            COS07010
      ID=(IE*36)-34                                                     COS07020
      READ(30'ID) ENAME                                                 COS07030
      DO 100 I=1,35                                                     COS07040
      READ(30'ID) (CEM(I,J,1),J=1,10)                                   COS07050
100   CONTINUE                                                          COS07060
C                                                                       COS07070
C***** NOW LOAD COST MATRIX ******                                      COS07080
C                                                                       COS07090
150   IF(ILC.EQ.IC) GO TO 250                                           COS07100
      ILC=IC                                                            COS07110
      ID=(IC*36)-34                                                     COS07120
      READ(30'ID) CNAME                                                 COS07130
      DO 200 I=1,35                                                     COS07140
      READ(30'ID) (CEM(I,J,2),J=1,10)                                   COS07150
200   CONTINUE                                                          COS07160
C                                                                       COS07170
250   RETURN                                                            COS07180
C*************************************************************************COS07190
C              THIS SECTION READS TITLES ONLY                           COS07200
C*************************************************************************COS07210
C                                                                       COS07220
300   ID=(IE*36)-34                                                     COS07230
      READ(30'ID) ENAME                                                 COS07240
      ID=(IC*36)-34                                                     COS07250
      READ(30'ID) CNAME                                                 COS07260
350   RETURN                                                            COS07270
      END                                                               COS07280
```

COST SUMMARY FOR : EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)
COST MATRIX MAP FOR: ARMY ENLISTED;RETIREMENT IS CURRENT TERM PAY

COST IN MILLIONS OF DOLLARS

	00	01	02	03	04	05	06	07	08	NONE	NONE	NONE	NONE	NONE	NONE	TOTAL
GAIN COSTS:																
VARIABLE:	345.8	45.9	151.3	85.7	20.8	123.2	155.2	22.3	111.2	0.0	0.0	0.0	0.0	0.0	0.0	1061.4
FIXED:	478.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	478.0
TOTAL:	823.8	45.9	151.3	85.7	20.8	123.2	155.2	22.3	111.2	0.0	0.0	0.0	0.0	0.0	0.0	1539.4
MAINT. COSTS:																
VARIABLE:	2292.6	533.8	1114.6	553.7	255.6	1726.6	1405.7	226.0	1070.9	0.0	0.0	0.0	0.0	0.0	0.0	9179.5
FIXED:	644.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	644.8
TOTAL:	2937.4	533.8	1114.6	553.7	255.6	1726.6	1405.7	226.0	1070.9	0.0	0.0	0.0	0.0	0.0	0.0	9824.3
S & I COSTS:																
VARIABLE:	64.5	3.8	20.2	3.5	4.7	0.7	7.9	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	105.8
FIXED:	58.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.8
TOTAL:	123.3	3.8	20.2	3.5	4.7	0.7	7.9	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	164.6
LOSS COSTS:																
VARIABLE:	47.3	9.0	23.3	9.8	4.2	27.7	31.4	4.9	22.4	0.0	0.0	0.0	0.0	0.0	0.0	179.9
FIXED:	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
TOTAL:	49.7	9.0	23.3	9.8	4.2	27.7	31.4	4.9	22.4	0.0	0.0	0.0	0.0	0.0	0.0	182.3
SUB TOTAL:																
VARIABLE:	2750.1	592.5	1309.3	652.8	285.4	1878.2	1600.1	253.5	1204.8	0.0	0.0	0.0	0.0	0.0	0.0	10526.7
FIXED:	1184.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1184.0
TOTAL:	3934.1	592.5	1309.3	652.8	285.4	1878.2	1600.1	253.5	1204.8	0.0	0.0	0.0	0.0	0.0	0.0	11710.7

COST S\. 'AR 'OR : EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)
COST MATRIX MAP FOR: ARMY ENLISTED;RETIREMENT IS CURRENT TERM PAY

COST IN MILLIONS OF DOLLARS

	00	01	02	03	04	05	06	07	08	NONE	NONE	NONE	NONE	NONE	NONE	TOTAL
RET. OPTIONS:																
OPTION 1:	803.5	216.7	359.3	180.2	115.6	791.1	404.5	71.3	329.0	0.0	0.0	0.0	0.0	0.0	0.0	3271.4
FIXED:	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0
TOTAL:	941.5	216.7	359.3	180.2	115.5	791.1	404.5	71.3	329.0	0.0	0.0	0.0	0.0	0.0	0.0	3409.4
GRAND TOTAL	4875.7	809.1	1668.7	833.0	401.0	2669.3	2004.6	324.9	1533.8	0.0	0.0	0.0	0.0	0.0	0.0	15120.1
OPTION 2:	730.7	197.3	327.0	164.0	105.3	718.3	368.5	65.0	299.4	0.0	0.0	0.0	0.0	0.0	0.0	2975.4
FIXED:	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0
TOTAL:	868.7	197.3	327.0	164.0	105.3	718.3	368.5	65.0	299.4	0.0	0.0	0.0	0.0	0.0	0.0	3113.4
GRAND TOTAL	4802.8	789.8	1636.3	816.8	390.6	2596.5	1968.6	318.5	1504.2	0.0	0.0	0.0	0.0	0.0	0.0	14824.1
OPTION 3:	640.4	170.2	284.9	143.5	91.8	627.4	323.0	57.6	263.0	0.0	0.0	0.0	0.0	0.0	0.0	2601.6
FIXED:	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0
TOTAL:	778.4	170.2	284.9	143.5	91.8	627.4	323.0	57.6	263.0	0.0	0.0	0.0	0.0	0.0	0.0	2739.6
GRAND TOTAL	4712.5	762.7	1594.2	796.3	377.1	2505.5	1923.1	311.1	1467.8	0.0	0.0	0.0	0.0	0.0	0.0	14450.3
OPTION 4:	595.3	156.7	263.9	133.2	85.0	581.9	300.3	53.9	244.8	0.0	0.0	0.0	0.0	0.0	0.0	2415.0
FIXED:	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0
TOTAL:	733.3	156.7	263.9	133.2	85.0	581.9	300.3	53.9	244.8	0.0	0.0	0.0	0.0	0.0	0.0	2553.0
GRAND TOTAL	4667.5	749.2	1573.2	786.0	370.4	2460.1	1900.4	307.4	1449.6	0.0	0.0	0.0	0.0	0.0	0.0	14263.7
OPTION 5:	550.2	143.1	242.8	122.9	78.3	536.5	277.6	50.2	226.7	0.0	0.0	0.0	0.0	0.0	0.0	2228.3
FIXED:	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0
TOTAL:	688.2	143.1	242.8	122.9	78.3	536.5	277.6	50.2	226.7	0.0	0.0	0.0	0.0	0.0	0.0	2366.3
GRAND TOTAL	4622.3	735.6	1552.2	775.7	363.7	2414.7	1877.7	303.7	1431.5	0.0	0.0	0.0	0.0	0.0	0.0	14077.0
OPTION 6:	607.8	162.3	272.8	138.1	88.3	597.5	312.5	55.4	253.2	0.0	0.0	0.0	0.0	0.0	0.0	2487.9
FIXED:	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0
TOTAL:	745.8	162.3	272.8	138.1	88.3	597.5	312.5	55.4	253.2	0.0	0.0	0.0	0.0	0.0	0.0	2625.9
GRAND TOTAL	4679.9	754.8	1582.1	790.9	373.6	2475.7	1912.6	309.0	1458.0	0.0	0.0	0.0	0.0	0.0	0.0	14336.6
OPTION 7:	546.6	144.8	245.8	125.1	79.9	537.6	284.6	50.7	230.2	0.0	0.0	0.0	0.0	0.0	0.0	2245.3
FIXED:	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0
TOTAL:	684.6	144.8	245.8	125.1	79.9	537.6	284.6	50.7	230.2	0.0	0.0	0.0	0.0	0.0	0.0	2383.3
GRAND TOTAL	4618.7	737.3	1555.1	777.9	365.2	2415.8	1884.7	304.2	1435.0	0.0	0.0	0.0	0.0	0.0	0.0	14093.9
OPTION 8:	485.4	127.4	218.8	112.2	71.5	477.7	256.8	46.0	207.3	0.0	0.0	0.0	0.0	0.0	0.0	2002.9
FIXED:	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0
TOTAL:	623.4	127.4	218.8	112.2	71.5	477.7	256.8	46.0	207.3	0.0	0.0	0.0	0.0	0.0	0.0	2140.9
GRAND TOTAL	4557.5	719.8	1528.1	765.0	356.8	2355.9	1856.9	299.5	1412.1	0.0	0.0	0.0	0.0	0.0	0.0	13851.5
OPTION 9:	578.9	156.5	256.7	127.0	82.0	571.7	282.3	49.3	231.5	0.0	0.0	0.0	0.0	0.0	0.0	2335.8
FIXED:	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0
TOTAL:	716.9	156.5	256.7	127.0	82.0	571.7	282.3	49.3	231.5	0.0	0.0	0.0	0.0	0.0	0.0	2473.8
GRAND TOTAL	4651.1	748.9	1566.0	779.8	367.3	2449.9	1882.4	302.8	1436.3	0.0	0.0	0.0	0.0	0.0	0.0	14184.5
OPTION10:	612.4	165.6	272.2	135.1	87.1	604.3	301.1	52.7	246.3	0.0	0.0	0.0	0.0	0.0	0.0	2476.7
FIXED:	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0
TOTAL:	750.4	165.6	272.2	135.1	87.1	604.3	301.1	52.7	246.3	0.0	0.0	0.0	0.0	0.0	0.0	2614.7
GRAND TOTAL	4684.5	758.0	1581.5	787.9	372.4	2482.5	1901.1	306.2	1451.1	0.0	0.0	0.0	0.0	0.0	0.0	14325.3
OPTION11:	649.3	175.6	289.3	144.1	92.8	640.1	321.9	56.4	262.8	0.0	0.0	0.0	0.0	0.0	0.0	2632.3
FIXED:	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0
TOTAL:	787.3	175.6	289.3	144.1	92.8	640.1	321.9	56.4	262.8	0.0	0.0	0.0	0.0	0.0	0.0	2770.3

GRAND TOTAL	4721.4	768.0	1598.6	796.9	378.1	2518.3	1922.0	310.0	1467.6	0.0	0.0	0.0	0.0	0.0	0.0	14481.0
OPTION12:	474.1	128.3	211.1	104.9	67.6	467.8	234.2	41.0	191.4	0.0	0.0	0.0	0.0	0.0	0.0	1920.3
FIXED:	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0
TOTAL:	612.1	128.3	211.1	104.9	67.6	467.8	234.2	41.0	191.4	0.0	0.0	0.0	0.0	0.0	0.0	2058.3
GRAND TOTAL	4546.2	720.7	1520.4	757.7	353.0	2345.9	1834.3	294.5	1396.2	0.0	0.0	0.0	0.0	0.0	0.0	13769.0
OPTION13:	525.3	142.1	234.1	116.6	75.1	518.0	260.6	45.7	212.7	0.0	0.0	0.0	0.0	0.0	0.0	2130.2
FIXED:	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0
TOTAL:	663.3	142.1	234.1	116.6	75.1	518.0	260.6	45.7	212.7	0.0	0.0	0.0	0.0	0.0	0.0	2268.2
GRAND TOTAL	4597.4	734.6	1543.5	769.4	360.4	2396.2	1860.7	299.2	1417.5	0.0	0.0	0.0	0.0	0.0	0.0	13978.9
OPTION14:	585.4	158.3	261.3	130.4	83.9	576.8	291.9	51.2	237.9	0.0	0.0	0.0	0.0	0.0	0.0	2377.1
FIXED:	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0
TOTAL:	723.4	158.3	261.3	130.4	83.9	576.8	291.9	51.2	237.9	0.0	0.0	0.0	0.0	0.0	0.0	2515.1
GRAND TOTAL	4657.5	750.8	1570.6	783.2	369.2	2455.0	1892.0	304.8	1442.7	0.0	0.0	0.0	0.0	0.0	0.0	14225.7
OPTION15:	616.8	166.8	275.5	137.7	88.5	607.5	308.4	54.2	251.2	0.0	0.0	0.0	0.0	0.0	0.0	2506.5
FIXED:	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0
TOTAL:	754.8	166.8	275.5	137.7	88.5	607.5	308.4	54.2	251.2	0.0	0.0	0.0	0.0	0.0	0.0	2644.5
GRAND TOTAL	4689.0	759.2	1584.8	790.5	373.9	2485.7	1908.5	307.7	1456.0	0.0	0.0	0.0	0.0	0.0	0.0	14355.2

COST SUMMARY FOR : EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)
COST MATRIX MAP FOR: ARMY ENLISTED;RETIREMENT IS CURRENT TERM PAY

COST IN MILLIONS OF DOLLARS	00	01	02	03	04	05	06	07	08	NONE	NONE	NONE	NONE	NONE	NONE	TOTAL
GAIN COSTS:																
VARIABLE:																
26 GAIN ACQ:	124.3	23.8	59.3	26.1	10.2	67.9	84.3	12.3	61.4	0.0	0.0	0.0	0.0	0.0	0.0	469.6
27 GAIN IST:	118.5	20.9	57.3	29.6	9.0	55.2	68.4	10.0	49.8	0.0	0.0	0.0	0.0	0.0	0.0	418.7
28 GAIN BNS:	103.0	1.2	34.6	0.0	1.7	0.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	143.1
53 FG2 TRNG:	478.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	478.0
TOTAL:	823.8	45.9	151.3	85.7	20.8	123.2	155.2	22.3	111.2	0.0	0.0	0.0	0.0	0.0	0.0	1539.4
MAINT. COSTS:																
VARIABLE:																
01 BASE PAY:	1704.0	397.1	827.1	410.7	190.1	1266.0	1042.4	167.6	795.1	0.0	0.0	0.0	0.0	0.0	0.0	6819.9
02 BAQ :	199.9	48.3	98.5	50.0	23.6	158.0	120.7	19.7	92.7	0.0	0.0	0.0	0.0	0.0	0.0	811.4
03 BAS :	222.7	49.2	108.2	52.7	23.2	155.4	141.5	22.4	106.1	0.0	0.0	0.0	0.0	0.0	0.0	881.3
04 FICA :	113.9	26.5	55.3	27.5	12.7	86.0	69.7	11.2	53.1	0.0	0.0	0.0	0.0	0.0	0.0	455.9
05 VHA :	34.1	8.5	16.8	8.5	4.1	28.1	20.2	3.3	15.5	0.0	0.0	0.0	0.0	0.0	0.0	139.2
07 CLTHG MT:	18.0	4.1	8.8	4.4	2.0	13.2	11.2	1.8	8.5	0.0	0.0	0.0	0.0	0.0	0.0	71.9
42 FM1 PCS :	514.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	514.2
43 FM2 STOR:	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3
44 FM3 OSA :	86.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86.0
45 FM4 FSA :	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.5
46 FM5 CLTH:	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8
TOTAL:	2937.4	533.8	1114.6	553.7	255.6	1726.6	1405.7	226.0	1070.9	0.0	0.0	0.0	0.0	0.0	0.0	9824.3
S & I COSTS:																
VARIABLE:																
37 S&I SRB :	64.5	3.8	20.2	3.5	4.7	0.7	7.9	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	105.8
57 FST MISC:	58.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.8
TOTAL:	123.3	3.8	20.2	3.5	4.7	0.7	7.9	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	164.6
LOSS COSTS:																
VARIABLE:																
13 TERM LV :	22.1	4.4	10.6	4.7	2.0	13.7	14.1	2.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	84.3
14 PCS-SEPN:	22.3	4.2	10.6	4.6	1.8	12.1	15.1	2.2	11.0	0.0	0.0	0.0	0.0	0.0	0.0	83.9
17 DEATH :	1.0	0.2	0.4	0.1	0.1	0.5	0.8	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	3.6
22 OTH-DIS :	1.9	0.2	1.7	0.5	0.3	1.4	1.4	0.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	8.2
47 FLT MISC:	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
TOTAL:	49.7	9.0	23.3	9.8	4.2	27.7	31.4	4.9	22.4	0.0	0.0	0.0	0.0	0.0	0.0	182.3
SUB TOTAL:																
TOTAL:	3934.1	592.5	1309.3	652.8	285.4	1878.2	1600.1	253.5	1204.8	0.0	0.0	0.0	0.0	0.0	0.0	11710.7

COST SUMMARY FOR : EXAMPLE RUN OF ARMY E LISTED CURR OBJ FILE (ACE09CAT)
COST MATRIX MAP FOR: ARMY ENLISTED;RETIREMENT IS CURRENT TERM PAY

COST IN MILLIONS OF DOLLARS

	O0	O1	O2	O3	O4	O5	O6	O7	O8	NONE	NONE	NONE	NONE	NONE	NONE	TOTAL
OPTION 1:																
15 SBP-DIC :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 RET-DIS :	130.4	24.6	62.8	38.2	23.5	131.9	99.0	19.3	77.3	0.0	0.0	0.0	0.0	0.0	0.0	607.0
19 RET-NDIS:	673.1	192.1	296.6	142.0	92.1	659.2	305.5	52.0	251.7	0.0	0.0	0.0	0.0	0.0	0.0	2664.4
20 SBP-ACT :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 SBP-III :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 VESTING :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 TITLE 3 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 FR1 TIII:	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 FR2 SBP :	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
TOTAL:	941.5	216.7	359.3	180.2	115.6	791.1	404.5	71.3	329.0	0.0	0.0	0.0	0.0	0.0	0.0	91.1
GRAND TOTAL	4875.7	809.1	1668.7	833.0	401.9	2669.3	2004.6	324.9	1533.8	0.0	0.0	0.0	0.0	0.0	0.0	3409.4
																15120.1
OPTION 2:																
15 SBP-DIC :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 RET-DIS :	119.1	22.4	56.9	34.7	21.3	119.3	89.9	17.5	70.1	0.0	0.0	0.0	0.0	0.0	0.0	551.1
19 RET-NDIS:	611.6	174.9	270.0	129.4	84.0	599.0	278.3	47.5	229.3	0.0	0.0	0.0	0.0	0.0	0.0	2424.3
20 SBP-ACT :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 SBP-III :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 VESTING :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 TITLE 3 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 FR1 TIII:	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 FR2 SBP :	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
TOTAL:	868.7	197.3	327.0	164.0	105.3	718.3	368.5	65.0	299.4	0.0	0.0	0.0	0.0	0.0	0.0	91.1
GRAND TOTAL	4802.8	789.8	1636.3	816.8	390.6	2596.5	1968.6	318.5	1504.2	0.0	0.0	0.0	0.0	0.0	0.0	3113.4
																14824.1
OPTION 3:																
15 SBP-DIC :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 RET-DIS :	118.9	22.4	56.9	34.7	21.1	119.0	89.7	17.5	69.9	0.0	0.0	0.0	0.0	0.0	0.0	549.9
19 RET-NDIS:	521.5	147.8	228.0	108.8	70.6	508.4	233.3	40.1	193.1	0.0	0.0	0.0	0.0	0.0	0.0	2051.7
20 SBP-ACT :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 SBP-III :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 VESTING :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 TITLE 3 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 FR1 TIII:	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 FR2 SBP :	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
TOTAL:	778.4	170.2	284.9	143.5	91.8	627.4	323.0	57.6	263.0	0.0	0.0	0.0	0.0	0.0	0.0	91.1
GRAND TOTAL	4712.5	762.7	1594.2	796.3	377.1	2505.5	1923.1	311.1	1467.8	0.0	0.0	0.0	0.0	0.0	0.0	2739.6
																14450.3

COST SUMMARY FOR : EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)
COST MATRIX MAP FOR: ARMY ENLISTED;RETIREMENT IS CURRENT TERM PAY

COST IN MILLIONS OF DOLLARS

	00	01	02	03	04	05	06	07	08	NONE	NONE	NONE	NONE	NONE	NONE	TOTAL
OPTION 4:																
15 SBP-DIC :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 RET-DIS :	118.8	22.4	56.9	34.7	21.1	118.8	89.6	17.5	69.8	0.0	0.0	0.0	0.0	0.0	0.0	549.6
19 RET-NDIS:	476.5	134.3	207.0	98.5	64.0	463.1	210.6	36.4	175.0	0.0	0.0	0.0	0.0	0.0	0.0	1865.4
20 SBP-ACT :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 SBP-III :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 VESTING :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 TITLE 3 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 FR1 TIII:	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
63 FR2 SBP :	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.1
TOTAL:	733.3	156.7	263.9	133.2	85.0	581.9	300.3	53.9	244.8	0.0	0.0	0.0	0.0	0.0	0.0	2553.0
GRAND TOTAL	4667.5	749.2	1573.2	786.0	370.4	2460.1	1900.4	307.4	1449.6	0.0	0.0	0.0	0.0	0.0	0.0	14263.7
OPTION 5:																
15 SBP-DIC :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 RET-DIS :	118.7	22.4	56.8	34.6	21.1	118.7	89.6	17.5	69.8	0.0	0.0	0.0	0.0	0.0	0.0	549.2
19 RET-NDIS:	431.5	120.7	186.0	88.2	57.3	417.8	188.0	32.7	156.9	0.0	0.0	0.0	0.0	0.0	0.0	1679.1
20 SBP-ACT :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 SBP-III :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 VESTING :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 TITLE 3 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 FR1 TIII:	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
63 FR2 SBP :	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.1
TOTAL:	688.2	143.1	242.8	122.9	78.3	536.5	277.6	50.2	226.7	0.0	0.0	0.0	0.0	0.0	0.0	2366.3
GRAND TOTAL	4622.3	735.6	1552.2	775.7	363.7	2414.7	1877.7	303.7	1431.5	0.0	0.0	0.0	0.0	0.0	0.0	14077.0
OPTION 6:																
15 SBP-DIC :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 RET-DIS :	118.5	22.4	56.8	34.6	21.1	118.3	89.6	17.5	69.7	0.0	0.0	0.0	0.0	0.0	0.0	548.4
19 RET-NDIS:	489.3	139.9	216.0	103.5	67.2	479.2	222.9	38.0	183.5	0.0	0.0	0.0	0.0	0.0	0.0	1939.5
20 SBP-ACT :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 SBP-III :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 VESTING :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 TITLE 3 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 FR1 TIII:	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
63 FR2 SBP :	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.1
TOTAL:	745.8	162.3	272.8	138.1	88.3	597.5	312.5	55.4	253.2	0.0	0.0	0.0	0.0	0.0	0.0	2625.9
GRAND TOTAL	4679.9	754.9	1582.1	790.9	373.6	2475.7	1912.6	309.0	1458.0	0.0	0.0	0.0	0.0	0.0	0.0	14336.6

COST SUMMARY FOR : EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)
COST MATRIX MAP FOR: ARMY ENLISTED;RETIREMENT IS CURRENT TERM PAY

COST IN MILLIONS OF DOLLARS

	00	01	02	03	04	05	06	07	08	NONE	NONE	NONE	NONE	NONE	NONE	TOTAL
OPTION 7:																
15 SBP-DIC :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 RET-DIS :	118.4	22.4	56.8	34.6	21.1	118.3	89.6	17.5	69.7	0.0	0.0	0.0	0.0	0.0	0.0	548.3
19 RET-NDIS:	428.1	122.4	189.0	90.5	58.8	419.3	195.0	33.2	160.5	0.0	0.0	0.0	0.0	0.0	0.0	1697.0
20 SBP-ACT :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 SBP-III :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 VESTING :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 TITLE 3 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 FR1 TIII:	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
63 FR2 SBP :	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.1
TOTAL:	684.6	144.8	245.8	125.1	79.9	537.6	284.6	50.7	230.2	0.0	0.0	0.0	0.0	0.0	0.0	2383.2
GRAND TOTAL	4618.7	737.3	1555.1	777.9	365.2	2415.8	1884.7	304.2	1435.0	0.0	0.0	0.0	0.0	0.0	0.0	14093.9
OPTION 8:																
15 SBP-DIC :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 RET-DIS :	118.4	22.4	56.8	34.6	21.1	118.3	89.6	17.5	69.7	0.0	0.0	0.0	0.0	0.0	0.0	548.3
19 RET-NDIS:	367.0	105.0	162.0	77.6	50.4	359.4	167.2	28.5	137.6	0.0	0.0	0.0	0.0	0.0	0.0	1454.6
20 SBP-ACT :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 SBP-III :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 VESTING :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 TITLE 3 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 FR1 TIII:	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
63 FR2 SBP :	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.1
TOTAL:	623.4	127.4	218.8	112.2	71.5	477.7	256.8	46.0	207.3	0.0	0.0	0.0	0.0	0.0	0.0	2140.9
GRAND TOTAL	4557.5	719.8	1528.1	765.0	356.8	2355.9	1856.9	299.5	1412.1	0.0	0.0	0.0	0.0	0.0	0.0	13851.5
OPTION 9:																
15 SBP-DIC :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 RET-DIS :	75.9	14.1	37.0	22.3	13.9	81.1	57.8	10.7	45.6	0.0	0.0	0.0	0.0	0.0	0.0	358.5
19 RET-NDIS:	503.0	142.4	219.7	104.7	68.0	490.6	224.5	38.6	185.9	0.0	0.0	0.0	0.0	0.0	0.0	1977.4
20 SBP-ACT :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 SBP-III :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 VESTING :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 TITLE 3 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 FR1 TIII:	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
63 FR2 SBP :	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.1
TOTAL:	716.9	156.5	256.7	127.0	82.0	571.7	282.3	49.3	231.5	0.0	0.0	0.0	0.0	0.0	0.0	2473.8
GRAND TOTAL	4651.1	748.9	1566.0	779.8	367.3	2449.9	1882.4	302.8	1436.3	0.0	0.0	0.0	0.0	0.0	0.0	14184.5

COST SUMMARY FOR : EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)
COST MATRIX MAP FOR: ARMY ENLISTED;RETIREMENT IS CURRENT TERM PAY

COST IN MILLIONS OF DOLLARS

	00	01	C2	03	04	05	06	07	08	NONE	NONE	NONE	NONE	NONE	NONE	TOTAL
OPTION 10:																
15 SBP-DIC :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 RET-DIS :	84.4	15.7	41.0	24.7	15.4	88.9	64.2	12.0	50.5	0.0	0.0	0.0	0.0	0.0	0.0	396.9
19 RET-NDIS:	527.9	149.8	231.2	110.4	71.7	515.4	236.8	40.7	195.8	0.0	0.0	0.0	0.0	0.0	0.0	2079.7
20 SBP-ACT :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 SBP-III :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 VESTING :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 TITLE 3 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 FR1 TIII:	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 FR2 SBP :	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
TOTAL:	750.4	165.6	272.2	135.1	87.1	604.3	301.1	52.7	246.3	0.0	0.0	0.0	0.0	0.0	0.0	91.1
GRAND TOTAL	4684.5	758.0	1581.5	787.9	372.4	2482.5	1901.1	306.2	1451.1	0.0	0.0	0.0	0.0	0.0	0.0	2614.7
																14325.3
OPTION 11:																
15 SBP-DIC :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 RET-DIS :	94.5	17.7	45.7	27.6	17.1	97.9	71.7	13.6	56.2	0.0	0.0	0.0	0.0	0.0	0.0	442.1
19 RET-NDIS:	554.8	157.9	243.7	116.4	75.6	542.2	250.2	42.8	206.6	0.0	0.0	0.0	0.0	0.0	0.0	2190.3
20 SBP-ACT :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 SBP-III :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 VESTING :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 TITLE 3 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 FR1 TIII:	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 FR2 SBP :	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
TOTAL:	787.3	175.6	289.3	144.1	92.8	640.1	321.9	56.4	262.8	0.0	0.0	0.0	0.0	0.0	0.0	91.1
GRAND TOTAL	4721.4	768.0	1598.6	796.9	378.1	2518.3	1922.0	310.0	1467.6	0.0	0.0	0.0	0.0	0.0	0.0	2770.3
																14481.0
OPTION 12:																
15 SBP-DIC :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 RET-DIS :	67.0	12.5	32.5	19.6	12.2	70.1	50.9	9.6	40.0	0.0	0.0	0.0	0.0	0.0	0.0	314.3
19 RET-NDIS:	407.1	115.8	178.6	85.3	55.4	397.7	183.3	31.4	151.4	0.0	0.0	0.0	0.0	0.0	0.0	1606.0
20 SBP-ACT :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 SBP-III :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 VESTING :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 TITLE 3 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 FR1 TIII:	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 FR2 SBP :	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
TOTAL:	612.1	128.3	211.1	104.9	67.6	467.8	234.2	41.0	191.4	0.0	0.0	0.0	0.0	0.0	0.0	91.1
GRAND TOTAL	4546.2	720.7	1520.4	757.7	353.0	2345.9	1834.3	294.5	1396.2	0.0	0.0	0.0	0.0	0.0	0.0	2058.3
																13769.0

COST SUMMARY FOR : EXAMPLE RUN OF ARMY ENLISTED CURR OBJ FILE (ACE09CAT)
COST MATRIX MAP FOR: ARMY ENLISTED;RETIREMENT IS CURRENT TERM PAY

COST IN MILLIONS OF DOLLARS

	00	01	02	03	04	05	06	07	08	NONE	NONE	NONE	NONE	NONE	NONE	TOTAL
OPTION 13:																
15 SBP-DIC :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 RET-DIS :	76.4	14.3	36.9	22.3	13.8	79.2	58.0	11.0	45.5	0.0	0.0	0.0	0.0	0.0	0.0	357.5
19 RET-NDIS:	448.9	127.8	197.2	94.3	61.2	438.7	202.6	34.7	167.2	0.0	0.0	0.0	0.0	0.0	0.0	1772.7
20 SBP-ACT :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 SBP-III :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 VESTING :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 TITLE 3 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 FR1 TIII:	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
63 FR2 SBP :	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.1
TOTAL:	663.3	142.1	234.1	116.6	75.1	518.0	260.6	45.7	212.7	0.0	0.0	0.0	0.0	0.0	0.0	2268.2
GRAND TOTAL	4597.4	734.6	1543.5	769.4	360.4	2396.2	1860.7	299.2	1417.5	0.0	0.0	0.0	0.0	0.0	0.0	13978.9
OPTION 14:																
15 SBP-DIC :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 RET-DIS :	88.1	16.5	42.4	25.7	15.9	90.4	66.8	12.8	52.3	0.0	0.0	0.0	0.0	0.0	0.0	410.9
19 RET-NDIS:	497.3	141.8	218.8	104.7	68.0	486.3	225.1	38.5	185.7	0.0	0.0	0.0	0.0	0.0	0.0	1966.2
20 SBP-ACT :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 SBP-III :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 VESTING :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 TITLE 3 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 FR1 TIII:	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
63 FR2 SBP :	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.1
TOTAL:	723.4	158.3	261.3	130.4	83.9	576.8	291.9	51.2	237.9	0.0	0.0	0.0	0.0	0.0	0.0	2515.1
GRAND TOTAL	4657.5	750.8	1570.6	783.2	369.2	2455.0	1892.0	304.8	1442.7	0.0	0.0	0.0	0.0	0.0	0.0	14225.7
OPTION 15:																
15 SBP-DIC :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 RET-DIS :	94.5	17.7	45.5	27.6	17.0	96.5	71.6	13.7	56.0	0.0	0.0	0.0	0.0	0.0	0.0	439.9
19 RET-NDIS:	522.4	149.1	230.0	110.1	71.5	511.0	236.8	40.4	195.2	0.0	0.0	0.0	0.0	0.0	0.0	2066.5
20 SBP-ACT :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 SBP-III :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 VESTING :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 TITLE 3 :	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 FR1 TIII:	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9
63 FR2 SBP :	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.1
TOTAL:	754.8	166.8	275.5	137.7	88.5	607.5	308.4	54.2	251.2	0.0	0.0	0.0	0.0	0.0	0.0	2644.5
GRAND TOTAL	4689.0	759.2	1584.8	790.5	373.9	2485.7	1908.5	307.7	1456.0	0.0	0.0	0.0	0.0	0.0	0.0	14355.2

FILE: RUNCFC EXEC A VM/SP CONVERSATIONAL MONITOR SYSTEM
PAGE 001

```
&CONTROL ERROR
GLOBAL TXTLIB FORTMOD1
EXEC FORTGI &1 (LOAD NAME(&1) NOMAP NOPRINT
FILEDEF FT02F001 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
*FILEDEF FT06F001 DISK SIMENL DATA A   (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT10F001 DISK PF10 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT11F001 DISK PF11 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT12F001 DISK PF12 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT13F001 DISK PF13 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT14F001 DISK PF14 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT15F001 DISK PF15 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT16F001 DISK PF16 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT17F001 DISK PF17 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT18F001 DISK PF18 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT19F001 DISK PF19 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT20F001 DISK PF20 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT21F001 DISK PF21 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT22F001 DISK PF22 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT23F001 DISK PF23 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT24F001 DISK PF24 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT25F001 DISK PF25 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT26F001 DISK PF26 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT27F001 DISK PF27 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT28F001 DISK PF28 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT29F001 DISK PF29 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT30F001 DISK PF30 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT31F001 DISK PF31 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT32F001 DISK PF32 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT33F001 DISK PF33 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT34F001 DISK PF34 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT35F001 DISK PF35 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT36F001 DISK PF36 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT37F001 DISK PF37 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT38F001 DISK PF38 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT39F001 DISK PF39 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT40F001 DISK PF40 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT41F001 DISK PF41 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT42F001 DISK PF42 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT43F001 DISK PF43 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT44F001 DISK PF44 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT45F001 DISK PF45 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT46F001 DISK PF46 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT47F001 DISK PF47 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT48F001 DISK PF48 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
FILEDEF FT49F001 DISK PF49 CFCDATA7 A (RECFM FB LRECL 132 BLKSIZE 132)
LOAD &1
```

```
START &1
*FILEDEF * CLEAR
&EXIT
```

```
C     ********** DOPMS COST FILE CREATOR --- WRITTEN IN FORTRAN IV********* RET00010
C     ********** CONVERTED JAN 1983 ************************************** RET00020
C                                                                           RET00030
C     SPECIFICATION STATEMENTS*************************************** RET00040
      DIMENSION TABLE(35,10),T1(35,10),T2(35,10)                          RET00050
      DIMENSION LABEL(17)                                                 RET00060
      REAL HXRF(3,35,10)                                                  RET00070
      REAL BON20,BON22,BON26                                              RET00080
      INTEGER E1,E2,SSAGE,YRFREE                                          RET00090
      INTEGER EADAGE,FULAGE,MAXAGE,IMAGE,GRADE,YOS                        RET00100
      INTEGER AGE(100),SVC(100)                                           RET00110
      INTEGER FILE1, FILE2                                                RET00120
      REAL BP,HOLD1,HOLD2,P1,MCE,AMCE,MOAMCE,PIA                          RET00130
      REAL RPI, WGR, MAXRM, INCR, REDMLT,MINRM                            RET00140
      REAL BASE(35,10), DEATH(110), EL(35,10)                             RET00150
      REAL POP (100),DR(100),WGF(100),PR(100),MULT(100),IRPR(100)         RET00160
      REAL RPIF(100),CRPR(100),SSD(100),NPR(100),COST(100)                RET00170
      INTEGER ANSWER,NO,YES,OPTION,RETOPT                                 RET00180
      INTEGER FIRST,LAST,OFFSET,INDEX(110),RETAGE                         RET00190
      REAL RATE(110),INTR                                                 RET00200
      INTEGER EAGE(3),FILENR(3,5),HYT(10,3),EXGRD(3,3),EXYOS(3,3)         RET00210
      INTEGER COMM(3),ROPT(4),CFLAB                                       RET00220
      INTEGER Y                                                           RET00230
      REAL RPB(100),RPGF(100),CRPB(100),CM(100),FM(100),BM(100)           RET00240
      REAL DECR1(100),DECR2(100),CA(100),NA(100),SS(100),SBP(100)         RET00250
      REAL MISC(100),MY(100)                                              RET00260
      REAL FACTOR,RPGF1,RPGF2,COLA,WGR,RPBASE,SUMM,BAM                    RET00270
      INTEGER APT1,APT2,APT3,APT4,APT5                                    RET00280
      INTEGER AGE1,AGE2,AGE3,AGE4,AGE5                                    RET00290
      INTEGER BPT1,BPT2,BPT3,BPT4,BPT5,BPT6                               RET00300
      REAL    MAR1,MAR2,MAR3,MAR4,MAR5,MAR6                               RET00310
      INTEGER RYOS,RYS(100),D1,D2                                         RET00320
      INTEGER PAYL(3),INDL(4)                                             RET00330
      REAL WGR100,COL100,INT100,RGF100,RGF200                             RET00340
      REAL MAR100,MAR200,MAR300,MAR400,MAR500,MAR600,MAX100,MIN100        RET00350
      INTEGER BPT2M1,BPT3M1,BPT4M1,BPT5M1,BPT6M1                          RET00360
      INTEGER APT2M1,APT3M1,APT4M1,APT5M1                                 RET00370
      REAL D1ARG1,D2ARG1,D11,D21                                          RET00380
      INTEGER D12,D22,D1ARG2,D2ARG2                                       RET00390
      REAL NPIA(3,35),SS1,SS2,SSOSPC,SSOS,PCSS,SSMAX                      RET00400
C                                                                         RET00410
C     DATA STATEMENTS************************************************** RET00420
      DATA NO/'NO'/,YES/'YES'/                                            RET00430
C                                                                         RET00440
C     FORMAT STATEMENTS************************************************ RET00450
1     FORMAT (10F12.4)                                                    RET00460
```

```
9000  FORMAT (2A4)                                                    RET00470
9001  FORMAT(1X,'OPTIONS ARE AS FOLLOWS:'/                            RET00480
     *1X,'1=INITIALIZE TABLE WITH ZEROS'/                             RET00490
     *1X,'2=GET A FILE FROM STORAGE'/                                 RET00500
     *1X,'3=GET A SECOND FILE FROM STORAGE'/                          RET00510
     *1X,'4=DISPLAY CONTENTS OF CURRENT FILE'/                        RET00520
     *1X,'5=PUT A FILE IN STORAGE'/                                   RET00530
     *1X,'6=CREATE A FILE BY YOS'/                                    RET00540
     *1X,'7=CREATE A FILE BY GRADE'/                                  RET00550
     *1X,'8=ADD TWO FILES'/                                           RET00560
     *1X,'9=MULTIPLY TWO FILES'/                                      RET00570
     *1X,'10=PUT A CAP ON A FILE'/                                    RET00580
     *1X,'11=PUT A FLOOR ON A FILE'/                                  RET00590
     *1X,'12=RETIREMENT COST FACTORS'/                                RET00600
     *1X,'13=RATE VECTOR OPTION'/                                     RET00610
     *1X,'14=PRINT STORAGE DIRECTORY'/                                RET00620
     *1X,'15=TERMINATE'//                                            RET00630
     *1X,'OPTION DESIRED?')                                          RET00640
9221  FORMAT(1X,'ENTER FILENUMBER')                                   RET00650
9222  FORMAT(33A4)                                                    RET00660
9223  FORMAT(1X,17A4)                                                 RET00670
9241  FORMAT(///,1X,'YR',5X,' 1',5X,' 2',5X,' 3',5X,' 4',            RET00680
     *5X,' 5',5X,' 6',5X,' 7',5X,' 8',5X,' 9',5X,'10'//)             RET00690
9242  FORMAT(1X,I2,10F7.2)                                            RET00700
9251  FORMAT(1X,'ENTER FILENUMBER')                                   RET00710
9252  FORMAT (1X,'LABEL?')                                            RET00720
9261  FORMAT (1X,'ENTER YEAR(0 FOR FINISHED)')                        RET00730
9262  FORMAT (1X,'YEAR=',I2,' ,RATES ARE (1-10)')                     RET00740
9263  FORMAT (1X,'DO YOU WANT TO USE ZERO FILL OPTION?')              RET00750
9271  FORMAT (1X,'ENTER GRADE(0 FOR FINISHED)')                       RET00760
9272  FORMAT (1X,'GRADE=',I2,' ,RATES ARE (1-35)')                    RET00770
9273  FORMAT (1X,'DO YOU WANT TO USE ZERO FILL OPTION?')              RET00780
9301  FORMAT(1X,'ENTER MAXIMUM')                                      RET00790
9311  FORMAT (1X,'ENTER MINIMUM')                                     RET00800
9224  FORMAT (1X,I4,2X,17A4)                                          RET00810
9225  FORMAT (1X,'FILE  CONTENTS OF STORAGE DIRECTORY')               RET00820
C                                                                     RET00830
C     PRINT MENU*************************************************    RET00840
5     CALL DISPCL                                                     RET00850
      PRINT 9001                                                      RET00860
      READ (5,*) OPTION                                               RET00870
      CALL DISPCL                                                     RET00880
      IF (OPTION.GT.15.OR.OPTION.LT.1) GO TO 5                        RET00890
      GO TO (21,22,23,24,25,26,27,28,29,30,31,33,34,35,32), OPTION    RET00900
C                                                                     RET00910
C     INITIALIZATION ROUTINE*************************************    RET00920
```

```
21    DO 211 J=1,35                                                    RET00930
      DO 211 K=1,10                                                    RET00940
211   TABLE(J,K)=0.0                                                   RET00950
      GO TO 5                                                          RET00960
C                                                                      RET00970
C     READ IN A FILE FROM DISK*****************************************RET00980
22    WRITE (6,9221)                                                   RET00990
      READ (5,*) IFILE1                                                RET01000
      READ (IFILE1,9222) (LABEL(I),I=1,17)                             RET01010
      WRITE (6,9223) (LABEL(I),I=1,17)                                 RET01020
      PAUSE 'PRESS S/R KEY TO CONTINUE'                                RET01030
      DO 221 J=1,35                                                    RET01040
221   READ(IFILE1,1) (TABLE(J,K),K=1,10)                               RET01050
      REWIND IFILE1                                                    RET01060
      GO TO 5                                                          RET01070
C                                                                      RET01080
C     READ IN A SECOND FILE FROM DISK**********************************RET01090
C     PUT CURRENT FILE IN ARRAY T1*************************************RET01100
23    DO 231 J=1,35                                                    RET01110
      DO 231 K=1,10                                                    RET01120
231   T1(J,K)=TABLE(J,K)                                               RET01130
      GO TO 22                                                         RET01140
C                                                                      RET01150
C     PRINT A FILE*****************************************************RET01160
24    CALL DISPCL                                                      RET01170
      PRINT 9241                                                       RET01180
      DO 241 J=1,35                                                    RET01190
241   PRINT 9242, J,(TABLE(J,K),K=1,10)                                RET01200
      PAUSE 'PRESS S/R KEY TO CONTINUE'                                RET01210
      GO TO 5                                                          RET01220
C                                                                      RET01230
C     WRITE THE FILE TO DISK*******************************************RET01240
25    WRITE (6,9251)                                                   RET01250
      READ(5,*) IFILE6                                                 RET01260
      WRITE (6,9252)                                                   RET01270
      READ (5,9222) (LABEL(I),I=1,17)                                  RET01280
      WRITE (IFILE6,9222) (LABEL(I),I=1,17)                            RET01290
      DO 251 J=1,35                                                    RET01300
251   WRITE (IFILE6,1) (TABLE(J,K),K=1,10)                             RET01310
      REWIND IFILE6                                                    RET01320
      GO TO 5                                                          RET01330
C                                                                      RET01340
C     CREATE A FILE BY YOS*********************************************RET01350
26    WRITE (6,9261)                                                   RET01360
      READ (5,*)J                                                      RET01370
      IF (J.LT.0.OR.J.GT.35) GO TO 26                                  RET01380
```

```
      IF (J.EQ.0) GO TO 261                                              RET01390
      PRINT 9262,J                                                       RET01400
      READ (5,*) (TABLE(J,K),K=1,10)                                     RET01410
      GO TO 26                                                           RET01420
261   WRITE (6,9263)                                                     RET01430
      READ (5,9000) ANSWER                                               RET01440
      IF (ANSWER.NE.YES.AND.ANSWER.NE.NO) GO TO 261                      RET01450
      IF (ANSWER.EQ.NO) GO TO 5                                          RET01460
      DO 262 K=1,10                                                      RET01470
      DO 262 J=2,35                                                      RET01480
      IF (TABLE(J,K).NE.0.0) GO TO 262                                   RET01490
      TABLE(J,K)=TABLE(J-1,K)                                            RET01500
262   CONTINUE                                                           RET01510
      GO TO 5                                                            RET01520
C                                                                        RET01530
C     CREATE A FILE BY GRADE*********************************************** RET01540
27    WRITE (6,9271)                                                     RET01550
      READ (5,*)K                                                        RET01560
      IF (K.LT.0.OR.K.GT.10) GO TO 27                                    RET01570
      IF (K.EQ.0) GO TO 271                                              RET01580
      PRINT 9272,K                                                       RET01590
      READ (5,*) (TABLE(J,K),J=1,35)                                     RET01600
      GO TO 27                                                           RET01610
271   WRITE (6,9273)                                                     RET01620
      READ (5,9000) ANSWER                                               RET01630
      IF (ANSWER.NE.YES.AND.ANSWER.NE.NO) GO TO 271                      RET01640
      IF (ANSWER.EQ.NO) GO TO 5                                          RET01650
      DO 272 J=1,35                                                      RET01660
      DO 272 K=2,10                                                      RET01670
      IF (TABLE(J,K).NE.0.0) GO TO 272                                   RET01680
      TABLE(J,K)=TABLE(J,K-1)                                            RET01690
272   CONTINUE                                                           RET01700
      GO TO 5                                                            RET01710
C                                                                        RET01720
C     ADD TWO FILES******************************************************* RET01730
28    DO 281 J=1,35                                                      RET01740
      DO 281 K=1,10                                                      RET01750
281   TABLE(J,K)=TABLE(J,K)+T1(J,K)                                      RET01760
      GO TO 5                                                            RET01770
C                                                                        RET01780
C     MULTIPLY TWO FILES*************************************************** RET01790
29    DO 291 J=1,35                                                      RET01800
      DO 291 K=1,10                                                      RET01810
291   TABLE(J,K)=TABLE(J,K)*T1(J,K)                                      RET01820
      GO TO 5                                                            RET01830
C                                                                        RET01840
```

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C     CAP A FILE*************************************************************  RET01850
30    WRITE (6,9301)                                                          RET01860
      READ (5,*) CCM                                                          RET01870
      DO 301 J=1,35                                                           RET01880
      DO 301 K=1,10                                                           RET01890
      IF (TABLE(J,K).GT.CCM) TABLE(J,K)=CCM                                   RET01900
301   CONTINUE                                                                RET01910
      GO TO 5                                                                 RET01920
C                                                                             RET01930
C     FLOOR A FILE**********************************************************  RET01940
31    WRITE (6,9311)                                                          RET01950
      READ (5,*) CCM                                                          RET01960
      DO 311 J=1,35                                                           RET01970
      DO 311 K=1,10                                                           RET01980
      IF (TABLE(J,K).LT.CCM) TABLE(J,K)=CCM                                   RET01990
311   CONTINUE                                                                RET02000
      GO TO 5                                                                 RET02010
C                                                                             RET02020
C     THIS IS THE BEGINNING OF RETBILD3**************************************  RET02030
C                                                                             RET02040
33    CONTINUE                                                                RET02050
C                                                                             RET02060
C     FORMAT STATEMENTS:*****************************************************  RET02070
9333  FORMAT(1H1,'EXAMPLE FOR GRADE G-',I2,' AND ',I2,' YOS, BP=',F5.0,       RET02080
     *       '  RETIREMENT OPTION=',A4,'  PAY AVG OPTION=HI-',I2/             RET02090
     *       '   K SV AG   WGF   RPB  RPGF  CRPB RY    BM DECR1',            RET02100
     *                '     FM DECR2    CM    CA    SS   SBP  MISC',        RET02110
     *                '     NA   POP    DR    MY    COST'/)                  RET02120
9334  FORMAT(1H ,2I3,I4,F6.3,F6.0,F6.2,F6.0,I3,5F6.3,6F6.0,F6.3,F6.0,         RET02130
     *       F9.0)                                                          RET02140
9335  FORMAT(//1H ,17X,'TOTAL RETIRED PAY',19X,                               RET02150
     *            'EXP.    AVG RETIRED PAY'/                                RET02160
     *        3H  I,6(5X,'G-',I1),'  LIFE',3(4X,'G-',I1))                   RET02170
9336  FORMAT(I3,6F8.0,F6.2,3F7.0)                                             RET02180
9337  FORMAT(1X,'GIVE:'/                                                      RET02190
     *       1X,'--MAXIMUM MULTIPLIER,'/                                      RET02200
     *       1X,'--MINIMUM MULTIPLIER,'/                                      RET02210
     *       1X,'--SSAGE,'/                                                   RET02220
     *       1X,'--SS OFFSET CONSTANT %,'/                                    RET02230
     *       1X,'--SS OFFSET % PER YOS,'/                                     RET02240
     *       1X,'--SS OFFSET % MAXIMUM:')                                     RET02250
9338  FORMAT(1X,'GIVE:'/                                                      RET02260
     *       1X,'--ANNUAL WAGE GROWTH RATE,'/                                 RET02270
     *       1X,'--ANNUAL COLA GROWTH RATE,'/                                 RET02280
     *       1X,'--ANNUAL INTEREST RATE,'/                                    RET02290
     *       1X,'--INDEXING OPTION:IMMED=1,BY AGE=2,BY YOS=3,NONE=4,'/        RET02300
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     *       1X,'--INDEXING POINT:SPECIFY AGE OR YOS,'/                      RET02310
     *       1X,'--FIRST INDEXING RATE,'/                                    RET02320
     *       1X,'--SECOND INDEXING RATE,')                                   RET02330
9339  FORMAT(1X,'GIVE:'/                                                     RET02340
     *       1X,'--PAY BASE FILE: BP=1, BMC=2, RMC=3'/                       RET02350
     *       1X,'--PAY AVERAGE OPTION: TERM=0, HI-1=1, HI-3=3, ETC'/         RET02360
     *       1X,'--TYPE OF PAY:NONDISABILITY=1,DISABILITY=2,VESTING=3,'/RET02370
     *       1X,'--START YOS,'/                                              RET02380
     *       1X,'--LAST YOS:'/                                               RET02390
     *       1X,'--OFFICER OUTPUT FILE #'/                                   RET02400
     *       1X,'--WARRANT OUTPUT FILE #'/                                   RET02410
     *       1X,'--ENLISTED OUTPUT FILE #')                                  RET02420
9370  FORMAT(1X,'DECREMENT CHOICES--GIVE OPTION,ARGUMENT#1,ARGUMENT#2'/ RET02430
     *' #1=CONSTANT % (ARG1)          (SET ARG2=0)'/                         RET02440
     *' #2=CONSTANT % POINTS (ARG1)  (SET ARG2=0)'/                          RET02450
     *' #3=VARIABLE % BASED ON AGE--% REDUCTION/YR (ARG1) TIMES # OF'/       RET02460
     *'    YEARS ANNUITY START POINT PRECEDES A CERTAIN AGE (ARG2)'/        RET02470
     *' #4=VARIABLE % BASED ON YOS--% REDUCTION/YR (ARG1) TIMES # OF'/       RET02480
     *'    YEARS ANNUITY START POINT PRECEDES A CERTAIN YOS (ARG2)'/        RET02490
     *' #5=VARIABLE % BASED ON YOS--% REDUCTION/YR (ARG1) TIMES # OF'/       RET02500
     *'    YEARS ANNUITY START POINT PRECEDES MAND RET POINTS'/             RET02510
     *'    (SET ARG2=0)'/                                                   RET02520
     *' #6=CONSTANT % (ARG1) IF YOS AT EXIT IS LESS THAN A CERTAIN'/         RET02530
     *'    YOS (ARG2)'/                                                     RET02540
     *' #7=FLOATING % BASED ON AGE--% REDUCTION/YR (ARG1) TIMES # OF'/       RET02550
     *'    YEARS CURRENT AGE IS LESS THAN FULL ANNUITY START AGE'/          RET02560
     *'    (SET ARG2=0)')                                                   RET02570
9371  FORMAT(1H1,'DECREMENT #1 (FULL ANNUITY)')                             RET02580
9372  FORMAT(1H1,'DECREMENT #2 (EARLY ANNUITY)')                            RET02590
9373  FORMAT(' INPUT MULTIPLIER SCHEDULE--6 PAIRS OF NUMBERS (1,0.025)')RET02600
9374  FORMAT(' INPUT RETIREMENT SCHEDULE--5 PAIRS OF NUMBERS (20,65)')      RET02610
9375  FORMAT(1H1,                                                           RET02620
     *'INPUT VARIABLES:'/                                                   RET02630
     *'       SYSTEM: ',A4/                                                 RET02640
     *'       LABEL: ',17A4/                                                RET02650
     *'       APPLICABLE TO LOSSES BETWEEN ',I3,' AND ',I3,' YOS.'/         RET02660
     *'       PAY BASIS: ',A4,', HI-',I2/                                   RET02670
     *'       POINTS:  FREE POINTS=',F6.0/                                  RET02680
     *'                RETIREMENT POINT ACCRUAL RATE/ ACTIVE YOS=',F7.3/ RET02690
     *'                POINTS NEEDED PER RETIREMENT YOS=',F7.3/              RET02700
     *'       ECONOMIC ASSUMPTIONS:  ANNUAL WAGE GROWTH RATE=',F5.2,'%'/ RET02710
     *'                              ANNUAL INFLATION (COLA)=',F5.2,'%'/ RET02720
     *'                              ANNUAL INTEREST RATE   =',F5.2,'%'/ RET02730
     *'       SS OFFSET: AGE=',I4,' CONSTANT %=',F5.2,' VAR %/YOS=',F5.2/RET02740
     *'                  MAXIMUM %=',F5.2,/                                 RET02750
     *'       INDEXING:  OPTION--',A4)                                      RET02760
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9376  FORMAT(1X,                                                          RET02770
     *'                  STAGE #1--',F6.2,'% OF COLA UNTIL ',A4,' =',I2/  RET02780
     *'                   STAGE #2--',F6.2,'% OF COLA UNTIL DEATH')       RET02790
9377  FORMAT(1X,                                                          RET02800
     *'      OUTPUT FILE LOCATIONS:  OFFICER=',I2,/                       RET02810
     *'                               WARRANT=',I2,/                      RET02820
     *'                              ENLISTED=',I2,/)                     RET02830
9378  FORMAT(1X,                                                          RET02840
     *'      BASIC MULTIPLIER ACCRUAL SCHEDULE:'/                         RET02850
     *'          FOR EVERY COMPLETED YOS BETWEEN ',I3,' AND ',I3,         RET02860
     *' (INCLUSIVE), YOU GET ',F5.2,' PERCENTAGE POINTS.'/                 RET02870
     *'          FOR EVERY COMPLETED YOS BETWEEN ',I3,' AND ',I3,         RET02880
     *' (INCLUSIVE), YOU GET ',F5.2,' PERCENTAGE POINTS.'/                 RET02890
     *'          FOR EVERY COMPLETED YOS BETWEEN ',I3,' AND ',I3,         RET02900
     *' (INCLUSIVE), YOU GET ',F5.2,' PERCENTAGE POINTS.'/                 RET02910
     *'          FOR EVERY COMPLETED YOS BETWEEN ',I3,' AND ',I3,         RET02920
     *' (INCLUSIVE), YOU GET ',F5.2,' PERCENTAGE POINTS.'/                 RET02930
     *'          FOR EVERY COMPLETED YOS BETWEEN ',I3,' AND ',I3,         RET02940
     *' (INCLUSIVE), YOU GET ',F5.2,' PERCENTAGE POINTS.'/                 RET02950
     *'          FOR EVERY COMPLETED YOS BETWEEN ',I3,' AND ',' 99',      RET02960
     *' (INCLUSIVE), YOU GET ',F5.2,' PERCENTAGE POINTS.'/                 RET02970
     *'        HOWEVER, YOUR TOTAL MULTIPLIER IS LIMITED TO ',F5.2,       RET02980
     *'--',F5.2,' PERCENTAGE POINTS.'/)                                    RET02990
9379  FORMAT(1X,                                                          RET03000
     *'      FULL ANNUITY START POINT SCHEDULE:'/                         RET03010
     *'          IF YOU LEAVE SERVICE WITH BETWEEN ',I3,' AND ',I3,       RET03020
     *' YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT ',I3,' AGE/YOS'/      RET03030
     *'          IF YOU LEAVE SERVICE WITH BETWEEN ',I3,' AND ',I3,       RET03040
     *' YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT ',I3,' AGE/YOS'/      RET03050
     *'          IF YOU LEAVE SERVICE WITH BETWEEN ',I3,' AND ',I3,       RET03060
     *' YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT ',I3,' AGE/YOS'/      RET03070
     *'          IF YOU LEAVE SERVICE WITH BETWEEN ',I3,' AND ',I3,       RET03080
     *' YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT ',I3,' AGE/YOS'/      RET03090
     *'          IF YOU LEAVE SERVICE WITH BETWEEN ',I3,' AND ',' 99',    RET03100
     *' YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT ',I3,' AGE/YOS')      RET03110
9380  FORMAT(1X,'FULL ANNUITY MULTIPLIER=BASIC MULTIPLIER LESS ',         RET03120
     *'DECREMENT #1; DECREMENT #1 OPTION IS:')                            RET03130
9381  FORMAT(1X,                                                          RET03140
     *' #1=',F7.3,' % OF ORIGINAL MULTIPLIER')                            RET03150
9382  FORMAT(1X,                                                          RET03160
     *' #2=',F7.3,' % POINTS ')                                           RET03170
9383  FORMAT(1X,                                                          RET03180
     *' #3=VARIABLE % BASED ON AGE--',F7.3,' % REDUCTION/YR TIMES # OF',  RET03190
     *' YEARS ANNUITY START POINT PRECEDES AGE ',I3 )                      RET03200
9384  FORMAT(1X,                                                          RET03210
     *' #4=VARIABLE % BASED ON YOS--',F7.3,' % REDUCTION/YR TIMES # OF',  RET03220
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     *' YEARS ANNUITY START POINT PRECEDES ',I3,' YOS')                    RET03230
9385  FORMAT(1X,                                                          RET03240
     *' #5=VARIABLE % BASED ON YOS--',F7.3,' % REDUCTION/YR TIMES # OF',   RET03250
     *' YEARS ANNUITY START POINT PRECEDES MAND RET POINTS')               RET03260
9386  FORMAT(1X,                                                          RET03270
     *' #6=',F7.3,' % IF YOS AT EXIT IS LESS THAN ',I3,' YOS')            RET03280
9387  FORMAT(1X,                                                          RET03290
     *' #7=FLOATING % BASED ON AGE--',F7.3,' % REDUCTION/YR TIMES # OF',   RET03300
     *' YEARS CURRENT AGE IS LESS THAN FULL ANNUITY START AGE')            RET03310
9390  FORMAT(1X,'EARLY ANNUITY MULTIPLIER=FULL ANNUITY MULTIPLIER ',      RET03320
     *'LESS DECREMENT #2; DECREMENT #2 OPTION IS:')                        RET03330
9391  FORMAT(1X,                                                          RET03340
     *' #1=',F7.3,' % OF ORIGINAL MULTIPLIER')                            RET03350
9392  FORMAT(1X,                                                          RET03360
     *' #2=',F7.3,' % POINTS ')                                           RET03370
9393  FORMAT(1X,                                                          RET03380
     *' #3=VARIABLE % BASED ON AGE--',F7.3,' % REDUCTION/YR TIMES # OF',   RET03390
     *' YEARS ANNUITY START POINT PRECEDES AGE ',I3 )                      RET03400
9394  FORMAT(1X,                                                          RET03410
     *' #4=VARIABLE % BASED ON YOS--',F7.3,' % REDUCTION/YR TIMES # OF',   RET03420
     *' YEARS ANNUITY START POINT PRECEDES ',I3,' YOS')                    RET03430
9395  FORMAT(1X,                                                          RET03440
     *' #5=VARIABLE % BASED ON YOS--',F7.3,' % REDUCTION/YR TIMES # OF',   RET03450
     *' YEARS ANNUITY START POINT PRECEDES MAND RET POINTS')               RET03460
9396  FORMAT(1X,                                                          RET03470
     *' #6=',F7.3,' % IF YOS AT EXIT IS LESS THAN ',I3,' YOS')            RET03480
9397  FORMAT(1X,                                                          RET03490
     *' #7=FLOATING % BASED ON AGE--',F7.3,' % REDUCTION/YR TIMES # OF',   RET03500
     *' YEARS CURRENT AGE IS LESS THAN FULL ANNUITY START AGE')            RET03510
C                                                                         RET03520
C     DATA INITIALIZATION*************************************************RET03530
      DATA COMM/'OFF ','WRT ','ENL '/                                     RET03540
      DATA ROPT/'NDIS','DISB','VSTG','BONS'/                              RET03550
      DATA CFLAB/'CF--'/                                                  RET03560
C                                                                         RET03570
      DATA EAGE/23,20,19/                                                 RET03580
C                                                                         RET03590
      DATA FILENR/10,11,12,                                               RET03600
     *            13,14,15,                                               RET03610
     *            16,17,18,                                               RET03620
     *            19,20,21,                                               RET03630
     *             0, 0, 0/                                               RET03640
      DATA NPIA/ 33*0.0,                                                  RET03650
     *          1727.,  0.,  987., 1803.,  0., 1157.,                     RET03660
     *          1886.,  0., 1343., 1973.,  0., 1445.,                     RET03670
     *          2065.,  0., 1525., 2169.,  0., 1609.,                     RET03680
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     *           2262.,  0., 1702., 2366.,  0., 1806.,                    RET03690
     *           2480.,  0., 1907., 2600.,  0., 2017.,                    RET03700
     *           2733.,  0., 2133., 2880.,  0., 2257.,                    RET03710
     *           3037.,  0., 2390., 3197.,  0., 2533.,                    RET03720
     *           3373.,  0., 2683., 3563.,  0., 2853.,                    RET03730
     *           3773.,  0., 3030., 3983.,  0., 3207.,                    RET03740
     *           4213.,  0., 3390., 4463.,  0., 3590.,                    RET03750
     *           4633.,  0., 3747., 4783.,  0., 3910.,                    RET03760
     *           4873.,  0., 3993., 4963.,  0., 4073./                    RET03770
C                                                                         RET03780
      DATA HYT/20,20,20,24,28,30,30,30,30,30,                             RET03790
     *         24,26,28,30,30,30,30,30,30,30,                             RET03800
     *         20,20,20,20,20,24,26,28,30,30/                             RET03810
C                                                                         RET03820
      DATA EXGRD/5,3,7,                                                   RET03830
     *           4,3,5,                                                   RET03840
     *           4,3,5/                                                   RET03850
      DATA PAYL/'  BP',' BMC',' RMC'/                                     RET03860
      DATA INDL/'FULL',' AGE',' YOS','NONE'/                              RET03870
C                                                                         RET03880
      DATA EXYOS/23,21,25,                                                RET03890
     *           14,15,17,                                                RET03900
     *           14,15,17/                                                RET03910
      GO TO 6056                                                          RET03920
C                                                                         RET03930
C     INSERT CODE FOR BONUS OPTION AT THIS POINT************************* RET03940
C                                                                         RET03950
      CALL DISPCL                                                         RET03960
      PRINT 6050                                                          RET03970
 6050 FORMAT (1X,'BONUS VARIABLES?')                                      RET03980
      READ(5,*) BON20,BON22,BON26,FILENR(1,5),FILENR(2,5),FILENR(3,5)     RET03990
      RETOPT=4                                                            RET04000
      M=2                                                                 RET04010
C     ROUTINE TO GET OUTPUT FILE LABEL                                    RET04020
      WRITE (6,9252)                                                      RET04030
      READ (5,9222) (LABEL(J),I=1,17)                                     RET04040
C     EXECUTE PROGRAM FOR EACH COMMUNITY************************************ RET04050
      DO 6051 L=1,3                                                       RET04060
C                                                                         RET04070
C     READ IN BASE PAY TABLE********************************************** RET04080
      FILE1=FILENR(L,M)                                                   RET04090
      READ (FILE1,9222)                                                   RET04100
      DO 6052 I=1,35                                                      RET04110
 6052 READ(FILE1,1) (BASE(I,J),J=1,10)                                    RET04120
      REWIND FILE1                                                        RET04130
C     INITIALIZE ARRAYS                                                   RET04140
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      DO 6053 I=1,35                                                    RET04150
      DO 6053 J=1,10                                                    RET04160
6053  TABLE(I,J)=0.0                                                    RET04170
      DO 6054 J=1,10                                                    RET04180
      TABLE(20,J)=BASE(21,J)*12.0*BON20                                 RET04190
      TABLE(22,J)=BASE(23,J)*12.0*BON22                                 RET04200
      TABLE(26,J)=BASE(27,J)*12.0*BON26                                 RET04210
6054  CONTINUE                                                          RET04220
C     WRITE THE FILE TO DISK*********************************************** RET04230
      IFILE6=FILENR(L,5)                                                RET04240
      WRITE (IFILE6,9222) CFLAB,COMM(L),ROPT(RETOPT),(LABEL(I),I=1,17)  RET04250
      DO 6055 J=1,35                                                    RET04260
 6055 WRITE (IFILE6,1) (TABLE(J,K),K=1,10)                              RET04270
      REWIND IFILE6                                                     RET04280
C                                                                       RET04290
 6051 CONTINUE                                                          RET04300
C                                                                       RET04310
C     RETURN TO MAIN PROGRAM                                            RET04320
      GO TO 5                                                           RET04330
C                                                                       RET04340
C                                                                       RET04350
C    END OF BONUS OPTION CODE********************************************** RET04360
C                                                                       RET04370
6056  CONTINUE                                                          RET04380
      FREEPT=0.0                                                        RET04390
      RPPYR=1.0                                                         RET04400
      PTSPYR=1.0                                                        RET04410
C                                                                       RET04420
      PRINT 9337                                                        RET04430
      READ(5,*)  MAXRM,MINRM,SSAGE,SS1,SS2,SSMAX                       RET04440
      PRINT 9338                                                        RET04450
      READ(5,*) WGR,COLA,INTR,INDOPT,INDPT,RPGF1,RPGF2                  RET04460
      CALL DISPCL                                                       RET04470
      PRINT 9339                                                        RET04480
      READ(5,*)M,N,RETOPT,FIRST,LAST,FILENR(1,5),FILENR(2,5),FILENR(3,5)RET04490
      M=M+1                                                             RET04500
C                                                                       RET04510
C     ROUTINE TO GET OUTPUT FILE LABEL                                  RET04520
      WRITE (6,9252)                                                    RET04530
      READ (5,9222) (LABEL(I),I=1,17)                                   RET04540
C                                                                       RET04550
C     ROUTINE TO GET MULTIPLIER & RETIREMENT POINT CALCULATION SCHEDULES RET04560
      CALL DISPCL                                                       RET04570
      PRINT 9373                                                        RET04580
      READ (5,*) BPT1,MAR1,BPT2,MAR2,BPT3,MAR3,BPT4,MAR4,BPT5,MAR5,     RET04590
     *           BPT6,MAR6                                              RET04600
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      CALL DISPCL                                                          RET04610
      PRINT 9374                                                           RET04620
      READ (5,*) APT1,AGE1,APT2,AGE2,APT3,AGE3,APT4,AGE4,APT5,AGE5         RET04630
C                                                                          RET04640
C     ROUTINE TO GET DECREMENT OPTIONS AND ARGUMENTS                       RET04650
      CALL DISPCL                                                          RET04660
      PRINT 9371                                                           RET04670
      PRINT 9370                                                           RET04680
      READ(5,*) D1,D1ARG1,D1ARG2                                           RET04690
      CALL DISPCL                                                          RET04700
      PRINT 9372                                                           RET04710
      PRINT 9370                                                           RET04720
      READ(5,*) D2,D2ARG1,D2ARG2                                           RET04730
C                                                                          RET04740
C     NOW PRINT OUT ALL THE INPUT VARIABLES*********************************RET04750
      CALL DISPCL                                                          RET04760
      WGR100=WGR*100                                                       RET04770
      COL100=COLA*100                                                      RET04780
      INT100=INTR*100                                                      RET04790
      WRITE(2,9375) ROPT(RETOPT),(LABEL(JJ),JJ=1,17),FIRST,LAST,           RET04800
     *PAYL(M-1),N,FREEPT,RPPYR,PTSPYR,WGR100,COL100,INT100,                RET04810
     *SSAGE,SS1,SS2,SSMAX,                                                 RET04820
     *INDL(INDOPT)                                                         RET04830
      RGF100=RPGF1*100                                                     RET04840
      RGF200=RPGF2*100                                                     RET04850
      IF (INDOPT.EQ.2.OR.INDOPT.EQ.3)                                      RET04860
     *WRITE(2,9376)RGF100,INDL(INDOPT),INDPT,RGF200                        RET04870
      WRITE(2,9377) (FILENR(JJ,5),JJ=1,3)                                  RET04880
      BPT2M1=BPT2-1                                                        RET04890
      MAR100=MAR1*100                                                      RET04900
      BPT3M1=BPT3-1                                                        RET04910
      MAR200=MAR2*100                                                      RET04920
      BPT4M1=BPT4-1                                                        RET04930
      MAR300=MAR3*100                                                      RET04940
      BPT5M1=BPT5-1                                                        RET04950
      MAR400=MAR4*100                                                      RET04960
      BPT6M1=BPT6-1                                                        RET04970
      MAR500=MAR5*100                                                      RET04980
      MAR600=MAR6*100                                                      RET04990
      MAX100=MAXRM*100                                                     RET05000
      MIN100=MINRM*100                                                     RET05010
      WRITE(2,9378)                                                        RET05020
     *BPT1,BPT2M1,MAR100,BPT2,BPT3M1,MAR200,BPT3,BPT4M1,MAR300,            RET05030
     *BPT4,BPT5M1,MAR400,BPT5,BPT6M1,MAR500,BPT6,MAR600,MIN100,MAX100      RET05040
      APT2M1=APT2-1                                                        RET05050
      APT3M1=APT3-1                                                        RET05060
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      APT4M1=APT4-1                                                          RETO5070
      APT5M1=APT5-1                                                          RETO5080
      WRITE(2,9379)                                                          RETO5090
     *APT1,APT2M1,AGE1, APT2,APT3M1,AGE2, APT3,APT4M1,AGE3,                  RETO5100
     *APT4,APT5M1,AGE4, APT5,AGE5                                            RETO5110
      D11=D1ARG1*100                                                         RETO5120
      WRITE(2,9380)                                                          RETO5130
      IF (D1.EQ.1) WRITE(2,9381) D11                                         RETO5140
      IF (D1.EQ.2) WRITE(2,9382) D11                                         RETO5150
      IF (D1.EQ.3) WRITE(2,9383) D11,D1ARG2                                  RETO5160
      IF (D1.EQ.4) WRITE(2,9384) D11,D1ARG2                                  RETO5170
      IF (D1.EQ.5) WRITE(2,9385) D11                                         RETO5180
      IF (D1.EQ.6) WRITE(2,9386) D11,D1ARG2                                  RETO5190
      IF (D1.EQ.7) WRITE(2,9387) D11                                         RETO5200
      D21=D2ARG1*100                                                         RETO5210
      WRITE(2,9390)                                                          RETO5220
      IF (D2.EQ.1) WRITE(2,9391) D21                                         RETO5230
      IF (D2.EQ.2) WRITE(2,9392) D21                                         RETO5240
      IF (D2.EQ.3) WRITE(2,9393) D21,D2ARG2                                  RETO5250
      IF (D2.EQ.4) WRITE(2,9394) D21,D2ARG2                                  RETO5260
      IF (D2.EQ.5) WRITE(2,9395) D21                                         RETO5270
      IF (D2.EQ.6) WRITE(2,9396) D21,D2ARG2                                  RETO5280
      IF (D2.EQ.7) WRITE(2,9397) D21                                         RETO5290
C    FINISHED PRINTING INPUT VARIABLES*************************************** RETO5300
C                                                                            RETO5310
C     EXECUTE PROGRAM FOR EACH COMMUNITY************************************ RETO5320
      DO 6000 L=1,3                                                          RETO5330
      EADAGE=EAGE(L)                                                         RETO5340
C                                                                            RETO5350
C     READ IN BASE PAY TABLE************************************************ RETO5360
      FILE1=FILENR(L,M)                                                      RETO5370
      READ (FILE1,9222)                                                      RETO5380
      DO 331 I=1,35                                                          RETO5390
331   READ(FILE1,1) (BASE(I,J),J=1,10)                                       RETO5400
      REWIND FILE1                                                           RETO5410
C                                                                            RETO5420
C     READ IN MORTALITY TABLE*********************************************** RETO5430
      FILE2=FILENR(L,1)                                                      RETO5440
      READ (FILE2,9222)                                                      RETO5450
      DO 332 I=1,35                                                          RETO5460
332   READ(FILE2,1) (T1(I,J),J=1,10)                                         RETO5470
      REWIND FILE2                                                           RETO5480
C                                                                            RETO5490
C     MAP FROM T1 ARRAY INTO DEATH(I)                                        RETO5500
      DO 801 I=1,35                                                          RETO5510
      DO 801 J=1,3                                                           RETO5520
```

```
      E1=I+(J-1)*35                                                    RET05530
      INDEX(E1)=T1(I,2*J-1)                                            RET05540
      DEATH(E1)=T1(I,2*J)                                              RET05550
801   CONTINUE                                                         RET05560
      OFFSET=INDEX(1)-1                                                RET05570
C                                                                      RET05580
C     INITIALIZE ARRAYS                                                RET05590
      DO 802 I=1,35                                                    RET05600
      DO 802 J=1,10                                                    RET05610
      TABLE(I,J)=0.0                                                   RET05620
      T1(I,J)=0.0                                                      RET05630
      T2(I,J)=0.0                                                      RET05640
      EL(I,J)=0.0                                                      RET05650
 802  CONTINUE                                                         RET05660
C                                                                      RET05670
C     START ALGORITHM*************************************************** RET05680
C     DO IT FOR EACH GRADE(J) AND RETIREMENT YOS(I)********************** RET05690
      DO 333 I=FIRST,LAST                                              RET05700
      DO 333 J=1,10                                                    RET05710
C                                                                      RET05720
C    INITIALIZE VARIABLES FOR EACH PASS*********************************** RET05730
C                                                                      RET05740
C    COMPUTE LIMIT FOR K-LOOP                                          RET05750
      E1=110-(EADAGE+I-1)                                              RET05760
C                                                                      RET05770
C    ROUTINE TO COMPUTE PT AT WHICH FULL ANNUITY BEGINS                RET05780
      IF (I.GE.APT1) RETAGE=AGE1                                       RET05790
      IF (I.GE.APT2) RETAGE=AGE2                                       RET05800
      IF (I.GE.APT3) RETAGE=AGE3                                       RET05810
      IF (I.GE.APT4) RETAGE=AGE4                                       RET05820
      IF (I.GE.APT5) RETAGE=AGE5                                       RET05830
C                                                                      RET05840
C    COMPUTE YOS FOR RETIREMENT PURPOSES (BASED ON POINT ACCRUAL RATES) RET05850
      RYOS=(FREEPT+I*RPPYR)/PTSPYR                                     RET05860
C                                                                      RET05870
C    ROUTINE TO COMPUTE HI3,ETC                                        RET05880
      RPBASE=BASE(I,J)                                                 RET05890
      NN=N                                                             RET05900
      IF (I.LE.N) NN=I-1                                               RET05910
      IF (NN.EQ.0) GO TO 6003                                          RET05920
      SUMM=0.0                                                         RET05930
      DO 6004 Y=1,NN                                                   RET05940
C    WATCH OUT--SUBSCRIPT COULD GO BELOW 1***************************** RET05950
 6004 SUMM=SUMM+0.5* (((1.0/((1.0+WGR)**(Y-1)))*BASE(I-(Y-1),J))       RET05960
     *                +((1.0/((1.0+WGR)**(Y)))*BASE(I-(Y),J)))         RET05970
      RPBASE=SUMM/NN                                                   RET05980
```

```
 6003 CONTINUE                                                          RET05990
      IF (BASE(I,J).EQ.0.0) BASE(I,J)=1.0                               RET06000
      HXRF(L,I,J)=RPBASE/BASE(I,J)                                      RET06010
      SSOSPC=SS1+SS2*I                                                  RET06020
      IF (SSOSPC.GT.SSMAX) SSOSPC=SSMAX                                 RET06030
      SSOS=SSOSPC*NPIA(L,I)/12.0                                        RET06040
      PCSS=0.0                                                          RET06050
      IF (RPBASE.NE.0.0) PCSS=SSOS/RPBASE                               RET06060
C                                                                       RET06070
C     COMPUTE BASIC MULTIPLIER*****************************************RET06080
      BAM=AMAX1(0.0,AMIN0(RYOS-(BPT1-1),BPT2-BPT1))*MAR1                RET06090
     *    +AMAX1(0.0,AMIN0(RYOS-(BPT2-1),BPT3-BPT2))*MAR2               RET06100
     *    +AMAX1(0.0,AMIN0(RYOS-(BPT3-1),BPT4-BPT3))*MAR3               RET06110
     *    +AMAX1(0.0,AMIN0(RYOS-(BPT4-1),BPT5-BPT4))*MAR4               RET06120
     *    +AMAX1(0.0,AMIN0(RYOS-(BPT5-1),BPT6-BPT5))*MAR5               RET06130
     *    +AMAX1(0.0,AMIN0(RYOS-(BPT6-1),100))*MAR6                     RET06140
      BAM=AMIN1(MAXRM,BAM)                                              RET06150
C                                                                       RET06160
C     INSERT ROUTINE TO CALCULATE DECREMENT #1                          RET06170
      DEC1=0.0                                                          RET06180
      GO TO (501,502,503,504,505,506,507),D1                            RET06190
 501  DEC1=BAM*D1ARG1                                                   RET06200
      GO TO 508                                                         RET06210
 502  DEC1=D1ARG1                                                       RET06220
      GO TO 508                                                         RET06230
 503  DEC1=BAM*D1ARG1*AMAX0(0,D1ARG2-RETAGE)                            RET06240
      GO TO 508                                                         RET06250
C504  DEC1=BAM*D1ARG1*AMAX0(0,D1ARG2-I)                                 RET06260
C     USE THE NEXT LINE IF YOU WANT DECREMENT TO BE IN %-PTS            RET06270
 504  DEC1=    D1ARG1*AMAX0(0,D1ARG2-I)                                 RET06280
      GO TO 508                                                         RET06290
 505  DEC1=BAM*D1ARG1*AMAX0(0,HYT(J,L)-I)                               RET06300
      GO TO 508                                                         RET06310
 506  DEC1=0.0                                                          RET06320
      IF (I.LT.D1ARG2) DEC1=BAM*D1ARG1                                  RET06330
      GO TO 508                                                         RET06340
 507  DEC1=BAM*D1ARG1*AMAX0(0,RETAGE-AGE(K))                            RET06350
 508  CONTINUE                                                          RET06360
C                                                                       RET06370
      POP(1)=5000.0                                                     RET06380
      HOLD1=0.0                                                         RET06390
      HOLD2=0.0                                                         RET06400
C                                                                       RET06410
C     RUN POPULATION OUT TO MAXAGE AND COMPUTE PAYS********************RET06420
      DO 334 K=1,E1                                                     RET06430
      SVC(K)=K+I-1                                                      RET06440
```

```
      AGE(K)=EADAGE+SVC(K)                                                  RET06450
      WGF(K)=1.0/((1.0+WGR)**(K-1))                                         RET06460
      RPB(K)=RPBASE*WGF(K)                                                  RET06470
C                                                                           RET06480
C     THE FOLLOWING LINES COMPUTE THE INDEXING OF RETIRED PAY               RET06490
      IF (K.EQ.1) RPGF(K)=1.00                                              RET06500
      IF (K.EQ.1) GO TO 6001                                                RET06510
      FACTOR=RPGF1                                                          RET06520
      IF ((INDOPT.EQ.2.AND.AGE(K).GT.INDPT).OR.                             RET06530
     *    (INDOPT.EQ.3.AND.SVC(K).GT.INDPT)) FACTOR=RPGF2                   RET06540
      IF (INDOPT.EQ.4) FACTOR=0.0                                           RET06550
      IF (INDOPT.EQ.1) FACTOR=1.0                                           RET06560
      RPGF(K)=RPGF(K-1)*(1.0+FACTOR*COLA)                                   RET06570
 6001 CONTINUE                                                              RET06580
      CRPB(K)=RPB(K)*RPGF(K)                                                RET06590
C                                                                           RET06600
      RYS(K)=RYOS                                                           RET06610
      BM(K)=BAM                                                             RET06620
      DECR1(K)=DEC1                                                         RET06630
      FM(K)=BM(K)-DECR1(K)                                                  RET06640
C                                                                           RET06650
C     INSERT DECR2 COMPUTATION AT THIS POINT                                RET06660
      DECR2(K)=0.0                                                          RET06670
      GO TO (511,512,513,514,515,516,517),D2                                RET06680
511   DECR2(K)=FM(K)*D2ARG1                                                 RET06690
      GO TO 518                                                             RET06700
512   DECR2(K)=D2ARG1                                                       RET06710
      GO TO 518                                                             RET06720
513   DECR2(K)=FM(K)*D2ARG1*AMAX0(0,D2ARG2-RETAGE)                          RET06730
      GO TO 518                                                             RET06740
 514  DECR2(K)=FM(K)*D2ARG1*AMAX0(0,D2ARG2-I)                               RET06750
C  USE THE NEXT LINE INSTEAD IF YOU WANT DECREMENT TO BE IN %-PTS           RET06760
C514  DECR2(K)=      D2ARG1*AMAX0(0,D2ARG2-I)                               RET06770
      GO TO 518                                                             RET06780
515   DECR2(K)=FM(K)*D2ARG1*AMAX0(0,HYT(J,L)-I)                             RET06790
      GO TO 518                                                             RET06800
516   DECR2(K)=0.0                                                          RET06810
      IF (I.LT.D2ARG2) DECR2(K)=FM(K)*D2ARG1                                RET06820
      GO TO 518                                                             RET06830
517   DECR2(K)=FM(K)*D2ARG1*AMAX0(0,RETAGE-AGE(K))                          RET06840
518   CONTINUE                                                              RET06850
      IF ((RETAGE.GT.35.AND.AGE(K).GE.RETAGE).OR.                           RET06860
     *    (RETAGE.LE.35.AND.SVC(K).GE.RETAGE))      DECR2(K)=0.0           RET06870
      IF (RETOPT.EQ.3.AND.                                                  RET06880
     *((RETAGE.GT.35.AND.AGE(K).LT.RETAGE).OR.                              RET06890
     * (RETAGE.LE.35.AND.SVC(K).LT.RETAGE)))       DECR2(K)=FM(K)         RET06900
```

```
C                                                                       RET06910
C                                                                       RET06920
C***OLD CODE*****************************************************************RET06930
C     MULT(K)=AMIN1(MAXRM,(I*0 025+AMAX1(0.0,(I-IMAGE)*INCR)))          RET06940
C THE NEXT TWO LINES DELAY THE ANNUITY TO YOS=30                        RET06950
C     MULT(K)=0.0                                                       RET06960
C     IF (SVC(K).GE.30) MULT(K)=AMIN1(MAXRM,(I*0.025))                  RET06970
C     MULT(K)=AMIN1(MAXRM,(I*0.025*(1.0-0.03*(30-I))))                  RET06980
C     MULT(K)=AMIN1(MAXRM,(I*0.025*(1.0-0.03*(65-55))))                 RET06990
C THE NEXT TWO LINES DELAY THE ANNUITY TO AGE=65                        RET07000
C     MULT(K)=0.0                                                       RET07010
C     IF (AGE(K).GE.65) MULT(K)=I*0.025                                 RET07020
C     IF (SVC(K).LT.FULAGE) MULT(K)=MULT(K)-REDMLT                      RET07030
C******END OF OLD CODE *******************************************************RET07040
C                                                                       RET07050
      CM(K)=FM(K)-DECR2(K)                                              RET07060
      CM(K)=AMAX1(MINRM,CM(K))                                          RET07070
      CA(K)=CM(K)*CRPB(K)                                               RET07080
C                                                                       RET07090
C     INSERT COMPUTATIONS FOR VARIOUS OFFSETS AT THIS POINT             RET07100
C          SOCIAL SECURITY, SBP, MISCELLANEOUS                          RET07110
C***OLD SOCIAL SECURITY OFFSET CALCULATION*********************************RET07120
C     P1=13200/((1.0+WGR)**(AGE(K)-EADAGE))                             RET07130
C     MCE=P1*(1.0-(1.0+WGR)**I)/(1.0-(1.0+WGR))                         RET07140
C     AMCE=MCE/(62-EADAGE-YRFREE)                                       RET07150
C                                                                       RET07160
C     COMPUTE PIA BASED ON MONTHLY AMCE*************************************RET07170
C                                                                       RET07180
C     MOAMCE=AMCE/12.0                                                  RET07190
C     IF (MOAMCE.GT.76) GO TO 336                                       RET07200
C     PIA=93.80                                                         RET07210
C     GO TO 3392                                                        RET07220
C336  IF (MOAMCE.GT.110) GO TO 337                                      RET07230
C     PIA=93.80+1.15*(MOAMCE-76)                                        RET07240
C     GO TO 3392                                                        RET07250
C337  IF (MOAMCE.GT.660) GO TO 338                                      RET07260
C     PIA=132.90+0.4304*(MOAMCE-110)                                    RET07270
C     GO TO 3392                                                        RET07280
C338  IF (MOAMCE.GT.750) GO TO 339                                      RET07290
C     PIA=369.60+0.265556*(MOAMCE-660)                                  RET07300
C     GO TO 3392                                                        RET07310
C339  IF (MOAMCE.GT.1000) GO TO 3391                                    RET07320
C     PIA=393.50+0.222*(MOAMCE-750)                                     RET07330
C     GO TO 3392                                                        RET07340
C3391 PIA=449.00+0.2*(MOAMCE-1000)                                      RET07350
C                                                                       RET07360
```

```
C     FINISHED COMPUTING PIA; NOW GO ON*************************************** RET07370
C                                                                               RET07380
C3392 SSD(K)=PIA/2.0                                                            RET07390
C     IF (AGE(K).LT.SSAGE) SSD(K)=0.0                                           RET07400
C*******END OF OLD SS CALCULATION*************************************************RET07410
C                                                                               RET07420
      SS(K)=0.0                                                                 RET07430
      IF (AGE(K).GE.SSAGE) SS(K)=RPB(K)*PCSS                                    RET07440
      SBP(K)=0.0                                                                RET07450
      MISC(K)=0.0                                                               RET07460
      NA(K)=CA(K)-SS(K)-SBP(K)-MISC(K)                                          RET07470
C         DEATH RATES                                                           RET07480
      E2=AGE(K)-OFFSET                                                          RET07490
      IF (AGE(K).LT.35) E2=35-OFFSET                                            RET07500
      DR(K)=DEATH(E2)                                                           RET07510
      IF (K.NE.1) POP(K)=POP(K-1)*(1.0-DR(K-1))                                 RET07520
      MY(K)=POP(K)*(1.0-0.5*DR(K))                                              RET07530
      COST(K)=MY(K)*NA(K)                                                       RET07540
      HOLD1=HOLD1+COST(K)                                                       RET07550
      HOLD2=HOLD2+MY(K)                                                         RET07560
C                                                                               RET07570
334   CONTINUE                                                                  RET07580
C                                                                               RET07590
C                                                                               RET07600
C     PRINT OUT COMPUTATIONS FOR EXAMPLE(I,J)*******************************   RET07610
      IF (J.NE.EXGRD(L,RETOPT).OR.I.NE.EXYOS(L,RETOPT)) GO TO 3394              RET07620
      WRITE(2,9333) EXGRD(L,RETOPT),EXYOS(L,RETOPT),BASE(I,J),                  RET07630
     *              ROPT(RETOPT),N                                              RET07640
      DO 3393 K=1,E1                                                            RET07650
3393  WRITE(2,9334) K,SVC(K),AGE(K),WGF(K),RPB(K),RPGF(K),CRPB(K),              RET07660
     *              RYS(K),BM(K),DECR1(K),FM(K),DECR2(K),CM(K),CA(K),           RET07670
     *              SS(K),SBP(K),MISC(K),NA(K),POP(K),DR(K),MY(K),              RET07680
     *              COST(K)                                                     RET07690
C                                                                               RET07700
C     NOW COLLAPSE COSTS OF RETIREES FROM POINT(I,J) INTO COST FACTOR*****      RET07710
C                                                                               RET07720
3394  CONTINUE                                                                  RET07730
      TABLE(I,J)=12.0*HOLD1/5000.0                                              RET07740
      EL(I,J)=HOLD2/5000.0                                                      RET07750
      T1(I,J)=NA(1)*12.0                                                        RET07760
C                                                                               RET07770
333   CONTINUE                                                                  RET07780
C                                                                               RET07790
C     PRINT RETIRED PAY TABLE AND EXP. LIFETIME TABLE                           RET07800
C                                                                               RET07810
      CALL DISPCL                                                               RET07820
```

```
      WRITE(2,9335)(J,J=1,6),(J,J=4,6)                                  RET07830
      DO 3395 I=FIRST,LAST                                              RET07840
      DUMMY4=TABLE(I,4)/EL(I,4)                                         RET07850
      DUMMY5=TABLE(I,5)/EL(I,5)                                         RET07860
      DUMMY6=TABLE(I,6)/EL(I,6)                                         RET07870
3395  WRITE(2,9336) I,(TABLE(I,J),J=1,6),EL(I,6),DUMMY4,DUMMY5,DUMMY6   RET07880
C                                                                       RET07890
C     COMPLETE TABLE AND CREATE THE RETIRED PAY COST FILE               RET07900
C                                                                       RET07910
C NEXT 4 LINES ARE SKIPPED WHEN COMPUTING DIS RET PAY OR VESTING        RET07920
      IF(RETOPT.NE.1)GOTO 805                                           RET07930
      DO 3396 I=1 ,19                                                   RET07940
      DO 3396 J=1,10                                                    RET07950
      EL(I,J)=EL(20,J)                                                  RET07960
 3396 TABLE(I,J)=TABLE(20,J)                                            RET07970
 805  CONTINUE                                                          RET07980
C     WRITE OUTPUT DISPLAYS                                             RET07990
      WRITE(2,4007)                                                     RET08000
4007  FORMAT(1H1,'ANNUAL COST FACTORS FOR RETIRED PAY')                 RET08010
      DO 4000 I=1 ,35                                                   RET08020
4000  WRITE(2,4001) I,(TABLE(I,J),J=1,10)                               RET08030
4001  FORMAT(I4,10F12.0)                                                RET08040
C                                                                       RET08050
C     WRITE(2,4008)                                                     RET08060
C4008 FORMAT(//1H1,'YOS  AGE  EXP.LIFE  EXP.DEATH')                     RET08070
C     DO 4002 I=1 ,35                                                   RET08080
C     IAGE=I+EADAGE                                                     RET08090
C     EXPDTH=IAGE+EL(I,1)                                               RET08100
C4002 WRITE(2,4003) I,IAGE,EL(I,1),EXPDTH                               RET08110
C4003 FORMAT(2I5,2F7.2)                                                 RET08120
C*************************************************************************RET08130
      DO 4006 I=1 ,35                                                   RET08140
      DO 4011 J=1,10                                                    RET08150
      IF (EL(I,J).EQ.0.0) GO TO 4006                                    RET08160
 4011 T2(I,J)=TABLE(I,J)/EL(I,J)                                        RET08170
 4006 CONTINUE                                                          RET08180
C                                                                       RET08190
      WRITE(2,4009)                                                     RET08200
 4009 FORMAT(1H1,'AVERAGE ANNUAL RETIRED PAY PER RETIREE',20X,          RET08210
     *           'ANNUAL RETIRED PAY FOR CURRENT RETIREES')             RET08220
      DO 4004 I=1 ,35                                                   RET08230
 4004 WRITE(2,4010) I,(T2(I,J),J=1,10),I,(T1(I,J),J=1,10)               RET08240
 4010 FORMAT (2(I3,10F6.0))                                             RET08250
C*************************************************************************RET08260
C     WRITE(2,4009)                                                     RET08270
C4009 FORMAT(1H1,'AVERAGE ANNUAL RETIRED PAY PER RETIREE')              RET08280
```

```
C     DO 4004 I=1 ,35                                                    RET08290
C     DO 4011 J=1,10                                                     RET08300
C     IF (EL(I,J).EQ.0.0) GO TO 4004                                     RET08310
C4011 T2(I,J)=TABLE(I,J)/EL(I,J)                                         RET08320
C4004 WRITE(2,4001) I,(T2(I,J),J=1,10)                                   RET08330
C                                                                        RET08340
C     WRITE(2,4010)                                                      RET08350
C4010 FORMAT(//1H1,'ANNUAL RETIRED PAY FOR CURRENT RETIREES')            RET08360
C     DO 4006 I=1 ,35                                                    RET08370
C4006 WRITE(2,4001) I,(T1(I,J),J=1,10)                                   RET08380
C                                                                        RET08390
C     WRITE THE FILE TO DISK*************************************        RET08400
      IFILE6=FILENR(L,5)                                                 RET08410
      WRITE (IFILE6,9222) CFLAB,COMM(L),ROPT(RETOPT),(LABEL(I),I=1,17)   RET08420
      DO 6002 J=1,35                                                     RET08430
 6002 WRITE (IFILE6,1) (TABLE(J,K),K=1,10)                               RET08440
      REWIND IFILE6                                                      RET08450
C                                                                        RET08460
 6000 CONTINUE                                                           RET08470
C     THIS SECTION IS DELETABLE--IT PRINTS OUT HI-3 REDUCTION FACTORS     RET08480
      DO 7221 L=1,3                                                      RET08490
      WRITE(2,*)L,N                                                      RET08500
      WRITE(2,9241)                                                      RET08510
      DO 7221 I=1,35                                                     RET08520
      WRITE(2,9242) I,(HXRF(L,I,J),J=1,10)                               RET08530
 7221 CONTINUE                                                           RET08540
C                                                                        RET08550
C     RETURN TO MAIN PROGRAM                                             RET08560
      GO TO 5                                                            RET08570
C                                                                        RET08580
C     THIS IS THE ROUTINE FOR BUILDING A RATE VECTOR(EX-DEATH RATES)*****RET08590
C     ***************************DRBILD*************************************** RET08600
34    CALL DISPCL                                                        RET08610
      PRINT 9340                                                         RET08620
9340  FORMAT(1X,'PRINT INDEX FOR FIRST ENTRY,INDEX FOR LAST ENTRY')      RET08630
      READ (5,*) FIRST,LAST                                              RET08640
      OFFSET=FIRST-1                                                     RET08650
      E1=FIRST-OFFSET                                                    RET08660
      E2=LAST-OFFSET                                                     RET08670
      IF (E2.LE.100) GO TO 340                                           RET08680
      PRINT 9342                                                         RET08690
9342  FORMAT(1X,'RATE VECTOR CANNOT EXCEED 100 ENTRIES,TRY AGAIN')       RET08700
      GO TO 34                                                           RET08710
340   DO 342 I=1,E2                                                      RET0872
342   INDEX(I)=I+OFFSET                                                  RET08730
      DO 341 I=1,E2,5                                                    RET08740
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      PRINT 9343, INDEX(I),INDEX(I+4)                                    RET08750
9343  FORMAT(1X,'ENTER RATES FOR YR=',I3,'THRU YR=',I3)                  RET08760
341   READ (5,*) (RATE(I+J-1),J=1,5)                                    RET08770
C     PRINT OUT DISPLAY OF RATES                                         RET08780
      CALL DISPCL                                                        RET08790
      PRINT 9344                                                         RET08800
9344  FORMAT(1X,5(' YR    RATE'))                                        RET08810
      DO 343 I=1,35                                                      RET08820
343   WRITE (6,9345) ((INDEX(I+35*(J-1)),RATE(I+35*(J-1))),J=1,5)        RET08830
9345  FORMAT(1X,5(I3,F8.5))                                              RET08840
      PAUSE 'PRESS S/R KEY TO CONTINUE'                                  RET08850
C     NOW TRANSFER DATA INTO TABLE ARRAY                                 RET08860
      DO 344 I=1,35                                                      RET08870
      DO 344 J=1,5                                                       RET08880
      TABLE(I,2*J-1)=INDEX(I+35*(J-1))                                   RET08890
      TABLE(I,2*J)=RATE(I+35*(J-1))                                      RET08900
344   CONTINUE                                                           RET08910
      GO TO 5                                                            RET08920
C                                                                        RET08930
C     PRINT DIRECTORY OF FILES IN STORAGE**********************************RET08940
35    CALL DISPCL                                                        RET08950
      PRINT 9225                                                         RET08960
      DO 10 IFILE=10,29                                                  RET08970
      READ (IFILE,9222) (LABEL(I),I=1,17)                                RET08980
      REWIND IFILE                                                       RET08990
10    WRITE (6,9224)IFILE,(LABEL(I),I=1,17)                              RET09000
      PAUSE 'PRESS S/R KEY TO CONTINUE'                                  RET09010
      CALL DISPCL                                                        RET09020
      PRINT 9225                                                         RET09030
      DO 11 IFILE=30,49                                                  RET09040
      READ (IFILE,9222) (LABEL(I),I=1,17)                                RET09050
      REWIND IFILE                                                       RET09060
11    WRITE (6,9224)IFILE,(LABEL(I),I=1,17)                              RET09070
      PAUSE 'PRESS S/R KEY TO CONTINUE'                                  RET09080
      GO TO 5                                                            RET09090
C                                                                        RET09100
C     END THE PROGRAM*****************************************************RET09110
32    STOP                                                               RET09120
      END                                                                RET09130
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FILE: CON      FILE     A                VM/SP CONVERSATIONAL MONITOR SYSTEM
PAGE 001


RUNCFC RETIRE
G1 COMPILER ENTERED
SOURCE ANALYZED
PROGRAM NAME = RETIRE
DMSLIO740I EXECUTION BEGINS...
*************************************************************************************
OPTIONS ARE AS FOLLOWS:
1=INITIALIZE TABLE WITH ZEROS
2=GET A FILE FROM STORAGE
3=GET A SECOND FILE FROM STORAGE
4=DISPLAY CONTENTS OF CURRENT FILE
5=PUT A FILE IN STORAGE
6=CREATE A FILE BY YOS
7=CREATE A FILE BY GRADE
8=ADD TWO FILES
9=MULTIPLY TWO FILES
10=PUT A CAP ON A FILE
11=PUT A FLOOR ON A FILE
12=RETIREMENT COST FACTORS
13=RATE VECTOR OPTION
14=PRINT STORAGE DIRECTORY
15=TERMINATE

OPTION DESIRED?
?
12
*************************************************************************************
GIVE:
--MAXIMUM MULTIPLIER,
--MINIMUM MULTIPLIER,
--SSAGE,
--SS OFFSET CONSTANT %,
--SS OFFSET % PER YOS,
--SS OFFSET % MAXIMUM:
?
.75 0 62 0 .01 .38
*************************************************************************************
GIVE:
--ANNUAL WAGE GROWTH RATE,
--ANNUAL COLA GROWTH RATE,
--ANNUAL INTEREST RATE,
--INDEXING OPTION:IMMED=1,BY AGE=2,BY YOS=3,NONE=4,
--INDEXING POINT:SPECIFY AGE OR YOS,
--FIRST INDEXING RATE,
--SECOND INDEXING RATE,
?
```

```
.055 .05 .06 2 62 .5 .8
*************************************************************************
*************************************************************************
*************************************************************************
*************************************************************************
GIVE:
--PAY BASE FILE: BP=1, BMC=2, RMC=3
--PAY AVERAGE OPTION: TERM=0, HI-1=1, HI-3=3, ETC
--TYPE OF PAY:NONDISABILITY=1,DISABILITY=2,VESTING=3,
--START YOS,
--LAST YOS:
--OFFICER OUTPUT FILE #
--WARRANT OUTPUT FILE #
--ENLISTED OUTPUT FILE #
?
1 3 1 20 35 47 48 49
*************************************************************************
LABEL?
EXAMPLE OF RETIREMENT COST FILE BUILD PROGRAM
*************************************************************************
INPUT MULTIPLIER SCHEDULE--6 PAIRS OF NUMBERS (1,0.025)
?
1 .025 21 .03 25 .035 31 .04 36 0 37 0
*************************************************************************
INPUT RETIREMENT SCHEDULE--5 PAIRS OF NUMBERS (20,65)
?
1 200 20 58 24 0 36 0 37 0
*************************************************************************
DECREMENT #1 (FULL ANNUITY)
DECREMENT CHOICES--GIVE OPTION,ARGUMENT#1,ARGUMENT#2
#1=CONSTANT % (ARG1)          (SET ARG2=0)
#2=CONSTANT % POINTS (ARG1)   (SET ARG2=0)
#3=VARIABLE % BASED ON AGE--% REDUCTION/YR (ARG1) TIMES # OF
   YEARS ANNUITY START POINT PRECEDES A CERTAIN AGE (ARG2)
#4=VARIABLE % BASED ON YOS--% REDUCTION/YR (ARG1) TIMES # OF
   YEARS ANNUITY START POINT PRECEDES A CERTAIN YOS (ARG2)
#5=VARIABLE % BASED ON YOS--% REDUCTION/YR (ARG1) TIMES # OF
   YEARS ANNUITY START POINT PRECEDES MAND RET POINTS
   (SET ARG2=0)
#6=CONSTANT % (ARG1) IF YOS AT EXIT IS LESS THAN A CERTAIN
   YOS (ARG2)
#7=FLOATING % BASED ON AGE--% REDUCTION/YR (ARG1) TIMES # OF
   YEARS CURRENT AGE IS LESS THAN FULL ANNUITY START AGE
   (SET ARG2=0)
?
4 .03 30
```

```
**********************************************************************************
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**********************************************************************************
**********************************************************************************
**********************************************************************************
DECREMENT #2 (EARLY ANNUITY)
DECREMENT CHOICES--GIVE OPTION,ARGUMENT#1,ARGUMENT#2
#1=CONSTANT % (ARG1)          (SET ARG2=0)
#2=CONSTANT % POINTS (ARG1)   (SET ARG2=0)
#3=VARIABLE % BASED ON AGE--% REDUCTION/YR (ARG1) TIMES # OF
   YEARS ANNUITY START POINT PRECEDES A CERTAIN AGE (ARG2)
#4=VARIABLE % BASED ON YOS--% REDUCTION/YR (ARG1) TIMES # OF
   YEARS ANNUITY START POINT PRECEDES A CERTAIN YOS (ARG2)
#5=VARIABLE % BASED ON YOS--% REDUCTION/YR (ARG1) TIMES # OF
   YEARS ANNUITY START POINT PRECEDES MAND RET POINTS
   (SET ARG2=0)
#6=CONSTANT % (ARG1) IF YOS AT EXIT IS LESS THAN A CERTAIN
   YOS (ARG2)
#7=FLOATING % BASED ON AGE--% REDUCTION/YR (ARG1) TIMES # OF
   YEARS CURRENT AGE IS LESS THAN FULL ANNUITY START AGE
   (SET ARG2=0)
?
2 .05 0
**********************************************************************************
OPTIONS ARE AS FOLLOWS:
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5=PUT A FILE IN STORAGE
6=CREATE A FILE BY YOS
7=CREATE A FILE BY GRADE
8=ADD TWO FILES
9=MULTIPLY TWO FILES
10=PUT A CAP ON A FILE
11=PUT A FLOOR ON A FILE
12=RETIREMENT COST FACTORS
13=RATE VECTOR OPTION
14=PRINT STORAGE DIRECTORY
15=TERMINATE

OPTION DESIRED?
```

FILE: CON FILE A VM/SP CONVERSATIONAL MONITOR SYSTEM
PAGE 004

```
?
15
```

```
R; T=23.87/26.44 10:42:51
```

```
INPUT VARIABLES:
     SYSTEM: NDIS
     LABEL: EXAMPLE OF RETIREMENT COST FILE BUILD PROGRAM
     APPLICABLE TO LOSSES BETWEEN  20 AND  35 YOS.
     PAY BASIS:   BP, HI- 3
     POINTS:  FREE POINTS=    0.
              RETIREMENT POINT ACCRUAL RATE/ ACTIVE YOS=  1.000
              POINTS NEEDED PER RETIREMENT YOS=  1.000
     ECONOMIC ASSUMPTIONS:  ANNUAL WAGE GROWTH RATE= 5.50%
                            ANNUAL INFLATION (COLA)= 5.00%
                            ANNUAL INTEREST RATE   = 6.00%
     SS OFFSET: AGE=  62 CONSTANT %= 0.0  VAR %/YOS= 0.01
                MAXIMUM %= 0.38
     INDEXING:  OPTION-- AGE
                STAGE #1-- 50.00% OF COLA UNTIL  AGE =62
                STAGE #2-- 80.00% OF COLA UNTIL DEATH
      OUTPUT FILE LOCATIONS:  OFFICER=47
                              WARRANT=48
                             ENLISTED=49

      BASIC MULTIPLIER ACCRUAL SCHEDULE:
         FOR EVERY COMPLETED YOS BETWEEN   1 AND  20 (INCLUSIVE), YOU GET  2.50 PERCENTAGE POINTS.
         FOR EVERY COMPLETED YOS BETWEEN  21 AND  24 (INCLUSIVE), YOU GET  3.00 PERCENTAGE POINTS.
         FOR EVERY COMPLETED YOS BETWEEN  25 AND  30 (INCLUSIVE), YOU GET  3.50 PERCENTAGE POINTS.
         FOR EVERY COMPLETED YOS BETWEEN  31 AND  35 (INCLUSIVE), YOU GET  4.00 PERCENTAGE POINTS.
         FOR EVERY COMPLETED YOS BETWEEN  36 AND  36 (INCLUSIVE), YOU GET  0.0  PERCENTAGE POINTS.
         FOR EVERY COMPLETED YOS BETWEEN  37 AND  99 (INCLUSIVE), YOU GET  0.0  PERCENTAGE POINTS.
       HOWEVER, YOUR TOTAL MULTIPLIER IS LIMITED TO  0.0 --75.00 PERCENTAGE POINTS.

      FULL ANNUITY START POINT SCHEDULE:
         IF YOU LEAVE SERVICE WITH BETWEEN   1 AND  19 YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT 200 AGE/YOS
         IF YOU LEAVE SERVICE WITH BETWEEN  20 AND  23 YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT  58 AGE/YOS
         IF YOU LEAVE SERVICE WITH BETWEEN  24 AND  35 YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT   0 AGE/YOS
         IF YOU LEAVE SERVICE WITH BETWEEN  36 AND  36 YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT   0 AGE/YOS
         IF YOU LEAVE SERVICE WITH BETWEEN  37 AND  99 YOS (INCLUSIVE), YOUR FULL ANNUITY STARTS AT   0 AGE/YOS

FULL ANNUITY MULTIPLIER=BASIC MULTIPLIER LESS DECREMENT #1; DECREMENT #1 OPTION IS:
 #4=VARIABLE % BASED ON YOS--  3.000 % REDUCTION/YR TIMES # OF YEARS ANNUITY START POINT PRECEDES  30 YOS
EARLY ANNUITY MULTIPLIER=FULL ANNUITY MULTIPLIER LESS DECREMENT #2; DECREMENT #2 OPTION IS:
 #2=  5.000 % POINTS
```

EXAMPLE FOR GRADE G- 5 AND 23 YOS, BP=3140. RETIREMENT OPTION=NDIS PAY AVG OPTION=HI- 3

K	SV	AG	WGF	RPB	RPGF	CRPB	RY	BM	DECR1	FM	DECR2	CM	CA	SS	SBP	MISC	NA	POP	DR	MY	COST
1	23	46	1.000	2809.	1.00	2809.	23	0.590	0.210	0.380	0.050	0.330	927.	0.	0.	0.	927.	5000.	0.003	4992.	4626914.
2	24	47	0.948	2662.	1.02	2729.	23	0.590	0.210	0.380	0.050	0.330	901.	0.	0.	0.	901.	4984.	0.004	4975.	4479835.
3	25	48	0.898	2524.	1.05	2651.	23	0.590	0.210	0.380	0.050	0.330	875.	0.	0.	0.	875.	4966.	0.004	4956.	4336129.
4	26	49	0.852	2392.	1.08	2576.	23	0.590	0.210	0.380	0.050	0.330	850.	0.	0.	0.	850.	4946.	0.004	4936.	4195554.
5	27	50	0.807	2267.	1.10	2503.	23	0.590	0.210	0.380	0.050	0.330	826.	0.	0.	0.	826.	4925.	0.005	4913.	4057912.
6	28	51	0.765	2149.	1.13	2432.	23	0.590	0.210	0.380	0.050	0.330	802.	0.	0.	0.	802.	4902.	0.005	4889.	3923207.
7	29	52	0.725	2037.	1.16	2362.	23	0.590	0.210	0.380	0.050	0.330	780.	0.	0.	0.	780.	4877.	0.006	4863.	3791254.
8	30	53	0.687	1931.	1.19	2295.	23	0.590	0.210	0.380	0.050	0.330	757.	0.	0.	0.	757.	4849.	0.006	4835.	3661900.
9	31	54	0.652	1830.	1.22	2230.	23	0.590	0.210	0.380	0.050	0.330	736.	0.	0.	0.	736.	4820.	0.007	4804.	3535007.
10	32	55	0.618	1735.	1.25	2167.	23	0.590	0.210	0.380	0.050	0.330	715.	0.	0.	0.	715.	4788.	0.007	4770.	3410446.
11	33	56	0.585	1644.	1.28	2105.	23	0.590	0.210	0.380	0.050	0.330	695.	0.	0.	0.	695.	4753.	0.008	4734.	3288291.
12	34	57	0.555	1559.	1.31	2045.	23	0.590	0.210	0.380	0.050	0.330	675.	0.	0.	0.	675.	4715.	0.009	4695.	3168272.
13	35	58	0.526	1477.	1.34	1987.	23	0.590	0.210	0.380	0.0	0.380	755.	0.	0.	0.	755.	4674.	0.009	4652.	3512498.
14	36	59	0.499	1400.	1.38	1930.	23	0.590	0.210	0.380	0.0	0.380	734.	0.	0.	0.	734.	4630.	0.010	4606.	3379009.
15	37	60	0.473	1327.	1.41	1876.	23	0.590	0.210	0.380	0.0	0.380	713.	0.	0.	0.	713.	4582.	0.011	4557.	3247638.
16	38	61	0.448	1258.	1.45	1822.	23	0.590	0.210	0.380	0.0	0.380	692.	0.	0.	0.	692.	4531.	0.012	4503.	3118382.
17	39	62	0.425	1193.	1.48	1770.	23	0.590	0.210	0.380	0.0	0.380	673.	23.	0.	0.	649.	4476.	0.013	4446.	2886885.
18	40	63	0.402	1130.	1.54	1745.	23	0.590	0.210	0.380	0.0	0.380	663.	22.	0.	0.	641.	4416.	0.015	4384.	2810047.
19	41	64	0.381	1071.	1.61	1720.	23	0.590	0.210	0.380	0.0	0.380	654.	21.	0.	0.	633.	4352.	0.016	4317.	2731363.
20	42	65	0.362	1016.	1.67	1696.	23	0.590	0.210	0.380	0.0	0.380	644.	20.	0.	0.	625.	4282.	0.017	4245.	2650831.
21	43	66	0.343	963.	1.74	1672.	23	0.590	0.210	0.380	0.0	0.380	635.	19.	0.	0.	616.	4207.	0.019	4167.	2568236.
22	44	67	0.325	913.	1.81	1648.	23	0.590	0.210	0.380	0.0	0.380	626.	18.	0.	0.	608.	4126.	0.021	4082.	2483406.
23	45	68	0.308	865.	1.88	1625.	23	0.590	0.210	0.380	0.0	0.380	617.	17.	0.	0.	600.	4039.	0.023	3991.	2396127.
24	46	69	0.292	820.	1.95	1602.	23	0.590	0.210	0.380	0.0	0.380	609.	16.	0.	0.	592.	3944.	0.026	3893.	2306260.
25	47	70	0.277	777.	2.03	1579.	23	0.590	0.210	0.380	0.0	0.380	600.	15.	0.	0.	585.	3842.	0.029	3786.	2213761.
26	48	71	0.262	737.	2.11	1556.	23	0.590	0.210	0.380	0.0	0.380	591.	14.	0.	0.	577.	3731.	0.032	3672.	2118448.
27	49	72	0.249	698.	2.20	1534.	23	0.590	0.210	0.380	0.0	0.380	583.	14.	0.	0.	569.	3613.	0.035	3549.	2020273.
28	50	73	0.236	662.	2.29	1512.	23	0.590	0.210	0.380	0.0	0.380	575.	13.	0.	0.	562.	3485.	0.039	3417.	1919212.
29	51	74	0.223	627.	2.38	1491.	23	0.590	0.210	0.380	0.0	0.380	567.	12.	0.	0.	554.	3348.	0.043	3276.	1815393.
30	52	75	0.212	595.	2.47	1470.	23	0.590	0.210	0.380	0.0	0.380	558.	12.	0.	0.	547.	3203.	0.048	3126.	1709086.
31	53	76	0.201	564.	2.57	1449.	23	0.590	0.210	0.380	0.0	0.380	551.	11.	0.	0.	539.	3048.	0.053	2967.	1600623.
32	54	77	0.190	534.	2.67	1428.	23	0.590	0.210	0.380	0.0	0.380	543.	10.	0.	0.	532.	2886.	0.059	2800.	1490410.
33	55	78	0.180	506.	2.78	1408.	23	0.590	0.210	0.380	0.0	0.380	535.	10.	0.	0.	525.	2715.	0.065	2626.	1379020.
34	56	79	0.171	480.	2.89	1388.	23	0.590	0.210	0.380	0.0	0.380	527.	9.	0.	0.	518.	2538.	0.072	2446.	1267035.
35	57	80	0.162	455.	3.01	1368.	23	0.590	0.210	0.380	0.0	0.380	520.	9.	0.	0.	511.	2355.	0.080	2261.	1155203.
36	58	81	0.154	431.	3.13	1349.	23	0.590	0.210	0.380	0.0	0.380	513.	8.	0.	0.	504.	2167.	0.088	2072.	1044469.
37	59	82	0.146	409.	3.25	1330.	23	0.590	0.210	0.380	0.0	0.380	505.	8.	0.	0.	497.	1977.	0.095	1883.	936149.
38	60	83	0.138	387.	3.38	1311.	23	0.590	0.210	0.380	0.0	0.380	498.	8.	0.	0.	490.	1788.	0.104	1695.	831456.
39	61	84	0.131	367.	3.52	1292.	23	0.590	0.210	0.380	0.0	0.380	491.	7.	0.	0.	484.	1602.	0.113	1511.	731145.
40	62	85	0.124	348.	3.66	1274.	23	0.590	0.210	0.380	0.0	0.380	484.	7.	0.	0.	477.	1421.	0.124	1333.	635927.
41	63	86	0.117	330.	3.81	1256.	23	0.590	0.210	0.380	0.0	0.380	477.	6.	0.	0.	471.	1245.	0.138	1159.	545605.
42	64	87	0.111	313.	3.96	1238.	23	0.590	0.210	0.380	0.0	0.380	470.	6.	0.	0.	464.	1074.	0.152	992.	460597.
43	65	88	0.106	296.	4.12	1220.	23	0.590	0.210	0.380	0.0	0.380	464.	6.	0.	0.	458.	911.	0.166	836.	382492.
44	66	89	0.100	281.	4.28	1203.	23	0.590	0.210	0.380	0.0	0.380	457.	6.	0.	0.	452.	760.	0.179	692.	312382.
45	67	90	0.095	266.	4.45	1186.	23	0.590	0.210	0.380	0.0	0.380	451.	5.	0.	0.	445.	624.	0.193	563.	250841.
46	68	91	0.090	252.	4.63	1169.	23	0.590	0.210	0.380	0.0	0.380	444.	5.	0.	0.	439.	503.	0.207	451.	197971.
47	69	92	0.085	239.	4.81	1152.	23	0.590	0.210	0.380	0.0	0.380	438.	5.	0.	0.	433.	399.	0.221	354.	153520.
48	70	93	0.081	227.	5.01	1136.	23	0.590	0.210	0.380	0.0	0.380	432.	4.	0.	0.	427.	310.	0.235	274.	116937.
49	71	94	0.077	215.	5.21	1120.	23	0.590	0.210	0.380	0.0	0.380	425.	4.	0.	0.	421.	237.	0.249	208.	87464.
50	72	95	0.073	204.	5.42	1104.	23	0.590	0.210	0.380	0.0	0.380	419.	4.	0.	0.	415.	178.	0.263	155.	64215.
51	73	96	0.069	193.	5.63	1088.	23	0.590	0.210	0.380	0.0	0.380	413.	4.	0.	0.	410.	131.	0.277	113.	46264.
52	74	97	0.065	183.	5.86	1073.	23	0.590	0.210	0.380	0.0	0.380	408.	4.	0.	0.	404.	95.	0.291	81.	32694.
53	75	98	0.062	174.	6.09	1057.	23	0.590	0.210	0.380	0.0	0.380	402.	3.	0.	0.	398.	67.	0.305	57.	22655.
54	76	99	0.059	165.	6.34	1042.	23	0.590	0.210	0.380	0.0	0.380	396.	3.	0.	0.	393.	47.	0.320	39.	15387.
55	77	100	0.056	156.	6.59	1027.	23	0.590	0.210	0.380	0.0	0.380	390.	3.	0.	0.	387.	32.	0.337	26.	10220.
56	78	101	0.053	148.	6.85	1013.	23	0.590	0.210	0.380	0.0	0.380	385.	3.	0.	0.	382.	21.	0.355	17.	6613.
57	79	102	0.050	140.	7.13	998.	23	0.590	0.210	0.380	0.0	0.380	379.	3.	0.	0.	377.	14.	0.374	11.	4159.
58	80	103	0.047	133.	7.41	984.	23	0.590	0.210	0.380	0.0	0.380	374.	3.	0.	0.	371.	9.	0.394	7.	2537.
59	81	104	0.045	126.	7.71	970.	23	0.590	0.210	0.380	0.0	0.380	369.	2.	0.	0.	366.	5.	0.415	4.	1497.

60	82	105	0.042	119.	8.02	956.	23	0.590	0.210	0.380	0.0	0.380	363.	2.	0.	0.	361.	3.	0.437	2.	851.
61	83	106	0.040	113.	8.34	943.	23	0.590	0.210	0.380	0.0	0.380	358.	2.	0.	0.	356.	2.	0.461	1.	465.
62	84	107	0.038	107.	8.67	929.	23	0.590	0.210	0.380	0.0	0.380	353.	2.	0.	0.	351.	1.	0.485	1.	243.
63	85	108	0.036	102.	9.02	916.	23	0.590	0.210	0.380	0.0	0.380	348.	2.	0.	0.	346.	0.	0.512	0.	121.
64	86	109	0.034	96.	9.38	903.	23	0.590	0.210	0.380	0.0	0.380	343.	2.	0.	0.	341.	0.	0.539	0.	57.
65	87	110	0.032	91.	9.75	890.	23	0.590	0.210	0.380	0.0	0.380	338.	2.	0.	0.	337.	0.	1.000	0.	18.

	TOTAL RETIRED PAY						EXP.	AVG RETIRED PAY		
I	G-1	G-2	G-3	G-4	G-5	G-6	LIFE	G-4	G-5	G-6
20	55371.	70667.	95856.	109673.	121566.	136094.	34.46	3183.	3528.	3950.
21	74150.	94551.	128146.	147889.	166326.	185514.	33.54	4409.	4958.	5531.
22	92310.	117663.	159413.	184723.	210773.	234185.	32.64	5660.	6458.	7176.
23	109825.	139974.	189619.	219717.	254756.	283462.	31.73	6924.	8028.	8933.
24	133559.	170184.	230495.	267058.	314766.	352475.	30.84	8660.	10208.	11430.
25	150751.	192119.	260240.	301538.	359426.	405352.	29.95	10069.	12002.	13536.
26	167172.	213100.	288730.	334581.	400956.	453699.	29.06	11513.	13797.	15612.
27	182813.	233119.	315959.	366180.	438882.	504304.	28.19	12992.	15571.	17893.
28	194727.	248447.	336909.	390539.	468175.	553525.	27.32	14297.	17139.	20264.
29	198783.	253845.	344515.	399483.	479058.	581585.	26.45	15101.	18110.	21985.
30	202343.	258655.	351386.	407604.	488986.	601137.	25.60	15922.	19101.	23482.
31	197114.	252375.	343375.	398544.	478408.	588465.	24.75	16100.	19327.	23773.
32	191882.	246088.	335351.	389467.	467806.	575763.	23.92	16284.	19559.	24073.
33	186523.	239669.	327187.	380244.	457051.	562896.	23.09	16468.	19795.	24379.
34	181139.	233219.	318980.	370972.	446238.	549959.	22.27	16659.	20038.	24696.
35	175607.	226623.	310631.	361561.	435289.	536891.	21.46	16848.	20283.	25018.

ANNUAL COST FACTORS FOR RETIRED PAY

1	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
2	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
3	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
4	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
5	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
6	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
7	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
8	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
9	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
10	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
11	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
12	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
13	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
14	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
15	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
16	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
17	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
18	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
19	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
20	55371.	70667.	95856.	109673.	121566.	136094.	176172.	177756.	177756.	177756.
21	74150.	94551.	128146.	147889.	166326.	185514.	236698.	237377.	237377.	237377.
22	92310.	117663.	159413.	184723.	210773.	234185.	295158.	295158.	295158.	295158.
23	109825.	139974.	189619.	219717.	254756.	283462.	351038.	351038.	351038.	351038.
24	133559.	170184.	230495.	267058.	314766.	352475.	426591.	426591.	426591.	426591.
25	150751.	192119.	260240.	301538.	359426.	405352.	481729.	481729.	481729.	481729.
26	167172.	213100.	288730.	334581.	400956.	453699.	534635.	534635.	534635.	534635.
27	182813.	233119.	315959.	366180.	438882.	504304.	585304.	585304.	585304.	585304.
28	194727.	248447.	336909.	390539.	468175.	553525.	624536.	624536.	624536.	624536.
29	198783.	253845.	344515.	399483.	479058.	581585.	639321.	639321.	639321.	639321.
30	202343.	258655.	351386.	407604.	488986.	601137.	652885.	652885.	652885.	652885.
31	197114.	252375.	343375.	398544.	478408.	588465.	639253.	639253.	639253.	639253.
32	191882.	246088.	335351.	389467.	467806.	575763.	625582.	625582.	625582.	625582.
33	186523.	239669.	327187.	380244.	457051.	562896.	611741.	611741.	611741.	611741.
34	181139.	233219.	318980.	370972.	446238.	549959.	597824.	597824.	597824.	597824.
35	175607.	226623.	310631.	361561.	435289.	536891.	583778.	583778.	583778.	583778.

AVERAGE ANNUAL RETIRED PAY PER RETIREE											ANNUAL RETIRED PAY FOR CURRENT RETIREES										
1	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
15	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	15	0.	0.	0.	0.	0	0.	0.	0.	0.	0.
16	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
17	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
18	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
19	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
20	1607.	2051.	2782.	3183.	3528.	3950.	5113.	5159.	5159.	5159.	20	2211.	2803.	3777.	4312.	4772.	5334.	6885.	6946.	6946.	6946.
21	2211.	2819.	3820.	4409.	4958.	5531.	7056.	7077.	7077.	7077.	21	3095.	3924.	5288.	6090.	6839.	7618.	9697.	9724.	9724.	9724.
22	2828.	3605.	4884.	5660.	6458.	7176.	9044.	9044.	9044.	9044.	22	3980.	5045.	6799.	7863.	8957.	9941.	12503.	12503.	12503.	12503.
23	3461.	4411.	5975.	6924.	8028.	8933.	11062.	11062.	11062.	11062.	23	4864.	6166.	8310.	9610.	11123.	12363.	15281.	15281.	15281.	15281.
24	4331.	5519.	7475.	8660.	10208.	11430.	13834.	13834.	13834.	13834.	24	6486.	8222.	11080.	12813.	15074.	16862.	20374.	20374.	20374.	20374.
25	5034.	6415.	8690.	10069.	12002.	13536.	16086.	16086.	16086.	16086.	25	7444.	9436.	12717.	14706.	17494.	19706.	23384.	23384.	23384.	23384.
26	5752.	7333.	9935.	11513.	13797.	15612.	18396.	18396.	18396.	18396.	26	8402.	10651.	14354.	16599.	19849.	22431.	26394.	26394.	26394.	26394.
27	6486.	8271.	11210.	12992.	15571.	17893.	20766.	20766.	20766.	20766.	27	9360.	11865.	15991.	18492.	22112.	25370.	29404.	29404.	29404.	29404.
28	7229.	9095.	12334.	14297.	17139.	20264.	22863.	22863.	22863.	22863.	28	10171.	12893.	17376.	20093.	24027.	28352.	31951.	31951.	31951.	31951.
29	7914.	9596.	13023.	15101.	18110.	21985.	24168.	24168.	24168.	24168.	29	10613.	13453.	18131.	20967.	25072.	30361.	33340.	33340.	33340.	33340.
30	7904.	10104.	13726.	15922.	19101.	23482.	25504.	25504.	25504.	25504.	30	11055.	14014.	18887.	21840.	26117.	32010.	34729.	34729.	34729.	34729.
31	7963.	10196.	13872.	16100.	19327.	23773.	25825.	25825.	25825.	25825.	31	11055.	14014.	18887.	21840.	26117.	32010.	34729.	34729.	34729.	34729.
32	8023.	10289.	14021.	16284.	19559.	24073.	26156.	26156.	26156.	26156.	32	11055.	14014.	18887.	21840.	26117.	32010.	34729.	34729.	34729.	34729.
33	8078.	10380.	14170.	16468.	19795.	24379.	26495.	26495.	26495.	26495.	33	11055.	14014.	18887.	21840.	26117.	32010.	34729.	34729.	34729.	34729.
34	8134.	10473.	14324.	16659.	20038.	24696.	26845.	26845.	26845.	26845.	34	11055.	14014.	18887.	21840.	26117.	32010.	34729.	34729.	34729.	34729.
35	8183.	10560.	14475.	16848.	20283.	25018.	27203.	27203.	27203.	27203.	35	11055.	14014.	18887.	21840.	26117.	32010.	34729.	34729.	34729.	34729.

EXAMPLE FOR GRADE G- 3 AND 21 YOS, BP=1917. RETIREMENT OPTION=NDIS PAY AVG OPTION=HI- 3

K	SV	AG	WGF	RPB	RPGF	CRPB	RY	BM	DECR1	FM	DECR2	CM	CA	SS	SBP	MISC	NA	POP	DR	MY	COST
1	21	41	1.000	1710.	1.00	1710.	21	0.530	0.270	0.260	0.050	0.210	359.	0.	0.	0.	359.	5000.	0.002	4994.	1793178.
2	22	42	0.948	1621.	1.02	1661.	21	0.530	0.270	0.260	0.050	0.210	349.	0.	0.	0.	349.	4989.	0.002	4983.	1738092.
3	23	43	0.898	1536.	1.05	1614.	21	0.530	0.270	0.260	0.050	0.210	339.	0.	0.	0.	339.	4977.	0.003	4970.	1684446.
4	24	44	0.852	1456.	1.08	1568.	21	0.530	0.270	0.260	0.050	0.210	329.	0.	0.	0.	329.	4964.	0.003	4957.	1632131.
5	25	45	0.807	1380.	1.10	1523.	21	0.530	0.270	0.260	0.050	0.210	320.	0.	0.	0.	320.	4950.	0.003	4942.	1581121.
6	26	46	0.765	1308.	1.13	1480.	21	0.530	0.270	0.260	0.050	0.210	311.	0.	0.	0.	311.	4935.	0.003	4927.	1531322.
7	27	47	0.725	1240.	1.16	1438.	21	0.530	0.270	0.260	0.050	0.210	302.	0.	0.	0.	302.	4919.	0.004	4910.	1482645.
8	28	48	0.687	1175.	1.19	1397.	21	0.530	0.270	0.260	0.050	0.210	293.	0.	0.	0.	293.	4901.	0.004	4891.	1435083.
9	29	49	0.652	1114.	1.22	1357.	21	0.530	0.270	0.260	0.050	0.210	285.	0.	0.	0.	285.	4882.	0.004	4871.	1388562.
10	30	50	0.618	1056.	1.25	1319.	21	0.530	0.270	0.260	0.050	0.210	277.	0.	0.	0.	277.	4861.	0.005	4849.	1343005.
11	31	51	0.585	1001.	1.28	1281.	21	0.530	0.270	0.260	0.050	0.210	269.	0.	0.	0.	269.	4838.	0.005	4826.	1298423.
12	32	52	0.555	949.	1.31	1245.	21	0.530	0.270	0.260	0.050	0.210	261.	0.	0.	0.	261.	4813.	0.006	4800.	1254752.
13	33	53	0.526	899.	1.34	1209.	21	0.530	0.270	0.260	0.050	0.210	254.	0.	0.	0.	254.	4786.	0.006	4772.	1211941.
14	34	54	0.499	852.	1.38	1175.	21	0.530	0.270	0.260	0.050	0.210	247.	0.	0.	0.	247.	4757.	0.007	4741.	1169944.
15	35	55	0.473	808.	1.41	1142.	21	0.530	0.270	0.260	0.050	0.210	240.	0.	0.	0.	240.	4725.	0.007	4708.	1128718.
16	36	56	0.448	766.	1.45	1109.	21	0.530	0.270	0.260	0.050	0.210	233.	0.	0.	0.	233.	4691.	0.008	4672.	1088289.
17	37	57	0.425	726.	1.48	1078.	21	0.530	0.270	0.260	0.050	0.210	226.	0.	0.	0.	226.	4654.	0.009	4633.	1048569.
18	38	58	0.402	688.	1.52	1047.	21	0.530	0.270	0.260	0.0	0.260	272.	0.	0.	0.	272.	4613.	0.009	4591.	124[illegible]8.
19	39	59	0.381	652.	1.56	1017.	21	0.530	0.270	0.260	0.0	0.260	264.	0.	0.	0.	264.	4570.	0.010	4546.	1202697.
20	40	60	0.362	618.	1.60	988.	21	0.530	0.270	0.260	0.0	0.260	257.	0.	0.	0.	257.	4523.	0.011	4497.	1155650.
21	41	61	0.343	586.	1.64	960.	21	0.530	0.270	0.260	0.0	0.260	250.	0.	0.	0.	250.	4472.	0.012	4445.	1109655.
22	42	62	0.325	555.	1.68	933.	21	0.530	0.270	0.260	0.0	0.260	243.	0.	0.	0.	243.	4417.	0.013	4388.	1064359.
23	43	63	0.308	526.	1.75	920.	21	0.530	0.270	0.260	0.0	0.260	239.	0.	0.	0.	239.	4359.	0.015	4327.	1034594.
24	44	64	0.292	499.	1.82	907.	21	0.530	0.270	0.260	0.0	0.260	236.	0.	0.	0.	236.	4295.	0.016	4261.	1004286.
25	45	65	0.277	473.	1.89	894.	21	0.530	0.270	0.260	0.0	0.260	232.	0.	0.	0.	232.	4226.	0.017	4189.	973431.
26	46	66	0.262	448.	1.96	881.	21	0.530	0.270	0.260	0.0	0.260	229.	0.	0.	0.	229.	4152.	0.019	4112.	941941.
27	47	67	0.249	425.	2.04	868.	21	0.530	0.270	0.260	0.0	0.260	226.	0.	0.	0.	226.	4072.	0.021	4029.	909756.
28	48	68	0.236	403.	2.13	856.	21	0.530	0.270	0.260	0.0	0.260	223.	0.	0.	0.	223.	3986.	0.023	3939.	876788.
29	49	69	0.223	382.	2.21	844.	21	0.530	0.270	0.260	0.0	0.260	219.	0.	0.	0.	219.	3892.	0.026	3842.	842987.
30	50	70	0.212	362.	2.30	832.	21	0.530	0.270	0.260	0.0	0.260	216.	0.	0.	0.	216.	3791.	0.029	3737.	808331.
31	51	71	0.201	343.	2.39	820.	21	0.530	0.270	0.260	0.0	0.260	213.	0.	0.	0.	213.	3683.	0.032	3624.	772752.
32	52	72	0.190	325.	2.49	808.	21	0.530	0.270	0.260	0.0	0.260	210.	0.	0.	0.	210.	3566.	0.035	3503.	736230.
33	53	73	0.180	308.	2.59	797.	21	0.530	0.270	0.260	0.0	0.260	207.	0.	0.	0.	207.	3440.	0.039	3372.	698754.
34	54	74	0.171	292.	2.69	786.	21	0.530	0.270	0.260	0.0	0.260	204.	0.	0.	0.	204.	3305.	0.043	3233.	660366.
35	55	75	0.162	277.	2.80	774.	21	0.530	0.270	0.260	0.0	0.260	201.	0.	0.	0.	201.	3161.	0.048	3085.	621165.
36	56	76	0.154	262.	2.91	763.	21	0.530	0.270	0.260	0.0	0.260	198.	0.	0.	0.	198.	3009.	0.053	2928.	581266.
37	57	77	0.146	249.	3.02	753.	21	0.530	0.270	0.260	0.0	0.260	196.	0.	0.	0.	196.	2848.	0.059	2764.	540816.
38	58	78	0.138	236.	3.15	742.	21	0.530	0.270	0.260	0.0	0.260	193.	0.	0.	0.	193.	2680.	0.065	2592.	500017.
39	59	79	0.131	224.	3.27	731.	21	0.530	0.270	0.260	0.0	0.260	190.	0.	0.	0.	190.	2505.	0.072	2414.	459078.
40	60	80	0.124	212.	3.40	721.	21	0.530	0.270	0.260	0.0	0.260	187.	0.	0.	0.	187.	2324.	0.080	2231.	418265.
41	61	81	0.117	201.	3.54	711.	21	0.530	0.270	0.260	0.0	0.260	185.	0.	0.	0.	185.	2139.	0.088	2045.	377917.
42	62	82	0.111	190.	3.68	701.	21	0.530	0.270	0.260	0.0	0.260	182.	0.	0.	0.	182.	1952.	0.095	1858.	338505.
43	63	83	0.106	180.	3.83	691.	21	0.530	0.270	0.260	0.0	0.260	180.	0.	0.	0.	180.	1765.	0.104	1673.	300462.
44	64	84	0.100	171.	3.98	681.	21	0.530	0.270	0.260	0.0	0.260	177.	0.	0.	0.	177.	1581.	0.113	1492.	264055.
45	65	85	0.095	162.	4.14	671.	21	0.530	0.270	0.260	0.0	0.260	174.	0.	0.	0.	174.	1402.	0.124	1315.	229535.
46	66	86	0.090	154.	4.31	662.	21	0.530	0.270	0.260	0.0	0.260	172.	0.	0.	0.	172.	1229.	0.138	1144.	196825.
47	67	87	0.085	146.	4.48	652.	21	0.530	0.270	0.260	0.0	0.260	170.	0.	0.	0.	170.	1060.	0.152	979.	166071.
48	68	88	0.081	138.	4.66	643.	21	0.530	0.270	0.260	0.0	0.260	167.	0.	0.	0.	167.	899.	0.166	825.	137849.
49	69	89	0.077	131.	4.84	634.	21	0.530	0.270	0.260	0.0	0.260	165.	0.	0.	0.	165.	750.	0.179	683.	112519.
50	70	90	0.073	124.	5.04	625.	21	0.530	0.270	0.260	0.0	0.260	162.	0.	0.	0.	162.	616.	0.193	556.	90309.
51	71	91	0.069	118.	5.24	616.	21	0.530	0.270	0.260	0.0	0.260	160.	0.	0.	0.	160.	496.	0.207	445.	71243.
52	72	92	0.065	111.	5.45	607.	21	0.530	0.270	0.260	0.0	0.260	158.	0.	0.	0.	158.	393.	0.221	350.	55222.
53	73	93	0.062	106.	5.67	598.	21	0.530	0.270	0.260	0.0	0.260	156.	0.	0.	0.	156.	306.	0.235	270.	42046.
54	74	94	0.059	100.	5.89	590.	21	0.530	0.270	0.260	0.0	0.260	153.	0.	0.	0.	153.	234.	0.249	205.	31436.
55	75	95	0.056	95.	6.13	582.	21	0.530	0.270	0.260	0.0	0.260	151.	0.	0.	0.	151.	176.	0.263	153.	23071.
56	76	96	0.053	90.	6.37	573.	21	0.530	0.270	0.260	0.0	0.260	149.	0.	0.	0.	149.	129.	0.277	111.	16615.
57	77	97	0.050	85.	6.63	565.	21	0.530	0.270	0.260	0.0	0.260	147.	0.	0.	0.	147.	94.	0.291	80.	11738.
58	78	98	0.047	81.	6.89	557.	21	0.530	0.270	0.260	0.0	0.260	145.	0.	0.	0.	145.	66.	0.305	56.	8131.
59	79	99	0.045	77.	7.17	549.	21	0.530	0.270	0.260	0.0	0.260	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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60	80	100	0.042	73.	7.46	541.	21	0.530	0.270	0.260	0.0	0.260	141.	0.	0.	0.	141.	31.	0.337	26.	3666.
61	81	101	0.040	69.	7.75	534.	21	0.530	0.270	0.260	0.0	0.260	139.	0.	0.	0.	139.	21.	0.355	17.	2371.
62	82	102	0.038	65.	8.06	526.	21	0.530	0.270	0.260	0.0	0.260	137.	0.	0.	0.	137.	12.	0.374	11.	1491.
63	83	103	0.036	62.	8.39	519.	21	0.530	0.270	0.260	0.0	0.260	135.	0.	0.	0.	135.	8.	0.394	7.	909.
64	84	104	0.034	59.	8.72	511.	21	0.530	0.270	0.260	0.0	0.260	133.	0.	0.	0.	133.	5.	0.415	4.	536.
65	85	105	0.032	56.	9.07	504.	21	0.530	0.270	0.260	0.0	0.260	131.	0.	0.	0.	131.	3.	0.437	2.	305.
66	86	106	0.031	53.	9.43	497.	21	0.530	0.270	0.260	0.0	0.260	129.	0.	0.	0.	129.	2.	0.461	1.	167.
67	87	107	0.029	50.	9.81	490.	21	0.530	0.270	0.260	0.0	0.260	127.	0.	0.	0.	127.	1.	0.485	1.	87.
68	88	108	0.028	47.	10.20	483.	21	0.530	0.270	0.260	0.0	0.260	126.	0.	0.	0.	126.	0.	0.512	0.	43.
69	89	109	0.026	45.	10.61	476.	21	0.530	0.270	0.260	0.0	0.260	124.	0.	0.	0.	124.	0.	0.539	0.	21.
70	90	110	0.025	43.	11.04	469.	21	0.530	0.270	0.260	0.0	0.260	122.	0.	0.	0.	122.	0.	1.000	0.	6.

	TOTAL RETIRED PAY						EXP.	AVG RETIRED PAY		
I	G-1	G-2	G-3	G-4	G-5	G-6	LIFE	G-4	G-5	G-6
20	66720.	72271.	80039.	91744.	0.	0.	37.21	2466.	0.	0.
21	91024.	98455.	109107.	124757.	20.	20.	36.29	3438.	1.	1.
22	115492.	124710.	138484.	157926.	49.	49.	35.37	4465.	1.	1.
23	139278.	151302.	168255.	191417.	72.	72.	34.46	5556.	2.	2.
24	172000.	189294.	210426.	238967.	88.	88.	33.54	7124.	3.	3.
25	194542.	216849.	240751.	273175.	100.	100.	32.64	8370.	3.	3.
26	216285.	242533.	269107.	305229.	111.	111.	31.73	9619.	3.	3.
27	237230.	266020.	297048.	339481.	122.	122.	30.84	11009.	4.	4.
28	253682.	284469.	321462.	372542.	130.	130.	29.95	12440.	4.	4.
29	260378.	291978.	333657.	391634.	134.	134.	29.06	13476.	5.	5.
30	266673.	299036.	343524.	405596.	137.	137.	28.19	14390.	5.	5.
31	262073.	293878.	337598.	398599.	135.	135.	27.32	14592.	5.	5.
32	257422.	288663.	331607.	391525.	132.	132.	26.45	14801.	5.	5.
33	252341.	283414.	325577.	384406.	130.	130.	25.60	15016.	5.	5.
34	248024.	278124.	319500.	377231.	127.	127.	24.75	15239.	5.	5.
35	243289.	272815.	313402.	370031.	125.	125.	23.92	15471.	5.	5.

ANNUAL COST FACTORS FOR RETIRED PAY

1	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
2	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
3	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
4	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
5	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
6	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
7	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
8	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
9	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
10	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
11	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
12	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
13	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
14	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
15	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
16	56720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
17	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
18	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
19	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
20	66720.	72271.	80039.	91744.	0.	0.	0.	0.	0.	0.
21	91024.	98455.	109107.	124757.	20.	20.	20.	20.	20.	20.
22	115492.	124710.	138484.	157926.	49.	49.	49.	49.	49.	49.
23	139278.	151302.	168255.	191417.	72.	72.	72.	72.	72.	72.
24	172000.	189294.	210426.	238967.	88.	88.	88.	88.	88.	88.
25	194542.	216849.	240751.	273175.	100.	100.	100.	100.	100.	100.
26	216285.	242533.	269107.	305229.	111.	111.	111.	111.	111.	111.
27	237230.	266020.	297048.	339481.	122.	122.	122.	122.	122.	122.
28	253682.	284469.	321462.	372542.	130.	130.	130.	130.	130.	130.
29	260378.	291978.	333657.	391634.	134.	134.	134.	134.	134.	134.
30	266673.	299036.	343524.	405596.	137.	137.	137.	137.	137.	137.
31	262073.	293878.	337598.	398599.	135.	135.	135.	135.	135.	135.
32	257422.	288663.	331607.	391525.	132.	132.	132.	132.	132.	132.
33	252741.	283414.	325577.	384406.	130.	130.	130.	130.	130.	130.
34	248024.	278124.	319500.	377231.	127.	127.	127.	127.	127.	127.
35	243289.	272815.	313402.	370031.	125.	125.	125.	125.	125.	125.

AVERAGE ANNUAL RETIRED PAY PER RETIREE									ANNUAL RETIRED PAY FOR CURRENT RETIREES											
1	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	1	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	2	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	3	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	4	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	5	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	6	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	7	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	8	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	9	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	10	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	11	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	1793.	1942.	2151.	2466.	0.	0.	0.	0	0.	0.	12	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	13	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	14	0.	0.	0.	0.	0.	0.	0.	0.	0.
15	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	15	0.	0.	0.	0.	0.	0.	0.	0.	0.
16	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	16	0.	0.	0.	0.	0.	0.	0.	0.	0.
17	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	17	0.	0.	0.	0.	0.	0.	0.	0.	0.
18	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	18	0.	0.	0.	0.	0.	0.	0.	0.	0.
19	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	19	0.	0.	0.	0.	0.	0.	0.	0.	0.
20	1793.	1942.	2151.	2466.	0.	0.	0.	0.	0.	0.	20	2523.	2733.	3026.	3469.	0.	0.	0.	0.	0.
21	2508.	2713.	3007.	3438.	1.	1.	1.	1.	1.	1.	21	3594.	3888.	4309.	4927.	1.	1.	1.	1.	1.
22	3265.	3526.	3915.	4465.	1.	1.	1.	1.	1.	1.	22	4702.	5077.	5638.	6430.	2.	2.	2.	2.	2.
23	4042.	4391.	4883.	5556.	2.	2.	2.	2.	2.	2.	23	5812.	6314.	7022.	7988.	3.	3.	3.	3.	3.
24	5128.	5643.	6273.	7124.	3.	3.	3.	3.	3.	3.	24	7791.	8575.	9532.	10825.	4.	4.	4.	4.	4.
25	5961.	6644.	7377.	8370.	3.	3.	3.	3.	3.	3.	25	8942.	9968.	11066.	12557.	5.	5.	5.	5.	5.
26	6816.	7643.	8480.	9619.	3.	3.	3.	3.	3.	3.	2610093.	11318.	12558.	14244.	5.	5.	5.	5.	5.	5.
27	7693.	8627.	9633.	11009.	4.	4.	4.	4.	4.	4.	2711244.	12609.	14079.	16091.	6.	6.	6.	6.	6.	6.
28	8471.	9499.	10735.	12440.	4.	4.	4.	4.	4.	4.	2812218.	13701.	15482.	17943.	6.	6.	6.	6.	6.	6.
29	8959.	10047.	11481.	13476.	5.	5.	5.	5.	5.	5.	2912749.	14296.	16337.	19176.	7.	7.	7.	7.	7.	7.
30	9462.	10610.	12188.	14390.	5.	5.	5.	5.	5.	5.	3013280.	14892.	17108.	20199.	7.	7.	7.	7.	7.	7.
31	9594.	10759.	12359.	14592.	5.	5.	5.	5.	5.	5.	3113280.	14892.	17108.	20199.	7.	7.	7.	7.	7.	7.
32	9731.	10912.	12536.	14801.	5.	5.	5.	5.	5.	5.	3213280.	14892.	17108.	20199.	7.	7.	7.	7.	7.	7.
33	9873.	11071.	12718.	15016.	5.	5.	5.	5.	5.	5.	3313280.	14892.	17108.	20199.	7.	7.	7.	7.	7.	7.
34	10020.	11236.	12907.	15239.	5.	5.	5.	5.	5.	5.	3413280.	14892.	17108.	20199.	7.	7.	7.	7.	7.	7.
35	10172.	11407.	13104.	15471.	5.	5.	5.	5.	5.	5.	3513280.	14892.	17108.	20199.	7.	7.	7.	7.	7.	7.

EXAMPLE FOR GRADE G- 7 AND 25 YOS, BP=1522. RETIREMENT OPTION=NDIS PAY AVG OPTION=HI- 3

K	SV	AG	WGF	RPB	RPGF	CRPB	RY	BM	DECR1	FM	DECR2	CM	CA	SS	SBP	MISC	NA	POP	DR	MY	COST
1	25	44	1.000	1393.	1.00	1393.	25	0.655	0.150	0.505	0.0	0.505	703.	0.	0.	0.	703.	5000.	0.004	4991.	3510979.
2	26	45	0.948	1320.	1.02	1353.	25	0.655	0.150	0.505	0.0	0.505	683.	0.	0.	0.	683.	4982.	0.004	4972.	3398008.
3	27	46	0.898	1252.	1.05	1315.	25	0.655	0.150	0.505	0.0	0.505	664.	0.	0.	0.	664.	4962.	0.005	4950.	3287023.
4	28	47	0.852	1186.	1.08	1278.	25	0.655	0.150	0.505	0.0	0.505	645.	0.	0.	0.	645.	4939.	0.005	4926.	3178068.
5	29	48	0.807	1124.	1.10	1241.	25	0.655	0.150	0.505	0.0	0.505	627.	0.	0.	0.	627.	4914.	0.006	4900.	3071027.
6	30	49	0.765	1066.	1.13	1206.	25	0.655	0.150	0.505	0.0	0.505	609.	0.	0.	0.	609.	4886.	0.006	4870.	2965801.
7	31	50	0.725	1010.	1.16	1172.	25	0.655	0.150	0.505	0.0	0.505	592.	0.	0.	0.	592.	4855.	0.007	4838.	2862160.
8	32	51	0.687	958.	1.19	1138.	25	0.655	0.150	0.505	0.0	0.505	575.	0.	0.	0.	575.	4820.	0.008	4801.	2759643.
9	33	52	0.652	908.	1.22	1106.	25	0.655	0.150	0.505	0.0	0.505	558.	0.	0.	0.	558.	4781.	0.009	4759.	2657984.
10	34	53	0.618	860.	1.25	1074.	25	0.655	0.150	0.505	0.0	0.505	543.	0.	0.	0.	543.	4737.	0.010	4713.	2557101.
11	35	54	0.585	816.	1.28	1044.	25	0.655	0.150	0.505	0.0	0.505	527.	0.	0.	0.	527.	4688.	0.011	4661.	2457317.
12	36	55	0.555	773.	1.31	1014.	25	0.655	0.150	0.505	0.0	0.505	512.	0.	0.	0.	512.	4635.	0.012	4606.	2359153.
13	37	56	0.526	733.	1.34	985.	25	0.655	0.150	0.505	0.0	0.505	498.	0.	0.	0.	498.	4578.	0.013	4547.	2262851.
14	38	57	0.499	695.	1.38	957.	25	0.655	0.150	0.505	0.0	0.505	483.	0.	0.	0.	483.	4517.	0.014	4485.	2168501.
15	39	58	0.473	658.	1.41	930.	25	0.655	0.150	0.505	0.0	0.505	470.	0.	0.	0.	470.	4453.	0.015	4420.	2076084.
16	40	59	0.448	624.	1.45	904.	25	0.655	0.150	0.505	0.0	0.505	456.	0.	0.	0.	456.	4386.	0.016	4350.	1985388.
17	41	60	0.425	591.	1.48	878.	25	0.655	0.150	0.505	0.0	0.505	443.	0.	0.	0.	443.	4315.	0.018	4276.	1896152.
18	42	61	0.402	561.	1.52	853.	25	0.655	0.150	0.505	0.0	0.505	431.	0.	0.	0.	431.	4238.	0.019	4197.	1808165.
19	43	62	0.381	531.	1.56	829.	25	0.655	0.150	0.505	0.0	0.505	419.	20.	0.	0.	398.	4157.	0.021	4113.	1638488.
20	44	63	0.362	504.	1.62	817.	25	0.655	0.150	0.505	0.0	0.505	413.	19.	0.	0.	394.	4069.	0.023	4022.	1582503.
21	45	64	0.343	477.	1.69	805.	25	0.655	0.150	0.505	0.0	0.505	407.	18.	0.	0.	389.	3974.	0.025	3924.	1525110.
22	46	65	0.325	453.	1.75	794.	25	0.655	0.150	0.505	0.0	0.505	401.	17.	0.	0.	384.	3874.	0.027	3821.	1466528.
23	47	66	0.308	429.	1.82	783.	25	0.655	0.150	0.505	0.0	0.505	395.	16.	0.	0.	379.	3768.	0.030	3712.	1406911.
24	48	67	0.292	407.	1.90	772.	25	0.655	0.150	0.505	0.0	0.505	390.	15.	0.	0.	374.	3657.	0.032	3598.	1346297.
25	49	68	0.277	385.	1.97	761.	25	0.655	0.150	0.505	0.0	0.505	384.	15.	0.	0.	369.	3539.	0.035	3477.	1284560.
26	50	69	0.262	365.	2.05	750.	25	0.655	0.150	0.505	0.0	0.505	379.	14.	0.	0.	365.	3415.	0.038	3349.	1221588.
27	51	70	0.249	346.	2.13	739.	25	0.655	0.150	0.505	0.0	0.505	373.	13.	0.	0.	360.	3283.	0.043	3213.	1157183.
28	52	71	0.236	328.	2.22	729.	25	0.655	0.150	0.505	0.0	0.505	368.	12.	0.	0.	355.	3144.	0.047	3070.	1091377.
29	53	72	0.223	311.	2.31	718.	25	0.655	0.150	0.505	0.0	0.505	363.	12.	0.	0.	351.	2996.	0.051	2919.	1024473.
30	54	73	0.212	295.	2.40	708.	25	0.655	0.150	0.505	0.0	0.505	358.	11.	0.	0.	346.	2842.	0.056	2763.	956972.
31	55	74	0.201	280.	2.50	698.	25	0.655	0.150	0.505	0.0	0.505	352.	11.	0.	0	342.	2683.	0.061	2602.	889486.
32	56	75	0.190	265.	2.60	688.	25	0.655	0.150	0.505	0.0	0.505	347.	10.	0.	0.	337.	2520.	0.065	2438.	822599.
33	57	76	0.180	251.	2.70	678.	25	0.655	0.150	0.505	0.0	0.505	343.	10.	0.	0.	333.	2356.	0.070	2273.	756895.
34	58	77	0.171	238.	2.81	669.	25	0.655	0.150	0.505	0.0	0.505	338.	9.	0.	0.	329.	2190.	0.075	2109.	692901.
35	59	78	0.162	226.	2.92	659.	25	0.655	0.150	0.505	0.0	0.505	333.	9.	0.	0.	324.	2027.	0.080	1946.	630981.
36	60	79	0.154	214.	3.04	650.	25	0.655	0.150	0.505	0.0	0.505	328.	8.	0.	0.	320.	1865.	0.085	1785.	571343.
37	61	80	0.146	203.	3.16	640.	25	0.655	0.150	0.505	0.0	0.505	323.	8.	0.	0.	316.	1706.	0.091	1628.	514120.
38	62	81	0.138	192.	3.29	631.	25	0.655	0.150	0.505	0.0	0.505	319.	7.	0.	0.	312.	1550.	0.098	1475.	459402.
39	63	82	0.131	182.	3.42	622.	25	0.655	0.150	0.505	0.0	0.505	314.	7.	0.	0.	307.	1399.	0.104	1326.	407633.
40	64	83	0.124	173.	3.55	614.	25	0.655	0.150	0.505	0.0	0.505	310.	7.	0.	0.	303.	1253.	0.110	1185.	359259.
41	65	84	0.117	164.	3.70	605.	25	0.655	0.150	0.505	0.0	0.505	305.	6.	0.	0.	299.	1116.	0.117	1051.	314355.
42	66	85	0.111	155.	3.84	596.	25	0.655	0.150	0.505	0.0	0.505	301.	6.	0.	0.	295.	985.	0.124	925.	272953.
43	67	86	0.106	147.	4.00	588.	25	0.655	0.150	0.505	0.0	0.505	297.	6.	0.	0.	291.	861.	0.138	804.	234234.
44	68	87	0.100	139.	4.16	579.	25	0.655	0.150	0.505	0.0	0.505	293.	5.	0.	0.	287.	745.	0.152	688.	197180.
45	69	88	0.095	132.	4.32	571.	25	0.655	0.150	0.505	0.0	0.505	288.	5.	0.	0.	283.	632.	0.166	580.	164274.
46	70	89	0.090	125.	4.50	563.	25	0.655	0.150	0.505	0.0	0.505	284.	5.	0.	0.	280.	527.	0.179	480.	134189.
47	71	90	0.085	119.	4.68	555.	25	0.655	0.150	0.505	0.0	0.505	280.	4.	0.	0.	276.	433.	0.193	391.	107772.
48	72	91	0.081	112.	4.86	547.	25	0.655	0.150	0.505	0.0	0.505	276.	4.	0.	0.	272.	349.	0.207	313.	85072.
49	73	92	0.077	107.	5.06	539.	25	0.655	0.150	0.505	0.0	0.505	272.	4.	0.	0.	268.	277.	0.221	246.	65982.
50	74	93	0.073	101.	5.26	532.	25	0.655	0.150	0.505	0.0	0.505	269.	4.	0.	0.	265.	215.	0.235	190.	50267.
51	75	94	0.069	96.	5.47	524.	25	0.655	0.150	0.505	0.0	0.505	265.	4.	0.	0.	261.	165.	0.249	144.	37603.
52	76	95	0.065	91.	5.69	517.	25	0.655	0.150	0.505	0.0	0.505	261.	3.	0.	0.	257.	124.	0.263	107.	27612.
53	77	96	0.062	86.	5.92	509.	25	0.655	0.150	0.505	0.0	0.505	257.	3.	0.	0.	254.	91.	0.277	78.	19896.
54	78	97	0.059	82.	6.15	502.	25	0.655	0.150	0.505	0.0	0.505	254.	3.	0.	0.	250.	66.	0.291	56.	14062.
55	79	98	0.056	77.	6.40	495.	25	0.655	0.150	0.505	0.0	0.505	250.	3.	0.	0.	247.	47.	0.305	39.	9746.
56	80	99	0.053	73.	6.66	488.	25	0.655	0.150	0.505	0.0	0.505	246.	3.	0.	0.	244.	32.	0.320	27.	6620.
57	81	100	0.050	69.	6.92	481.	25	0.655	0.150	0.505	0.0	0.505	243.	3.	0.	0.	240.	22.	0.337	18.	4398.
58	82	101	0.047	66.	7.20	474.	25	0.655	0.150	0.505	0.0	0.505	239.	2.	0.	0.	237.	15.	0.355	12.	2846.
59	83	102	0.045	62.	7.49	467.	25	0.655	0.150	0.505	0.0	0.505	236.	2.	0.	0.	234.	9.	0.374	8.	1790.

60	84	103	0.042	59.	7.79	461.	25	0.655	0.150	0.505	0.0	0.505	233.	2.	0.	0.	230.	6.	0.394	5.	1092.
61	85	104	0.040	56.	8.10	454.	25	0.655	0.150	0.505	0.0	0.505	229.	2.	0.	0.	227.	4.	0.415	3.	644.
62	86	105	0.038	53.	8.42	448.	25	0.655	0.150	0.505	0.0	0.505	226.	2.	0.	0.	224.	2.	0.437	2.	366.
63	87	106	0.036	50.	8.76	441.	25	0.655	0.150	0.505	0.0	0.505	223.	2.	0.	0.	221.	1.	0.461	1.	200.
64	88	107	0.034	48	9.11	435.	25	0.655	0.150	0.505	0.0	0.505	220.	2.	0.	0.	218.	1.	0.485	0.	105.
65	89	108	0.032	45.	9.47	429.	25	0.655	0.150	0.505	0.0	0.505	217.	2.	0.	0.	215.	0.	0.512	0.	52.
66	90	109	0.031	43.	9.85	423.	25	0.655	0.150	0.505	0.0	0.505	214.	2.	0.	0.	212.	0.	0.539	0.	25.
67	91	110	0.029	41.	10.25	417.	25	0.655	0.150	0.505	0.0	0.505	210.	2.	0.	0.	209.	0.	1.000	0.	8.

	TOTAL RETIRED PAY						EXP.	AVG RETIRED PAY		
I	G-1	G-2	G-3	G-4	G-5	G-6	LIFE	G-4	G-5	G-6
20	21709.	24455.	29160.	34148.	42608.	49989.	34.77	982.	1225.	1438.
21	29309.	32997.	39314.	46012.	57373.	67618.	33.86	1359.	1594.	1997.
22	36631.	41230.	49108.	57461.	71630.	84602.	32.95	1744.	2174.	2568.
23	43665.	49143.	58529.	68479.	85358.	100813.	32.04	2137.	2664.	3146.
24	54029.	60796.	72388.	84678.	105526.	124613.	31.14	2720.	3389.	4002.
25	60876.	68510.	81586.	95450.	118967.	140498.	30.24	3157.	3935.	4647.
26	67384.	75848.	90348.	105720.	131797.	155672.	29.34	3603.	4492.	5305.
27	73535.	82795.	98657.	115474.	144000.	170118.	28.46	4057.	5059.	5977.
28	78149.	88025.	104943.	122879.	153304.	181161.	27.59	4454.	5556.	6566.
29	79552.	89663.	106981.	125343.	156490.	185007.	26.73	4689.	5855.	6921.
30	80738.	91066.	108757.	127514.	159330.	188460.	25.88	4927.	6157.	7282.
31	78341.	88464.	105804.	124189.	155374.	183927.	25.04	4959.	6205.	7345.
32	75923.	85842.	102834.	120848.	151405.	179382.	24.22	4990.	6252.	7407.
33	73422.	83139.	99786.	117434.	147371.	174781.	23.41	5016.	6295.	7466.
34	70987.	80506.	96813.	114102.	143429.	170280.	22.62	5044.	6340.	7527.
35	68495.	77820.	93795.	110731.	139460.	165764.	21.86	5067.	6381.	7585.

ANNUAL COST FACTORS FOR RETIRED PAY

1	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
2	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
3	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
4	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
5	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
6	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
7	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
8	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
9	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
10	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
11	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
12	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
13	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
14	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
15	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
16	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
17	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
18	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
19	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
20	21709.	24455.	29160.	34148.	42608.	49989.	56122.	63139.	72564.	0.
21	29309.	32997.	39314.	46012.	57373.	67618.	76395.	85967.	98652.	-1070.
22	36631.	41230.	49108.	57461.	71630.	84602.	96190.	108575.	124348.	-1230.
23	43665.	49143.	58529.	68479.	85358.	100813.	116517.	131803.	150528.	-1426.
24	54029.	60796.	72388.	84678.	105526.	124613.	147604.	166781.	189924.	-1663.
25	60876.	68510.	81586.	95450.	118967.	140498.	169971.	191582.	217767.	-1946.
26	67384.	75848.	90348.	105720.	131797.	155672.	190212.	214163.	243238.	-2276.
27	73535.	82795.	98657.	115474.	144000.	170118.	212530.	238869.	270623.	-2670.
28	78149.	88025.	104943.	122879.	153304.	181161.	236058.	264118.	297880.	-3128.
29	79552.	89663.	106981.	125343.	156490.	185007.	250478.	279277.	313737.	-3653.
30	80738.	91066.	108757.	127514.	159330.	188460.	259827.	289282.	324433.	-4256.
31	78341.	88464.	105804.	124189.	155374.	183927.	253879.	282749.	317203.	-4967.
32	75923.	85842.	102834.	120848.	151405.	179382.	247925.	276214.	309973.	-5707.
33	73422.	83139.	99786.	117434.	147371.	174781.	241932.	269647.	302722.	-6552.
34	70987.	80506.	96813.	114102.	143429.	170280.	236063.	263213.	295614.	-7357.
35	68495.	77820.	93795.	110731.	139460.	165764.	230206.	256802.	288542.	-8252.

AVERAGE ANNUAL RETIRED PAY PER RETIREE									
1	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
2	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
3	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
4	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
5	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
6	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
7	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
8	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
9	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
10	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
11	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
12	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
13	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
14	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
15	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
16	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
17	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
18	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
19	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
20	624.	703.	839.	982.	1225.	1438.	1614.	1816.	2087.
21	866.	974.	1161.	1359.	1694.	1997.	2256.	2539.	2913.
22	1112.	1251.	1490.	1744.	2174.	2568.	2919.	3295.	3774.
23	1363.	1534.	1827.	2137.	2664.	3146.	3636.	4113.	4698.
24	1735.	1953.	2325.	2720.	3389.	4002.	4740.	5356.	6100.
25	2013.	2266.	2698.	3157.	3935.	4647.	5622.	6336.	7202.
26	2296.	2585.	3079.	3603.	4492.	5305.	6482.	7299.	8290.
27	2584.	2909.	3466.	4057.	5059.	5977.	7471.	8393.	9508.
28	2932.	3190.	3804.	4454.	5556.	6566.	8556.	9573.	10796.
29	3076.	3354.	4002.	4689.	5855.	6921.	9371.	10448.	11737.
30	3120.	3519.	4202.	4927.	6157.	7282.	10040.	11178.	12536.
31	3129.	3533.	4225.	4959.	6205.	7345.	10139.	11291.	12667.
32	3135.	3545.	4246.	4990.	6252.	7407.	10238.	11406.	12800.
33	3136.	3551.	4262.	5016.	6295.	7466.	10334.	11518.	12931.
34	3138.	3559.	4279.	5044.	6340.	7527.	10435.	11635.	13067.
35	3134.	3561.	4292.	5067.	6381.	7585.	10533.	11750.	13202.

ANNUAL RETIRED PAY FOR CURRENT RETIREES											
0.	1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.	20	917.	1028.	1219.	1421.	1764.	2063.	2311.	2596.	2978.	0.
-32.	21	1284.	1440.	1707.	1990.	2469.	2902.	3273.	3677.	4213.	1.
-37.	22	1651.	1851.	2194.	2558.	3175.	3740.	4245.	4784.	5471.	2.
-45.	23	2018.	2262.	2682.	3126.	3881.	4571.	5273.	5956.	6792.	3.
-53.	24	2690.	3017.	3576.	4169.	5174.	6095.	7204.	8129.	9245.	4.
-64.	25	3088.	3462.	4104.	4784.	5938.	6995.	8442.	9502.	10787.	5.
-78.	26	3485.	3908.	4632.	5400.	6703.	7896.	9621.	10817.	12270.	5.
-94.	27	3883.	4354.	5160.	6016.	7467.	8796.	10959.	12293.	13909.	6.
-113.	28	4219.	4731.	5607.	6537.	8114.	9558.	12403.	13857.	15607.	6.
-137.	29	4402.	4936.	5851.	6821.	8467.	9973.	13432.	14953.	16774.	7.
-164.	30	4586.	5142.	6095.	7106.	8820.	10389.	14233.	15820.	17714.	7.
-198.	31	4586.	5142.	6095.	7106.	8820.	10389.	14233.	15820.	17714.	7.
-236.	32	4586.	5142.	6095.	7106.	8820.	10389.	14233.	15820.	17714.	7.
-280.	33	4586.	5142.	6095.	7106.	8820.	10389.	14233.	15820.	17714.	7.
-325.	34	4586.	5142.	6095.	7106.	8820.	10389.	14233.	15820.	17714.	7.
-378.	35	4586.	5142.	6095.	7106.	8820.	10389.	14233.	15820.	17714.	7.

YR	1	2	3	4	5	6	7	8	9	10
1	*******	0.00	0.25	*******	0.00	0.0	0.0	0.0	0.0	0.0
2	**********		0.25	*******	0.00	0.0	0.0	0.0	0.0	0.0
3	**********		0.25	**********		0.0	0.0	0.0	0.0	0.0
4	0.00	*******	0.00	1.03	*******	0.0	0.0	0.0	0.0	0.0
5	0.00	*******	0.00	-0.00	**********		0.0	0.0	0.0	0.0
6	0.00	*******	0.25	*******	0.25	0.0	0.0	0.0	0.0	0.0
7	*******	0.05	0.25	0.00	0.25	0.0	0.0	0.0	0.0	0.0
8	-0.00	0.00	0.25	**********		0.0	0.0	0.0	0.0	0.0
9	-0.00	*******	0.25	-0.00	0.25	0.0	0.0	0.0	0.0	0.0
10	-0.00	*******	0.25	0.00	*******	0.0	0.0	0.0	0.0	0.0
11	**********		0.25	*******	0.25	0.0	0.0	0.0	0.0	0.0
12	*******	0.00	**********			0.0	0.0	0.0	0.0	0.0
13	-0.00	**********				0.0	0.0	0.0	0.0	0.0
14	*******	0.0	0.00	**********		0.0	0.0	0.0	0.0	0.0
15	0.00	*******	-924.28	**********		0.0	0.0	0.0	0.0	0.0
16	*******	9.06	**********			0.0	0.0	0.0	0.0	0.0
17	0.00	**********		0.00	*******	0.0	0.0	0.0	0.0	0.0
18	**********					0.0	0.0	0.0	0.0	0.0
19	**********					0.0	0.0	0.0	0.0	0.0

20	0.92	0.92	0.92	0.91	0.90	0.90	0.92	0.92	0.92	0.92
21	0.92	0.92	0.92	0.92	0.89	0.90	0.92	0.92	0.92	0.92
22	0.92	0.92	0.92	0.92	0.91	0.91	0.92	0.92	0.92	0.92
23	0.92	0.92	0.92	0.92	0.89	0.88	0.92	0.92	0.92	0.92
24	0.92	0.92	0.92	0.92	0.91	0.90	0.92	0.92	0.92	0.92
25	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
26	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
27	0.92	0.92	0.92	0.92	0.92	0.87	0.92	0.92	0.92	0.92
28	0.92	0.92	0.92	0.92	0.92	0.89	0.92	0.92	0.92	0.92
29	0.92	0.92	0.92	0.92	0.92	0.91	0.92	0.92	0.92	0.92
30	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
31	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
32	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
33	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
34	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
35	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92

2 3

YR	1	2	3	4	5	6	7	8	9	10
1	**********		0.25	8.50	0.00	0.0	0.0	0.0	0.0	0.0
2	**********		0.25	*******	0.00	0.0	0.0	0.0	0.0	0.0
3	0.00	*******	0.01	**********		0.0	0.0	0.0	0.0	0.0
4	**********		0.00	0.00	0.25	0.00	0.0	0.0	0.0	0.0
5	**********		0.25	0.00	*******	0.25	0.0	0.0	0.0	0.0
6	8.50	0.05	0.25	*******	0.25	0.0	0.0	0.0	0.0	0.0
7	******	1.06	0.25	0.00	0.25	0.0	0.0	0.0	0.0	0.0
8	**********		0.25	-0.00	0.49	0.0	0.0	0.0	0.0	0.0
9	*******	0.00	0.25	0.00	0.25	0.0	0.0	0.0	0.0	0.0
10	0.00	-0.00	0.25	0.00	*******	0.0	0.0	0.0	0.0	0.0
11	0.00	1.03	0.00	0.00	0.25	0.0	0.0	0.0	0.0	0.0
12	0.00	-0.00	0.00	*******	0.25	0.0	0.0	0.0	0.0	0.0
13	**********		**********	15.06	*******	0.0	0.0	0.0	0.0	0.0
14	*******	0.00	*******	0.0	*******	0.0	0.0	0.0	0.0	0.0
15	0.00	*******	-0.00	**********		0.0	0.0	0.0	0.0	0.0
16	**********		-0.00	**********		0.0	0.0	0.0	0.0	0.0
17	*******	0.00	-0.25	0.00	*******	0.0	0.0	0.0	0.0	0.0
18	**********		0.00	0.00	*******	0.0	0.0	0.0	0.0	0.0
19	-0.00	*******	-0.36	**********		0.0	0.0	0.0	0.0	0.0
20	0.91	0.91	0.91	0.91	0.0	0.0	0.0	0.0	0.0	0.0
21	0.89	0.90	0.89	0.90	0.32	0.32	0.32	0.32	0.32	0.32
22	0.91	0.91	0.91	0.91	0.62	0.62	0.62	0.62	0.62	0.62
23	0.92	0.89	0.89	0.90	0.76	0.76	0.76	0.76	0.76	0.76
24	0.92	0.91	0.91	0.91	0.76	0.76	0.76	0.76	0.76	0.76
25	0.92	0.92	0.92	0.92	0.76	0.76	0.76	0.76	0.76	0.76
26	0.92	0.92	0.92	0.92	0.76	0.76	0.76	0.76	0.76	0.76
27	0.92	0.92	0.90	0.87	0.76	0.76	0.76	0.76	0.76	0.76
28	0.92	0.92	0.91	0.89	0.76	0.76	0.76	0.76	0.76	0.76
29	0.92		0.92	0.91	0.76	0.76	0.76	0.76	0.76	0.76
30	0.92		0.92	0.92	0.76	0.76	0.76	0.76	0.76	0.76
31	0.92	0.92	0.92	0.92	0.76	0.76	0.76	0.76	0.76	0.76
32	0.92	0.92	0.92	0.92	0.76	0.76	0.76	0.76	0.76	0.76
33	0.92	0.92	0.92	0.92	0.76	0.76	0.76	0.76	0.76	0.76
34	0.92	0.92	0.92	0.92	0.76	0.76	0.76	0.76	0.76	0.76
35	0.92	0.92	0.92	0.92	0.76	0.76	0.76	0.76	0.76	0.76

3 3

YR	1	2	3	4	5	6	7	8	9	10
1	**********		0.25	*******	0.00	0.0	0.0	0.0	0.0	0.0
2	*******	0.00	0.25	*******	0.00	0.0	0.0	0.0	0.0	0.0
3	*******	0.00	0.00	*******	-13.33	0.0	0.0	0.0	0.0	0.0
4	*******	-0.00	*******	0.00	**********		0.0	0.0	0.0	0.0
5	0.00	-0.00	0.25	*******	0.25	0.25	0.0	0.0	0.0	0.0
6	**********		0.25	0.0	*******	0.0	0.0	0.0	0.0	0.0
7	-0.00	0.00	0.25	9.06	0.25	0.0	0.0	0.0	0.0	0.0
8	**********		0.25	**********		0.0	0.0	0.0	0.0	0.0
9	-0.00	0.00	0.25	*******	0.95	0.0	0.0	0.0	0.0	0.0
10	*******	0.00	0.25	*******	0.25	0.0	0.0	0.0	0.0	0.0
11	*******	0.00	**********			0.0	0.0	0.0	0.0	0.0
12	*******	0.00	0.00	*******	0.25	0.0	0.0	0.0	0.0	0.0
13	**********					0.0	0.0	0.0	0.0	0.0
14	**********			0.00	*******	0.0	0.0	0.0	0.0	0.0
15	*******	0.00	**********			0.0	0.0	0.0	0.0	0.0
16	**********	-206.58		0.0	*******	0.0	0.0	0.0	0.0	0.0
17	**********			9.06	*******	0.0	0.0	0.0	0.0	0.0
18	**********		0.00	*******	-14.24	0.0	0.0	0.0	0.0	0.0
19	0.00	-14.24	*******	0.0	-14.24	0.0	0.0	0.0	0.0	0.0
20	0.92	0.92	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.0
21	0.92	0.92	0.92	0.92	0.92	0.92	0.91	0.90	0.91	0.32
22	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.91	0.92	0.62
23	0.92	0.92	0.92	0.92	0.92	0.92	0.87	0.88	0.88	0.76
24	0.92	0.92	0.92	0.92	0.92	0.92	0.90	0.90	0.90	0.76
25	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.76
26	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.76
27	0.92	0.92	0.92	0.92	0.92	0.92	0.84	0.85	0.86	0.76
28	0.92	0.92	0.92	0.92	0.92	0.92	0.88	0.88	0.88	0.76
29	0.92	0.92	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.76
30	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.76
31	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.76
32	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.76
33	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.76
34	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.76
35	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.76

H-241

```
LINK TO QRMC2JVD 191 199 RR RPASS
ACCESS 199 H
FILEDEF 30 DISK COST DATABASE A1 ( XTENT 54001 PERM
&N = 21
&LOOP 3 3
&N = &N + 1
FILEDEF 10 DISK PF&N CFCDATA7 H1 ( LRECL 132 RECFM FB BLKSIZE 132
CFLOAD
DET 199
RELEASE H
&EXIT
```

```
      DIMENSION ITTLE(17),COST(10)                                      CFL00010
      INTEGER CHK(10),AST                                               CFL00020
      DATA AST/'*'/                                                     CFL00030
      DEFINE FILE 30(54001,17,U,ID)                                     CFL00040
C                                                                       CFL00050
      ID=1                                                              CFL00060
      READ(30'ID) INUM                                                  CFL00070
C                                                                       CFL00080
      ID=((INUM+1)*36)-34                                               CFL00090
C                                                                       CFL00100
      READ(10,101,END=9000,ERR=9001) ITTLE                              CFL00110
101   FORMAT(17A4)                                                      CFL00120
      WRITE(30'ID) ITTLE                                                CFL00130
      DO 200 I=1,35                                                     CFL00140
      READ(10,103,ERR=9001) CHK                                         CFL00150
103   FORMAT(10(A1,11X))                                                CFL00160
      DO 201 IC=1,10                                                    CFL00170
      IF(CHK(IC).EQ.AST)GO TO 9001                                      CFL00180
201   CONTINUE                                                          CFL00190
      BACKSPACE 10                                                      CFL00200
      READ(10,102,ERR=9001) COST                                        CFL00210
102   FORMAT(10F12.4)                                                   CFL00220
      WRITE(30'ID) COST                                                 CFL00230
200   CONTINUE                                                          CFL00240
      ID=1                                                              CFL00250
      INUM=INUM+1                                                       CFL00260
      WRITE(30'ID) INUM                                                 CFL00270
      STOP                                                              CFL00280
C                                                                       CFL00290
9000  WRITE(6,107)                                                      CFL00300
107   FORMAT(1X,'***END OF FILE ENCOUNTERED---DATA NOT ADDED TO DB***') CFL00310
      STOP                                                              CFL00320
9001  WRITE(6,9002) ITTLE                                               CFL00330
9002  FORMAT(1X,'ERROR IN FILE ',17A4)                                  CFL00340
      STOP                                                              CFL00350
      END                                                               CFL00360
```

FILE NUMBER = 1
TITLE=ENTITLEMENT; 100%(ALL 1.0)

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
3	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
4	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
7	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
8	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
9	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
11	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
13	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
14	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
15	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
16	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
17	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
18	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
19	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
20	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
21	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
22	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
23	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
24	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
26	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
27	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
28	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
29	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
30	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
31	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
32	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
33	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
34	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
35	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

FILE NUMBER = 2
TITLE=CF--BASIC PAY,OFFICER,1 OCT 1981,CAPPED AT $4176.00

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	1056.6001	1217.1001	1395.8999	1502.1001	1782.0000	2228.1001	3006.0000	3617.7000	3994.2000	4176.0000
2	1056.6001	1217.1001	1395.8999	1502.1001	1782.0000	2228.1001	3006.0000	3617.7000	3994.2000	4176.0000
3	1099.8000	1329.3000	1560.6001	1828.8000	2092.8000	2448.3000	3210.6001	3726.0000	4098.8984	4176.0000
4	1329.3000	1596.8999	1668.3000	1951.2000	2237.1001	2608.2000	3210.6001	3814.5000	4176.0000	4176.0000
5	1329.3000	1650.6001	1845.8999	1951.2000	2237.1001	2608.2000	3210.6001	3814.5000	4176.0000	4176.0000
6	1329.3000	1650.6001	1845.8999	1951.2000	2237.1001	2608.2000	3210.6001	3814.5000	4176.0000	4176.0000
7	1329.3000	1685.1001	1934.1001	1986.8999	2237.1001	2608.2000	3354.3000	3814.5000	4176.0000	4176.0000
8	1329.3000	1685.1001	1934.1001	1986.8999	2237.1001	2608.2000	3354.3000	3814.5000	4176.0000	4176.0000
9	1329.3000	1685.1001	2004.0000	2075.1001	2237.1001	2608.2000	3354.3000	4098.8984	4176.0000	4176.0000
10	1329.3000	1685.1001	2004.0000	2075.1001	2237.1001	2608.2000	3354.3000	4098.8984	4176.0000	4176.0000
11	1329.3000	1685.1001	2111.7000	2216.3999	2305.2000	2608.2000	3549.0000	4098.8984	4176.0000	4176.0000
12	1329.3000	1685.1001	2111.7000	2216.3999	2305.2000	2608.2000	3549.0000	4098.8984	4176.0000	4176.0000
13	1329.3000	1685.1001	2216.3999	2341.2000	2428.8000	2608.2000	3549.0000	4176.0000	4176.0000	4176.0000
14	1329.3000	1685.1001	2216.3999	2341.2000	2428.8000	2608.2000	3549.0000	4176.0000	4176.0000	4176.0000
15	1329.3000	1685.1001	2271.0000	2448.3000	2591.3999	2696.7000	3726.0000	4176.0000	4176.0000	4176.0000
16	1329.3000	1685.1001	2271.0000	2448.3000	2591.3999	2696.7000	3726.0000	4176.0000	4176.0000	4176.0000
17	1329.3000	1685.1001	2271.0000	2555.3999	2785.5000	3123.6001	4098.8984	4176.0000	4176.0000	4176.0000
18	1329.3000	1685.1001	2271.0000	2555.3999	2785.5000	3123.6001	4098.8984	4176.0000	4176.0000	4176.0000
19	1329.3000	1685.1001	2271.0000	2626.2000	2945.3999	3283.2000	4176.0000	4176.0000	4176.0000	4176.0000
20	1329.3000	1685.1001	2271.0000	2626.2000	2945.3999	3283.2000	4176.0000	4176.0000	4176.0000	4176.0000
21	1329.3000	1685.1001	2271.0000	2626.2000	3034.2000	3354.3000	4176.0000	4176.0000	4176.0000	4176.0000
22	1329.3000	1685.1001	2271.0000	2626.2000	3034.2000	3354.3000	4176.0000	4176.0000	4176.0000	4176.0000
23	1329.3000	1685.1001	2271.0000	2626.2000	3140.3999	3549.0000	4176.0000	4176.0000	4176.0000	4176.0000
24	1329.3000	1685.1001	2271.0000	2626.2000	3140.3999	3549.0000	4176.0000	4176.0000	4176.0000	4176.0000
25	1329.3000	1685.1001	2271.0000	2626.2000	3140.3999	3549.0000	4176.0000	4176.0000	4176.0000	4176.0000
26	1329.3000	1685.1001	2271.0000	2626.2000	3140.3999	3549.0000	4176.0000	4176.0000	4176.0000	4176.0000
27	1329.3000	1685.1001	2271.0000	2626.2000	3140.3999	3849.0000	4176.0000	4176.0000	4176.0000	4176.0000
28	1329.3000	1685.1001	2271.0000	2626.2000	3140.3999	3849.0000	4176.0000	4176.0000	4176.0000	4176.0000
29	1329.3000	1685.1001	2271.0000	2626.2000	3140.3999	3849.0000	4176.0000	4176.0000	4176.0000	4176.0000
30	1329.3000	1685.1001	2271.0000	2626.2000	3140.3999	3849.0000	4176.0000	4176.0000	4176.0000	4176.0000
31	1329.3000	1685.1001	2271.0000	2626.2000	3140.3999	3849.0000	4176.0000	4176.0000	4176.0000	4176.0000
32	1329.3000	1685.1001	2271.0000	2626.2000	3140.3999	3849.0000	4176.0000	4176.0000	4176.0000	4176.0000
33	1329.3000	1685.1001	2271.0000	2626.2000	3140.3999	3849.0000	4176.0000	4176.0000	4176.0000	4176.0000
34	1329.3000	1685.1001	2271.0000	2626.2000	3140.3999	3849.0000	4176.0000	4176.0000	4176.0000	4176.0000
35	1329.3000	1685.1001	2271.0000	2626.2000	3140.3999	3849.0000	4176.0000	4176.0000	4176.0000	4176.0000

FILE NUMBER = 5
TITLE=CF--BAS,OFFICER & WARRANT,OCT 81

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
2	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
3	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
4	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
5	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
6	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
7	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
8	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
9	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
10	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
11	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
12	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
13	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
14	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
15	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
16	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
17	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
18	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
19	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
20	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
21	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
22	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
23	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
24	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
25	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
26	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
27	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
28	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
29	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
30	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
31	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
32	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
33	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
34	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900
35	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900	94.3900

FILE NUMBER = 6
TITLE=CF--BAS,ARMY ENLISTED, OCT 81 ($108.42/MO)

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
2	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
3	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
4	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
5	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
6	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
7	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
8	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
9	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
10	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
11	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
12	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
13	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
14	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
15	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
16	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
17	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
18	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
19	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
20	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
21	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
22	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
23	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
24	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
25	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
26	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
27	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
28	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
29	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
30	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
31	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
32	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
33	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
34	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0
35	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	108.4200	0.0

FILE NUMBER = 31
TITLE=CF--TOTAL BAQ,ARMY OFFICERS,F 32 (INCL BAQ W/DEP,BAQ W/O DEP,PARTIAL

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	118.2057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
2	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
3	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
4	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
5	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
6	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
7	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
8	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
9	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
10	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
11	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
12	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
13	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
14	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
15	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
16	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
17	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
18	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
19	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
20	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
21	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
22	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
23	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
24	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
25	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
26	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
27	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
28	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
29	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
30	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
31	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
32	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
33	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
34	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0
35	118.8057	170.2655	231.1011	259.2725	308.1560	311.0806	158.4267	147.7842	152.9250	0.0

FILE NUMBER = 34
TITLE=CF--MONTHLY FICA FOR OFFICERS,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	70.6318	81.3610	93.3134	100.4127	119.1236	148.9445	184.3965	187.5518	180.8276	180.8276
2	70.6318	81.3610	93.3134	100.4127	119.1236	148.9445	184.3965	187.5518	180.8276	180.8276
3	73.5197	88.8614	104.3233	122.2520	139.9000	163.6646	185.7492	182.8279	180.8276	180.8276
4	88.8614	106.7499	111.5229	130.4343	149.5462	174.3536	185.7492	180.8276	180.8276	180.8276
5	88.8614	110.3397	123.3951	130.4343	149.5462	174.3536	185.7492	180.8276	180.8276	180.8276
6	88.8614	110.3397	123.3951	130.4343	149.5462	174.3536	185.7492	180.8276	180.8276	180.8276
7	88.8614	112.6460	129.2912	132.8208	149.5462	174.3536	186.6993	180.8276	180.8276	180.8276
8	88.8614	112.6460	129.2912	132.8208	149.5462	174.3536	186.6993	180.8276	180.8276	180.8276
9	88.8614	112.6460	133.9639	138.7168	149.5462	174.3536	186.6993	180.8276	180.8276	180.8276
10	88.8614	112.6460	133.9639	138.7168	149.5462	174.3536	186.6993	180.8276	180.8276	180.8276
11	88.8614	112.6460	141.1634	148.1624	154.0986	174.3536	187.9866	180.8276	180.8276	180.8276
12	88.8614	112.6460	141.1634	148.1624	154.0986	174.3536	187.9866	180.8276	180.8276	180.8276
13	88.8614	112.6460	148.1624	156.5051	162.3610	174.3536	187.9866	180.8276	180.8276	180.8276
14	88.8614	112.6460	148.1624	156.5051	162.3610	174.3536	187.9866	180.8276	180.8276	180.8276
15	88.8614	112.6460	151.8123	163.6646	173.2305	180.2696	182.8279	180.8276	180.8276	180.8276
16	88.8614	112.6460	151.8123	163.6646	173.2305	180.2696	182.8279	180.8276	180.8276	180.8276
17	88.8614	112.6460	151.8123	170.8240	182.9386	185.1740	180.8276	180.8276	180.8276	180.8276
18	88.8614	112.6460	151.8123	170.8240	182.9386	185.1740	180.8276	180.8276	180.8276	180.8276
19	88.8614	112.6460	151.8123	175.5568	183.9958	186.2292	180.8276	180.8276	180.8276	180.8276
20	88.8614	112.6460	151.8123	175.5568	183.9958	186.2292	180.8276	180.8276	180.8276	180.8276
21	88.8614	112.6460	151.8123	175.5568	184.5829	186.6993	180.8276	180.8276	180.8276	180.8276
22	88.8614	112.6460	151.8123	175.5568	184.5829	186.6993	180.8276	180.8276	180.8276	180.8276
23	88 8614	112.6460	151.8123	175.5568	185.2851	187.9866	180.8276	180.8276	180.8276	180.8276
24	88.8614	112.6460	151.8123	175.5568	185.2851	187.9866	180.8276	180.8276	180.8276	180.8276
25	88.8614	112.6460	151.8123	175.5568	185.2851	187.9866	180.8276	180.8276	180.8276	180.8276
26	88.8614	112.6460	151.8123	175.5568	185.2851	187.9866	180.8276	180.8276	180.8276	180.8276
27	88.8614	112.6460	151.8123	175.5568	185.2851	180.8276	180.8276	180.8276	180.8276	180.8276
28	88.8614	112.6460	151.8123	175.5568	185.2851	180.8276	180.8276	180.8276	180.8276	180.8276
29	88.8614	112.6460	151.8123	175.5568	185.2851	180.8276	180.8276	180.8276	180.8276	180.8276
30	88.8614	112.6460	151.8123	175.5568	185.2851	180.8276	180.8276	180.8276	180.8276	180.8276
31	88.8614	112.6460	151.8123	175.5568	185.2851	180.8276	180.8276	180.8276	180.8276	180.8276
32	88.8614	112.6460	151.8123	175.5568	185.2851	180.8276	180.8276	180.8276	180.8276	180.8276
33	88.8614	112.6460	151.8123	175.5568	185.2851	180.8276	180.8276	180.8276	180.8276	180.8276
34	88.8614	112.6460	151.8123	175.5568	185.2851	180.8276	180.8276	180.8276	180.8276	180.8276
35	88.8614	112.6460	151.8123	175.5568	185.2851	180.8276	180.8276	180.8276	180.8276	180.8276

FILE NUMBER = 37
TITLE=CF--TOTAL VHA, ARMY OFFICER, FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
2	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
3	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
4	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
5	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
6	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
7	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
8	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
9	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
10	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
11	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
12	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
13	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
14	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
15	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
16	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
17	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
18	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
19	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
20	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
21	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
22	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
23	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
24	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
25	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
26	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
27	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
28	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
29	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
30	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
31	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
32	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
33	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
34	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0
35	18.1400	8.7500	31.4900	59.4100	71.3000	65.8100	33.8000	32.1200	31.8400	0.0

FILE NUMBER = 40
TITLE=ENT--CLOTHING MAINT ALLOWANCE,BASIC & STANDARD,ENLISTED,ALL SVCS

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000
2	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
3	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
4	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
7	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
8	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
9	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
11	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
13	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
14	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
15	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
16	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
17	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
18	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
19	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
20	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
21	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
22	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
23	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
24	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
26	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
27	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
28	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
29	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
30	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
31	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
32	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
33	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
34	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
35	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

FILE NUMBER = 41
TITLE=CF--ENLISTED CLOTHING MAINT ALLOWANCE,FY82 (MONTHLY)

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	8.2734	8.2734	8.2734	8.2734	8.2734	8.2734	8.2734	8.2734	8.2734	8.2734
2	8.2734	8.2734	8.2734	8.2734	8.2734	8.2734	8.2734	8.2734	8.2734	8.2734
3	8.2734	8.2734	8.2734	8.2734	8.2734	8.2734	8.2734	8.2734	8.2734	8.2734
4	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
5	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
6	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
7	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
8	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
9	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
10	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
11	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
12	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
13	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
14	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
15	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
16	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
17	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
18	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
19	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
20	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
21	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
22	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
23	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
24	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
25	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
26	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
27	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
28	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
29	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
30	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
31	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
32	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
33	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
34	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739
35	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739	11.1739

FILE NUMBER = 50
TITLE=CF--SEPARATION PCS,ARMY OFFICER AND WARRANT,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
2	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
3	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
4	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
5	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
6	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
7	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
8	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
9	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
10	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
11	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
12	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
13	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
14	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
15	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
16	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
17	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
18	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
19	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
20	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
21	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
22	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
23	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
24	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
25	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
26	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
27	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
28	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
29	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
30	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
31	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
32	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
33	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
34	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000
35	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000	1823.0000

FILE NUMBER = 51
TITLE=CF--SEPARATION PCS,ARMY ENLISTED,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
2	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
3	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
4	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
5	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
6	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
7	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
8	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
9	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
10	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
11	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
12	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
13	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
14	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
15	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
16	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
17	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
18	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
19	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
20	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
21	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
22	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
23	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
24	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
25	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
26	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
27	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
28	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
29	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
30	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
31	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
32	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
33	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
34	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000
35	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000	621.0000

FILE NUMBER = 53
TITLE=CF--DEATH GRATUITY,S3000,ALL,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
2	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
3	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
4	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
5	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
6	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
7	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
8	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
9	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
10	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
11	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
12	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
13	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
14	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
15	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
16	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
17	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
18	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
19	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
20	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
21	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
22	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
23	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
24	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
25	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
26	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
27	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
28	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
29	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
30	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
31	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
32	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
33	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
34	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000
35	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000	3000.0000

FILE NUMBER = 54
TITLE=CF--TERMINAL LEAVE,ARMY OFFICER,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
2	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
3	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
4	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
5	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
6	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
7	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
8	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
9	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
10	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
11	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
12	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
13	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
14	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
15	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
16	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
17	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
18	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
19	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
20	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
21	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
22	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
23	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
24	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
25	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
26	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
27	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
28	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
29	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
30	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
31	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
32	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
33	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
34	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0
35	724.0000	1076.0000	1664.0000	3636.0000	4569.0000	6155.0000	0.0	0.0	0.0	0.0

FILE NUMBER = 57
TITLE=CF--OFFICER SEPARATION PAY (10%*YOS*ANNUAL BASIC PAY,MAX=$30000)

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	9570.9570	11884.3203	13290.4766	14048.6367	16107.1172	18779.0391	23116.3164	27464.3984	30000.0000	30000.0000
7	11166.1172	14154.8398	16246.4375	16689.9570	18791.6367	21908.8750	28176.1172	30000.0000	30000.0000	30000.0000
8	12761.2773	16176.9609	18567.3594	19074.2383	21476.1602	25038.7187	30000.0000	30000.0000	30000.0000	30000.0000
9	14356.4375	18199.0781	21643.1992	22411.0781	24160.6797	28168.5586	30000.0000	30000.0000	30000.0000	30000.0000
10	15951.5977	20221.1992	24048.0000	24901.1992	26845.1992	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000
11	17546.7578	22243.3203	27874.4375	29256.4765	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000
12	19141.9180	24265.4375	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000
13	20737.0781	26287.5586	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000
14	22332.2422	28309.6836	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000
15	23927.3984	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000
16	25522.5547	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000
17	27117.7109	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000
18	28712.8867	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000
19	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000	30000.0000
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FILE NUMBER = 60
TITLE=CF--OFFICER DISABILITY SEV. PAY (2*YOS*MONTHLY BASIC PAY,MAX=24 MONT

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	2113.2002	2434.2002	2791.7998	3004.2002	3564.0000	4456.1992	6012.0000	7235.3984	7988.3984	8352.0000
2	4226.3984	4868.3984	5583.5977	6008.3984	7128.0000	8912.3984	12024.0000	14470.7969	15976.7969	16704.0000
3	6598.7969	7975.7969	9363.5977	10972.7969	12556.7969	14689.7969	19263.5977	22356.0000	24593.3906	25056.0000
4	10634.3984	12775.1992	13346.3984	15609.5977	17896.8008	20865.5977	25684.8008	30516.0000	33408.0000	33408.0000
5	13293.0000	16506.0000	18458.9961	19511.9961	22371.0000	26081.9961	32106.0000	38145.0000	41760.0000	41760.0000
6	15951.5977	19807.1992	22150.7969	23414.3984	26845.1992	31298.3984	38527.1992	45774.0000	50112.0000	50112.0000
7	18610.1992	23591.3984	27077.3984	27816.5977	31319.3984	36514.7969	46960.1992	53403.0000	58464.0000	58464.0000
8	21268.8008	26961.6016	30945.6016	31790.3984	35793.6016	41731.1992	53668.8008	61032.0000	66816.0000	66816.0000
9	23927.[illegible]	30331.8008	36072.0000	37351.8008	40267.8008	46947.5977	60377.3984	73780.1250	75168.0000	75168.0000
10	26586.[illegible]	33702.0000	40080.0000	41502.0000	44742.0000	52163.9961	67086.0000	81977.9375	83520.0000	83520.0000
11	29244.5977	37072.1992	46457.3984	48760.7969	50714.3984	57380.3984	78078.0000	90175.7500	91872.0000	91872.0000
12	31903.1992	40442.4023	50680.7969	53193.5977	55324.7969	62596.7969	85176.0000	98373.5625	100224.000	100224.000
13	31903.1992	40442.4023	53193.5977	56188.7969	58291.1992	62596.7969	85176.0000	100224.000	100224.000	100224.000
14	31903.1992	40442.4023	53193.5977	56188.7969	58291.1992	62596.7969	85176.0000	100224.000	100224.000	100224.000
15	31903.1992	40442.4023	54504.0000	58759.1992	62193.5977	64720.7969	89424.0000	100224.000	100224.000	100224.000
16	31903.1992	40442.4023	54504.0000	58759.1992	62193.5977	64720.7969	89424.0000	100224.000	100224.000	100224.000
17	31903.1992	40442.4023	54504.0000	61329.5977	66852.0000	74966.3750	98373.5625	100224.000	100224.000	100224.000
18	31903.1992	40442.4023	54504.0000	61329.5977	66852.0000	74966.3750	98373.5625	100224.000	100224.000	100224.000
19	31903.1992	40442.4023	54504.0000	63028.7969	70689.5625	78796.7500	100224.000	100224.000	100224.000	100224.000
20	31903.1992	40442.4023	54504.0000	63028.7969	70689.5625	78796.7500	100224.000	100224.000	100224.000	100224.000
21	31903.1992	40442.4023	54504.0000	63028.7969	72820.7500	80503.1875	100224.000	100224.000	100224.000	100224.000
22	31903.1992	40442.4023	54504.0000	63028.7969	72820.7500	80503.1875	100224.000	100224.000	100224.000	100224.000
23	31903.1992	40442.4023	54504.0000	63028.7969	75369.5625	85176.0000	100224.000	100224.000	100224.000	100224.000
24	31903.1992	40442.4023	54504.0000	63028.7969	75369.5625	85176.0000	100224.000	100224.000	100224.000	100224.000
25	31903.1992	40442.4023	54504.0000	63028.7969	75369.5625	85176.0000	100224.000	100224.000	100224.000	100224.000
26	31903.1992	40442.4023	54504.0000	63028.7969	75369.5625	85176.0000	100224.000	100224.000	100224.000	100224.000
27	31903.1992	40442.4023	54504.0000	63028.7969	75369.5625	92376.0000	100224.000	100224.000	100224.000	100224.000
28	31903.1992	40442.4023	54504.0000	63028.7969	75369.5625	92376.0000	100224.000	100224.000	100224.000	100224.000
29	31903.1992	40442.4023	54504.0000	63028.7969	75369.5625	92376.0000	100224.000	100224.000	100224.000	100224.000
30	31903.1992	40442.4023	54504.0000	63028.7969	75369.5625	92376.0000	100224.000	100224.000	100224.000	100224.000
31	31903.1992	40442.4023	54504.0000	63028.7969	75369.5625	92376.0000	100224.000	100224.000	100224.000	100224.000
32	31903.1992	40442.4023	54504.0000	63028.7969	75369.5625	92376.0000	100224.000	100224.000	100224.000	100224.000
33	31903.1992	40442.4023	54504.0000	63028.7969	75369.5625	92376.0000	100224.000	100224.000	100224.000	100224.000
34	31903.1992	40442.4023	54504.0000	63028.7969	75369.5625	92376.0000	100224.000	100224.000	100224.000	100224.000
35	31903.1992	40442.4023	54504.0000	63028.7969	75369.5625	92376.0000	100224.000	100224.000	100224.000	100224.000

FILE NUMBER = 66
TITLE=CF--BAS,USAF ENLISTED,OCT 81 ($119.44/MO)

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
2	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
3	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
4	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
5	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
6	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
7	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
8	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
9	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
10	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
11	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
12	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
13	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
14	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
15	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
16	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
17	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
18	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
19	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
20	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
21	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
22	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
23	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
24	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
25	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
26	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
27	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
28	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
29	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
30	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
31	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
32	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
33	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
34	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0
35	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	119.4400	0.0

FILE NUMBER = 77
TITLE=CF--TOTAL BAQ,USAF OFFICERS,FY82 (INCL BAQ W/DEP,W/O DEP,PRTL,INAD)

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
2	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
3	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
4	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
5	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
6	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
7	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
8	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
9	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
10	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
11	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
12	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
13	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
14	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
15	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
16	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
17	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
18	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
19	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
20	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
21	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
22	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
23	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
24	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
25	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
26	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
27	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
28	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
29	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
30	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
31	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
32	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
33	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
34	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0
35	165.7730	205.5968	291.2324	343.8137	384.3867	339.4666	153.1614	152.5497	152.0625	0.0

FILE NUMBER = 79
TITLE=CF--TOTAL VHA,USAF OFFICER,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
2	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
3	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
4	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
5	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
6	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
7	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
8	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
9	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
10	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
11	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
12	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
13	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
14	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
15	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
16	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
17	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
18	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
19	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
20	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
21	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
22	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
23	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
24	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
25	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
26	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
27	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
28	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
29	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
30	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
31	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
32	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
33	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
34	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0
35	45.7500	29.6600	47.6300	85.4600	86.3900	69.5500	34.0700	33.1900	30.2900	0.0

FILE NUMBER = 81
TITLE=CF--MONTHLY CLOTHING MAINT ALLOWANCE,FY82,USAF ENLISTED

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	6.2500	6.2500	6.2500	6.2500	6.2500	6.2500	6.2500	6.2500	6.2500	6.2500
2	6.2500	6.2500	6.2500	6.2500	6.2500	6.2500	6.2500	6.2500	6.2500	6.2500
3	6.2500	6.2500	6.2500	6.2500	6.2500	6.2500	6.2500	6.2500	6.2500	6.2500
4	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
5	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
6	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
7	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
8	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
9	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
10	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
11	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
12	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
13	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
14	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
15	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
16	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
17	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
18	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
19	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
20	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
21	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
22	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
23	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
24	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
25	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
26	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
27	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
28	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
29	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
30	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
31	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
32	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
33	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
34	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130
35	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130	9.2130

FILE NUMBER = 86
TITLE=CF--SEPARATION PCS,USAF OFFICER,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
2	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
3	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
4	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
5	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.00	2025.0000	2025.0000	2025.0000	2025.0000
6	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.000	2025.0000	2025.0000	2025.0000	2025.0000
7	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
8	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
9	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
10	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
11	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
12	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
13	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
14	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
15	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
16	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
17	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
18	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
19	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
20	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
21	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
22	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
23	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
24	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
25	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
26	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
27	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
28	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
29	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
30	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
31	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
32	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
33	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
34	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000
35	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000	2025.0000

FILE NUMBER = 87
TITLE=CF--SEPARATION PCS,USAF ENLISTED,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
2	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
3	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
4	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
5	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
6	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
7	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
8	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
9	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
10	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
11	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
12	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
13	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
14	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
15	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
16	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
17	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
18	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
19	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
20	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
21	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
22	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
23	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
24	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
25	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
26	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
27	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
28	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
29	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
30	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
31	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
32	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
33	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
34	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000
35	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000	961.0000

FILE NUMBER = 88
TITLE=CF--TERMINAL LEAVE,USAF OFFICER,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
2	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
3	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
4	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
5	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
6	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
7	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
8	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
9	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
10	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
11	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
12	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
13	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
14	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
15	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
16	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
17	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
18	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
19	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
20	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
21	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
22	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
23	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
24	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
25	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
26	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
27	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
28	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
29	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
30	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
31	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
32	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
33	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
34	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0
35	443.0000	1137.0000	1960.0000	3577.0000	4564.0000	6268.0000	0.0	0.0	0.0	0.0

FILE NUMBER = 90
TITLE=CF--BAS,NAVY ENLISTED, ($112.88/MONTH)

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
2	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
3	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
4	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
5	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
6	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
7	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
8	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
9	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
10	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
11	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
12	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
13	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
14	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
15	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
16	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
17	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
18	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
19	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
20	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
21	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
22	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
23	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
24	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
25	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
26	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
27	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
28	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
29	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
30	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
31	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
32	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
33	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
34	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0
35	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	112.8800	0.0

FILE NUMBER = 10G
TITLE=CF--TOTAL BAQ,NAVY OFFICERS,FY82 (INCL W/DEP,W/O DEP, PARTIAL)

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
2	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
3	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
4	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
5	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
6	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
7	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
8	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
9	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
10	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
11	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
12	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
13	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
14	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
15	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
16	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
17	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
18	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
19	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
20	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
21	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
22	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
23	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
24	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
25	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
26	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
27	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
28	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
29	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
30	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
31	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
32	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
33	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
34	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0
35	173.6004	232.1697	291.1067	356.6953	411.4573	407.4138	302.4214	295.4509	387.2061	0.0

FILE NUMBER = 103
TITLE=CF--TOTAL VHA,NAVY OFFICER,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
2	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
3	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
4	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
5	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
6	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
7	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
8	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
9	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
10	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
11	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
12	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
13	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
14	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
15	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
16	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
17	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
18	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
19	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
20	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
21	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
22	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
23	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
24	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
25	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
26	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
27	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
28	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
29	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
30	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
31	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
32	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
33	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
34	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0
35	59.0700	51.2800	76.5400	113.7300	121.5700	113.1900	84.3600	69.6700	27.3800	0.0

FILE NUMBER = 106
TITLE=CF--CLOTHING MAINT ALLOW,FY82,NAVY ENLISTED

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	7.6569	7.6569	7.6569	7.6569	7.6569	7.6569	7.6569	7.6569	7.6569	7.6569
2	7.6569	7.6569	7.6569	7.6569	7.6569	7.6569	7.6569	7.6569	7.6569	7.6569
3	7.6569	7.6569	7.6569	7.6569	7.6569	7.6569	7.6569	7.6569	7.6569	7.6569
4	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
5	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
6	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
7	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
8	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
9	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
10	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
11	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
12	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
13	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
14	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
15	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
16	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
17	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
18	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
19	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
20	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
21	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
22	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
23	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
24	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
25	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
26	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
27	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
28	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
29	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
30	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
31	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
32	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
33	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
34	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824
35	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824	10.7824

FILE NUMBER = 112
TITLE=CF--SEPARATION PCS,NAVY OFFICER AND WARRANT,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
2	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
3	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
4	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
5	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
6	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
7	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
8	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
9	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
10	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
11	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
12	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
13	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
14	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
15	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
16	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
17	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
18	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
19	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
20	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
21	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
22	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
23	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
24	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
25	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
26	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
27	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
28	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
29	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
30	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
31	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
32	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
33	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
34	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000
35	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000	2308.0000

FILE NUMBER = 113
TITLE=CF--SEPARATION PCS,NAVY ENLISTED,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
2	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
3	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
4	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
5	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
6	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
7	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
8	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
9	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
10	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
11	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
12	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
13	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
14	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
15	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
16	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
17	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
18	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
19	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
20	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
21	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
22	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
23	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
24	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
25	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
26	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
27	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
28	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
29	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
30	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
31	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
32	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
33	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
34	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000
35	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000	883.0000

FILE NUMBER = 114
TITLE=CF--TERMINAL LEAVE,NAVY OFFICER,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
2	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
3	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
4	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
5	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
6	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
7	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
8	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
9	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
10	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
11	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
12	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
13	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
14	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
15	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
16	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
17	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
18	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
19	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
20	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
21	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
22	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
23	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
24	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
25	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
26	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
27	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
28	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
29	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
30	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
31	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
32	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
33	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
34	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0
35	627.0000	1599.0000	2057.0000	3374.0000	4784.0000	6339.0000	0.0	0.0	0.0	0.0

FILE NUMBER = 117
TITLE=CF--BAS,USMC ENLISTED,OCT 81 ($105.62)

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
2	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
3	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
4	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
5	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
6	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
7	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
8	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
9	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
10	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
11	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
12	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
13	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
14	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
15	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
16	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
17	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
18	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
19	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
20	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
21	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
22	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
23	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
24	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
25	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
26	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
27	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
28	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
29	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
30	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
31	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
32	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
33	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
34	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0
35	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	105.6200	0.0

FILE NUMBER = 127
TITLE=CF--TOTAL BAQ,USMC OFFICERS,FY82 (INCL W/DEP,W/O DEP,PRTL)

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
2	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
3	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
4	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
5	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
6	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
7	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
8	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
9	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
10	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
11	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
12	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
13	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
14	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
15	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
16	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
17	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
18	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
19	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
20	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
21	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
22	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
23	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
24	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
25	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
26	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
27	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
28	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
29	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
30	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
31	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
32	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
33	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
34	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0
35	94.2372	238.6530	272.6887	307.1550	362.0493	318.7183	352.3391	319.3074	349.2805	0.0

FILE NUMBER = 130
TITLE=CF--TOTAL VHA,USMC OFFICER,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
2	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
3	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
4	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
5	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
6	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
7	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
8	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
9	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
10	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
11	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
12	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
13	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
14	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
15	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
16	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
17	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
18	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
19	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
20	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
21	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
22	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
23	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
24	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
25	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
26	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
27	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
28	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
29	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
30	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
31	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
32	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
33	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
34	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0
35	18.1000	48.2700	63.5800	92.9000	103.3300	87.1300	75.9300	70.4800	84.1900	0.0

FILE NUMBER = 133
TITLE=CF--CLOTHING MAINT ALLOW(MONTHLY),FY82,USMC ENLISTED

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	9.3629	9.3629	9.3629	9.3629	9.3629	9.3629	9.3629	9.3629	9.3629	9.3629
2	9.3629	9.3629	9.3629	9.3629	9.3629	9.3629	9.3629	9.3629	9.3629	9.3629
3	9.3629	9.3629	9.3629	9.3629	9.3629	9.3629	9.3629	9.3629	9.3629	9.3629
4	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
5	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
6	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
7	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
8	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
9	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
10	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
11	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
12	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
13	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
14	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
15	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
16	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
17	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
18	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
19	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
20	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
21	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
22	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
23	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
24	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
25	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
26	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
27	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
28	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
29	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
30	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
31	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
32	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
33	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
34	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279
35	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279	13.5279

FILE NUMBER = 137
TITLE=CF--SEPARATION PCS,USMC OFFICER AND WARRANT,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
2	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
3	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
4	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
5	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
6	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
7	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
8	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
9	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
10	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
11	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
12	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
13	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
14	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
15	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
16	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
17	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
18	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
19	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
20	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
21	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
22	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
23	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
24	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
25	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
26	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
27	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
28	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
29	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
30	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
31	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
32	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
33	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
34	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000
35	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000	2525.0000

FILE NUMBER = 138
TITLE=CF--SEPARATION PCS,USMC ENLISTED,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
2	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
3	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
4	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
5	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
6	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
7	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
8	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
9	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
10	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
11	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
12	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
13	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
14	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
15	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
16	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
17	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
18	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
19	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
20	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
21	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
22	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
23	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
24	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
25	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
26	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
27	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
28	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
29	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
30	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
31	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
32	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
33	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
34	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000
35	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000	714.0000

H-278

FILE NUMBER = 139
TITLE=CF--TERMINAL LEAVE,USMC OFFICER,FY82

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
2	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
3	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
4	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
5	288.0000	[illegible].0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
6	288.0000	1[illegible].0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
7	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
8	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
9	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
10	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
11	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
12	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
13	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
14	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
15	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
16	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
17	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
18	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
19	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
20	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
21	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
22	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
23	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
24	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
25	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
26	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
27	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
28	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
29	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
30	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
31	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
32	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
33	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
34	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0
35	288.0000	1703.0000	2091.0000	3102.0000	3948.0000	5696.0000	0.0	0.0	0.0	0.0

FILE NUMBER = 199
TITLE=CF--BASIC PAY,ENL,OCT 81,E-8/9 GRADES FILLED IN,WEIGHTED RATES IN E3

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	551.3999	618.3000	593.0547	682.2000	731.3999	833.1001	968.7000	1387.5000	1653.8999	0.0
2	551.3999	618.3000	634.3950	682.2000	731.3999	833.1001	968.7000	1387.5000	1653.8999	0.0
3	551.3999	618.3000	665.4448	720.3000	796.2000	908.3999	1045.5000	1387.5000	1653.8999	0.0
4	551.3999	618.3000	674.9624	762.3000	834.6001	946.5000	1084.5000	1387.5000	1653.8999	0.0
5	551.3999	618.3000	695.8872	821.7000	870.8999	986.3999	1122.0000	1387.5000	1653.8999	0.0
6	551.3999	618.3000	695.8872	821.7000	870.8999	986.3999	1122.0000	1387.5000	1653.8999	0.0
7	551.3999	618.3000	695.8872	854.3999	927.8999	1023.0000	1160.7000	1387.5000	1653.8999	0.0
8	551.3999	618.3000	695.8872	854.3999	927.8999	1023.0000	1160.7000	1387.5000	1653.8999	0.0
9	551.3999	618.3000	695.8872	854.3999	965.7000	1060.5000	1197.3000	1387.5000	1653.8999	0.0
10	551.3999	618.3000	695.8872	854.3999	965.7000	1060.5000	1197.3000	1387.5000	1653.8999	0.0
11	551.3999	618.3000	695.8872	854.3999	1004.3999	1099.2000	1236.0000	1426.6001	1653.8999	0.0
12	551.3999	618.3000	695.8872	854.3999	1004.3999	1099.2000	1236.0000	1426.6001	1653.8999	0.0
13	551.3999	618.3000	695.8872	854.3999	1041.3000	1155.8999	1274.1001	1464.3000	1691.3999	0.0
14	551.3999	618.3000	695.8872	854.3999	1041.3000	1155.8999	1274.1001	1464.3000	1691.3999	0.0
15	551.3999	618.3000	695.8872	854.3999	1060.5000	1192.2000	1331.7000	1502.7000	1729.8000	0.0
16	551.3999	618.3000	695.8872	854.3999	1060.5000	1192.2000	1331.7000	1502.7000	1729.8000	0.0
17	551.3999	618.3000	695.8872	854.3999	1060.5000	1230.6001	1369.5000	1542.0000	1769.7000	0.0
18	551.3999	618.3000	695.8872	854.3999	1060.5000	1230.6001	1369.5000	1542.0000	1769.7000	0.0
19	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1408.2000	1577.7000	1809.0000	0.0
20	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1408.2000	1577.7000	1809.0000	0.0
21	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1426.5000	1616.3999	1844.1001	0.0
22	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1426.5000	1616.3999	1844.1001	0.0
23	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1522.2000	1711.5000	1941.3000	0.0
24	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1522.2000	1711.5000	1941.3000	0.0
25	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1522.2000	1711.5000	1941.3000	0.0
26	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1522.2000	1711.5000	1941.3000	0.0
27	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1711.5000	1902.3000	2130.0000	0.0
28	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1711.5000	1902.3000	2130.0000	0.0
29	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1711.5000	1902.3000	2130.0000	0.0
30	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1711.5000	1902.3000	2130.0000	0.0
31	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1711.5000	1902.3000	2130.0000	0.0
32	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1711.5000	1902.3000	2130.0000	0.0
33	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1711.5000	1902.3000	2130.0000	0.0
34	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1711.5000	1902.3000	2130.0000	0.0
35	551.3999	618.3000	695.8872	854.3999	1060.5000	1249.2000	1711.5000	1902.3000	2130.0000	0.0

FILE NUMBER = 201
TITLE=CF--TOTAL BAQ,ARMY ENL,FY82,E1-E3 WEIGTHED IN E3 COLUMN

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	33.3738	43.6155	42.1206	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
2	33.3738	43.6155	55.5591	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
3	33.3738	43.6155	56.3376	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
4	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
5	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
6	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
7	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
8	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
9	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
10	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
11	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
12	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
13	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
14	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
15	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
16	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
17	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
18	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
19	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
20	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
21	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
22	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
23	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
24	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
25	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
26	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
27	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
28	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
29	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
30	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
31	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
32	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
33	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
34	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0
35	33.3738	43.6155	54.0125	88.9487	129.7153	154.5868	178.5525	204.8017	227.1437	0.0

FILE NUMBER = 202
TITLE=CF--TOTAL BAQ,NAVY ENL,FY82,E1-E3 WEIGHTED INTO E3 COLUMN

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	24.2772	37.3506	36.0153	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
2	24.2772	37.3506	54.8877	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
3	24.2772	37.3506	56.0246	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
4	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
5	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
6	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
7	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
8	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
9	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
10	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
11	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
12	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
13	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
14	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
15	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
16	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
17	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
18	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
19	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
20	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
21	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
22	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
23	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
24	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
25	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
26	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
27	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
28	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
29	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
30	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
31	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
32	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
33	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
34	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0
35	24.2772	37.3506	52.7703	94.4742	141.9612	182.8869	213.5289	247.3338	295.0344	0.0

H-282

FILE NUMBER = 203
TITLE=CF--TOTAL BAQ,USMC ENL,FY82,E1-E3 WEIGHTED INTO E3 COLUMN

H-283

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	19.1145	29.6208	27.1759	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
2	19.1145	29.6208	38.2275	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
3	19.1145	29.6208	38.7982	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
4	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
5	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
6	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
7	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
8	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
9	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
10	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
11	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
12	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
13	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
14	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
15	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
16	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
17	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
18	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
19	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
20	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
21	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
22	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
23	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
24	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
25	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
26	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
27	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
28	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
29	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
30	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
31	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
32	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
33	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
34	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0
35	19.1145	29.6208	36.8687	80.0445	135.9582	171.1794	200.3157	235.9386	273.2959	0.0

FILE NUMBER = 204
TITLE=CF--TOTAL BAQ,USAF ENL,FY82,E3 COLUMN HAS WEIGHTED E1-E3 RATES

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	29.0744	41.7068	41.8829	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
2	29.0744	41.7068	64.5180	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
3	29.0744	41.7068	65.9831	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
4	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
5	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
6	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
7	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
8	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
9	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
10	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
11	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
12	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
13	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
14	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
15	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
16	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
17	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
18	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
19	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
20	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
21	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
22	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
23	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
24	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
25	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
26	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
27	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
28	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
29	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
30	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
31	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
32	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
33	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
34	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0
35	29.0744	41.7068	62.1054	112.1748	133.1786	152.6407	175.7171	195.0937	228.7879	0.0

FILE NUMBER = 205
TITLE=CF--FICA MONTHLY FOR ENLISTED, FY82, E3 COLUMN CONTAINS WEIGHTED E1-E3

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	36.8601	41.3323	39.6447	45.6039	48.8928	55.6913	64.7559	92.7519	110.5603	0.0
2	36.8601	41.3323	42.4082	45.6039	48.8928	55.6913	64.7559	92.7519	110.5603	0.0
3	36.8601	41.3323	44.4838	48.1508	53.2246	60.7249	69.8898	92.7519	110.5603	0.0
4	36.8601	41.3323	45.1200	50.9584	55.7915	63.2719	72.4969	92.7519	110.5603	0.0
5	36.8601	41.3323	46.5189	54.9292	58.2181	65.9391	75.0037	92.7519	110.5603	0.0
6	36.8601	41.3323	46.5189	54.9292	58.2181	65.9391	75.0037	92.7519	110.5603	0.0
7	36.8601	41.3323	46.5189	57.1151	62.0285	68.3857	77.5907	92.7519	110.5603	0.0
8	36.8601	41.3323	46.5189	57.1151	62.0285	68.3857	77.5907	92.7519	110.5603	0.0
9	36.8601	41.3323	46.5189	57.1151	64.5553	70.8925	80.0374	92.7519	110.5603	0.0
10	36.8601	41.3323	46.5189	57.1151	64.5553	70.8925	80.0374	92.7519	110.5603	0.0
11	36.8601	41.3323	46.5189	57.1151	67.1423	73.4796	82.6244	95.3657	110.5603	0.0
12	36.8601	41.3323	46.5189	57.1151	67.1423	73.4796	82.6244	95.3657	110.5603	0.0
13	36.8601	41.3323	46.5189	57.1151	69.6091	77.2699	85.1714	97.8859	113.0671	0.0
14	36.8601	41.3323	46.5189	57.1151	69.6091	77.2699	85.1714	97.8859	113.0671	0.0
15	36.8601	41.3323	46.5189	57.1151	70.8925	79.6964	89.0218	100.4528	115.6341	0.0
16	36.8601	41.3323	46.5189	57.1151	70.8925	79.6964	89.0218	100.4528	115.6341	0.0
17	36.8601	41.3323	46.5189	57.1151	70.8925	82.2634	91.5487	103.0800	118.3013	0.0
18	36.8601	41.3323	46.5189	57.1151	70.8925	82.2634	91.5487	103.0800	118.3013	0.0
19	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	94.1357	105.4664	120.9285	0.0
20	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	94.1357	105.4664	120.9285	0.0
21	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	95.3590	108.0535	123.2748	0.0
22	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	95.3590	108.0535	123.2748	0.0
23	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	101.7564	114.4108	129.7725	0.0
24	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	101.7564	114.4108	129.7725	0.0
25	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	101.7564	114.4108	129.7725	0.0
26	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	101.7564	114.4108	129.7725	0.0
27	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	114.4108	127.1654	142.3867	0.0
28	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	114.4108	127.1654	142.3867	0.0
29	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	114.4108	127.1654	142.3867	0.0
30	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	114.4108	127.1654	142.3867	0.0
31	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	114.4108	127.1654	142.3867	0.0
32	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	114.4108	127.1654	142.3867	0.0
33	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	114.4108	127.1654	142.3867	0.0
34	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	114.4108	127.1654	142.3867	0.0
35	36.8601	41.3323	46.5189	57.1151	70.8925	83.5068	114.4108	127.1654	142.3867	0.0

FILE NUMBER = 206
TITLE=CF--TOTAL VHA,ARMY ENL,FY82--E1-E3 WEIGHTED INTO E3

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	2.7100	6.8600	5.8725	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
2	2.7100	6.8600	10.1725	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
3	2.7100	6.8600	10.3925	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
4	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
5	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
6	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
7	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
8	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
9	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
10	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
11	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
12	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
13	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
14	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
15	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
16	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
17	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
18	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
19	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
20	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
21	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
22	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
23	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
24	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
25	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
26	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
27	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
28	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
29	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
30	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
31	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
32	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
33	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
34	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0
35	2.7100	6.8600	9.6412	11.2000	22.8900	26.7500	40.1800	49.9500	56.3700	0.0

FILE NUMBER = 207
TITLE=CF--TOTAL VHA,NAVY ENL,FY82,E3 COLUMN CONTAINS WEIGHTED E1-E3 RATES

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	5.5100	9.9300	10.8210	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
2	5.5100	9.9300	21.2290	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
3	5.5100	9.9300	21.9490	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
4	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
5	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
6	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
7	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
8	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
9	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
10	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
11	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
12	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
13	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
14	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
15	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
16	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
17	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
18	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
19	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
20	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
21	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
22	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
23	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
24	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
25	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
26	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
27	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
28	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
29	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
30	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
31	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
32	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
33	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
34	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0
35	5.5100	9.9300	20.1775	26.2100	41.9800	61.9800	79.0100	88.6800	98.4200	0.0

FILE NUMBER = 209
TITLE=CF--TOTAL VHA,AF ENL,FY82,E3 COLUMN HAS WEIGHTED E1-E3 RATES

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	5.2800	7.7000	9.5330	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
2	5.2800	7.7000	19.2670	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
3	5.2800	7.7000	19.9975	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
4	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
5	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
6	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
7	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
8	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
9	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
10	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
11	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
12	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
13	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
14	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
15	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
16	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
17	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
18	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
19	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
20	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
21	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
22	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
23	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
24	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
25	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
26	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
27	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
28	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
29	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
30	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
31	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
32	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
33	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
34	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0
35	5.2800	7.7000	18.3550	21.9700	30.8900	39.0400	51.6400	56.2900	57.4100	0.0

FILE NUMBER = 210
TITLE=CF--TERM LV,ARMY ENL,FY82,E3 COLUMN HAS E1-E3 RATES

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	171.0000	309.0000	283.0999	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
2	171.0000	309.0000	446.8999	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
3	171.0000	309.0000	455.9500	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
4	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
5	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
6	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
7	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
8	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
9	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
10	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
11	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
12	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
13	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
14	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
15	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
16	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
17	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
18	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
19	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
20	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
21	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
22	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
23	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
24	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
25	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
26	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
27	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
28	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
29	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
30	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
31	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
32	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
33	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
34	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0
35	171.0000	309.0000	427.5000	575.0000	750.0000	1078.0000	1296.0000	1590.0000	2288.0000	0.0

FILE NUMBER = 211
TITLE=CF--TERM LV, NAVY ENL, FY82, E3 COLUMN HAS WEIGHTED E1-E3 RATES

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	225.0000	350.0000	303.3499	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
2	225.0000	350.0000	382.1497	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
3	225.0000	350.0000	384.5498	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
4	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
5	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
6	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
7	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
8	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
9	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
10	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
11	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
12	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
13	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
14	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
15	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
16	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
17	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
18	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
19	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
20	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
21	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
22	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
23	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
24	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
25	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
26	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
27	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
28	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
29	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
30	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
31	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
32	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
33	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
34	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0
35	225.0000	350.0000	370.3750	485.0000	588.0000	897.0000	1201.0000	1404.0000	1935.0000	0.0

FILE NUMBER = 212
TITLE=CF--TERM LV,USMC ENL,FY82,E3 COLUMN HAS WEIGHTED E1-E3 RATES

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	153.0000	227.0000	210.9000	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
2	153.0000	227.0000	292.0999	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
3	153.0000	227.0000	296.3997	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
4	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
5	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
6	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
7	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
8	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
9	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
10	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
11	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
12	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
13	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
14	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
15	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
16	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
17	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
18	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
19	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
20	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
21	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
22	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
23	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
24	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
25	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
26	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
27	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
28	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
29	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
30	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
31	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
32	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
33	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
34	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0
35	153.0000	227.0000	282.2500	418.0000	717.0000	1348.0000	1904.0000	1544.0000	3267.0000	0.0

FILE NUMBER = 213
TITLE=CF--TERM LV,USAF ENL,FY82,E3 COLUMN HAS WEIGHTED E1-E3 RATES

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	205.0000	326.0000	282.5498	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
2	205.0000	326.0000	363.9497	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
3	205.0000	326.0000	366.6997	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
4	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
5	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
6	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
7	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
8	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
9	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
10	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
11	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
12	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
13	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
14	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
15	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
16	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
17	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
18	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
19	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
20	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
21	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
22	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
23	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
24	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
25	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
26	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
27	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
28	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
29	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
30	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
31	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
32	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
33	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
34	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0
35	205.0000	326.0000	352.1250	473.0000	752.0000	953.0000	718.0000	1102.0000	1356.0000	0.0

FILE NUMBER = 215
TITLE=CF--ENL DIS SEV PAY ,E3 COL HAS WEIGHTED E1-E3 RATES

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	1102.7998	1236.6001	1186.1096	1364.3999	1462.7998	1666.2002	1937.3999	2775.0000	3307.7998	0.0
2	2205.5996	2473.2002	2537.5798	2728.7998	2925.5996	3332.4004	3874.7998	5550.0000	6615.5977	0.0
3	3308.3994	3709.8003	3992.6697	4321.7969	4777.1992	5450.3984	6273.0000	8325.0000	9923.3984	0.0
4	4411.1992	4946.3984	5399.6992	6098.3984	6676.8008	7572.0000	8676.9000	11100.0000	13231.1992	0.0
5	5513.9961	6183.0000	6958.8672	8216.9961	8708.9961	9863.9961	11220.0000	13875.0000	16538.9961	0.0
6	6616.7969	7419.5977	8350.6445	9860.3984	10450.7969	11836.7969	13464.0000	16650.0000	19846.7969	0.0
7	7719.5977	8656.1992	9742.4180	11961.5977	12990.5977	14322.0000	16249.7969	19425.0000	23154.5977	0.0
8	8822.3984	9892.8008	11134.1953	13670.3984	14846.3984	16368.0000	18571.1992	22200.0000	26462.3984	0.0
9	9925.1953	11129.3984	12525.9687	15379.1953	17382.5977	19089.0000	21551.3984	24975.0000	29770.1953	0.0
10	11027.9961	12366.0000	13917.7422	17087.9961	19313.9961	21210.0000	23946.0000	27750.0000	33077.9961	0.0
11	12130.7969	13602.5977	15309.5195	18796.7969	22096.7969	24182.3984	27192.0000	31385.1992	36385.7969	0.0
12	13233.5977	14839.1992	16701.2930	20505.5977	24105.5977	26380.7969	29664.0000	34238.4023	39693.5977	0.0
13	13233.5977	14839.1992	16701.2930	20505.5977	24991.1992	27741.5977	30578.4023	35143.1992	40593.5977	0.0
14	13233.5977	14839.1992	16701.2930	20505.5977	24991.1992	27741.5977	30578.4023	35143.1992	40593.5977	0.0
15	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	28612.7969	31960.7969	36064.7969	41515.1992	0.0
16	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	28612.7969	31960.7969	36064.7969	41515.1992	0.0
17	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29534.4023	32868.0000	37008.0000	42472.7969	0.0
18	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29534.4023	32868.0000	37008.0000	42472.7969	0.0
19	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	33796.7969	37864.7969	43416.0000	0.0
20	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	33796.7969	37864.7969	43416.0000	0.0
21	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	34236.0000	38793.5977	44258.4023	0.0
22	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	34236.0000	38793.5977	44258.4023	0.0
23	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	36532.7969	41076.0000	46591.1992	0.0
24	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	36532.7969	41076.0000	46591.1992	0.0
25	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	36532.7969	41076.0000	46591.1992	0.0
26	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	36532.7969	41076.0000	46591.1992	0.0
27	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	41076.0000	45655.1992	51120.0000	0.0
28	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	41076.0000	45655.1992	51120.0000	0.0
29	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	41076.0000	45655.1992	51120.0000	0.0
30	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	41076.0000	45655.1992	51120.0000	0.0
31	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	41076.0000	45655.1992	51120.0000	0.0
32	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	41076.0000	45655.1992	51120.0000	0.0
33	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	41076.0000	45655.1992	51120.0000	0.0
34	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	41076.0000	45655.1992	51120.0000	0.0
35	13233.5977	14839.1992	16701.2930	20505.5977	25452.0000	29980.7969	41076.0000	45655.1992	51120.0000	0.0

FILE NUMBER = 777
TITLE=CF--TOTAL VIIA,USMC ENLISTED (CORRECTED)

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
2	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
3	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
4	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
5	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
6	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
7	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
8	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
9	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
10	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
11	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
12	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
13	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
14	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
15	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
16	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
17	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
18	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
19	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
20	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
21	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
22	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
23	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
24	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
25	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
26	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
27	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
28	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
29	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
30	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
31	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
32	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
33	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
34	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0
35	2.9700	5.8800	14.0200	20.1900	37.5400	57.2600	68.3600	78.9500	85.4900	0.0

FILE NUMBER = 788
TITLE=CF--OFF DISBDISABILITY RETIRED PAY CURRENT SYSTEM HIGH-0 57% MINIMUM

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	331165.437	381470.187	437511.125	470797.000	558525.062	698335.625	942143.875	1133864.00	1251867.00	1308848.00
2	326008.625	375530.250	430698.187	463465.812	549827.937	687461.375	927475.250	1116209.00	1232378.00	1288472.00
3	333935.750	403620.062	473850.750	555285.500	635445.000	743375.437	974830.750	1131325.00	1244549.00	1267959.00
4	397048.625	476978.187	498304.937	582804.625	668192.562	779034.562	958960.375	1139338.00	1247317.00	1247317.00
5	390435.625	484806.687	542169.437	573097.625	657063.875	766059.062	942988.437	1120360.00	1226542.00	1226542.00
6	383780.750	476543.000	532928.187	563329.312	645866.437	753000.000	926916.562	1101266.00	1205634.00	1205634.00
7	377083.062	478013.062	548647.437	563625.312	634600.000	739858.625	951502.437	1082045.00	1184593.00	1184593.00
8	370343.062	469469.250	538841.125	553550.875	623257.187	726636.687	934498.250	1062705.00	1163420.00	1163420.00
9	363560.000	460870.875	548089.187	567535.000	611842.000	713328.812	917380.250	1121028.00	1142114.00	1142114.00
10	356733.812	452217.250	537798.375	556878.937	600353.812	699934.250	900155.750	1099976.00	1120668.00	1120668.00
11	349864.187	443509.062	555788.187	583344.812	606716.875	686456.812	934064.937	1078794.00	1099087.00	1099087.00
12	342949.937	434744.187	544804.437	571816.312	594726.312	672889.625	915604.250	1057474.00	1077367.00	1077367.00
13	335992.375	425924.375	560216.062	591760.437	613902.250	659239.500	897033.000	1055510.00	1055510.00	1055510.00
14	329057.562	417133.625	548653.000	579546.437	601231.312	645635.437	878514.937	1033727.12	1033727.12	1033727.12
15	322109.250	408324.875	550298.062	593260.750	627936.250	653444.500	902855.062	1011897.12	1011897.12	1011897.12
16	315179.062	399540.312	538458.875	580496.937	614426.375	639393.375	883431.000	990125.250	990125.250	990125.250
17	308201.312	390694.750	526537.687	592476.687	645821.625	724203.687	950328.500	968205.875	968205.875	968205.875
18	301205.875	381827.187	514586.750	579029.250	631167.812	707767.875	928758.937	946228.375	946228.375	946228.375
19	294191.562	372935.187	502603.062	581214.000	651850.125	726606.625	924193.562	924193.562	924193.562	924193.562
20	287157.187	364017.812	490585.375	567316.375	636270.625	709233.250	902094.000	902094.000	902094.000	902094.000
21	280129.125	355108.687	478578.375	553431.500	639411.500	705857.937	880016.562	880016.562	880016.562	880016.562
22	273105.062	346204.687	466578.500	539555.000	623378.937	689133.750	857953.687	857953.687	857953.687	857953.687
23	268416.125	340260.500	458567.812	530291.062	634120.312	716617.062	843222.812	843222.812	843222.812	843222.812
24	272719.312	345715.750	465919.625	538793.000	644284.375	728106.375	856739.000	856739.000	856739.000	856739.000
25	276431.562	350421.500	472261.562	546126.687	653051.250	738015.375	868400.312	868400.312	868400.312	868400.312
26	279550.562	354375.375	477590.062	552288.625	660419.750	746346.062	878198.750	878198.750	878198.750	878198.750
27	282102.750	357610.437	481950.000	557330.625	666447.000	816821.437	886217.875	886217.875	886217.875	886217.875
28	284086.625	360125.437	485339.375	561250.062	671133.687	822566.062	892450.375	892450.375	892450.375	892450.375
29	285499.375	361916.437	487753.187	564041.312	674470.500	826657.937	896891.250	896891.250	896891.250	896891.250
30	286367.500	363016.687	489236.187	565756.250	676521.937	829173.312	899615.937	899615.937	899615.937	899615.937
31	277439.687	351699.750	473984.000	548118.625	655432.062	803321.187	871569.812	871569.812	871569.812	871569.812
32	268579.812	340468.187	458847.437	530614.437	634507.000	777669.375	843736.437	843736.437	843736.437	843736.437
33	259778.437	329310.812	443810.687	513225.937	613714.000	752182.250	816089.687	816089.687	816089.687	816089.687
34	251025.500	318215.187	428856.875	495933.375	593035.562	726840.062	788591.000	788591.000	788591.000	788591.000
35	242361.000	307231.687	414054.812	478816.000	572566.562	701752.312	761371.187	761371.187	761371.187	761371.187

FILE NUMBER = 790
TITLE=CF--ENL DISBD!SABILITY RETIRED PAY CURRENT SYSTEM HIGH-O 57% MINIMUM

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	171094.375	191853.000	199393.062	211680.562	226946.937	258503.875	300579.812	430530.750	513192.750	0.0
2	168579.937	189033.312	196462.812	208569.875	223611.687	254704.875	296162.500	424203.625	505650.937	0.0
3	166046.562	186192.937	204080.312	216909.000	239765.500	273553.187	314839.437	417829.187	498052.437	0.0
4	163494.375	183330.812	209038.312	226028.375	247466.187	280645.625	321564.000	411407.000	490397.125	0.0
5	160923.125	180447.375	213893.187	239809.125	254168.062	287876.187	327450.875	404936.437	482684.250	0.0
6	158332.250	177542.500	210449.687	235948.437	250076.000	283241.812	322179.312	398417.125	474913.625	0.0
7	155722.437	174615.687	206980.562	241293.937	262051.500	288909.187	327797.750	391849.687	467085.000	0.0
8	153093.187	171667.687	203485.875	237220.062	257627.250	284031.437	322263.500	385233.812	459198.812	0.0
9	150443.750	168696.812	199964.562	233114.687	263482.312	289347.625	326672.500	378567.000	451252.187	0.0
10	147774.750	165704.187	196416.937	228979.312	258807.812	284214.625	320877.250	371851.125	443247.000	0.0
11	145085.937	162689.062	192843.062	224812.750	264281.500	289225.812	325221.625	375373.375	435181.500	0.0
12	142376.875	159651.062	189242.312	220615.062	259346.875	283825.500	319149.125	368364.375	427056.062	0.0
13	139647.437	156590.625	185614.312	216385.500	263720.500	292744.375	322679.812	370850.437	428366.250	0.0
14	136897.687	153507.250	181959.437	212125.125	258527.687	286980.187	316326.250	363548.375	419931.687	0.0
15	134127.562	150401.125	178277.500	207832.750	257966.687	290003.250	323936.562	365532.437	420775.062	0.0
16	131336.312	147270.875	174567.625	203507.500	252598.250	283967.812	317195.187	357925.562	412018.375	0.0
17	128524.375	144118.125	170830.125	199150.812	247190.562	286859.125	319215.375	359423.375	412497.937	0.0
18	125691.062	140941.187	167064.312	194760.562	241741.375	280516.250	312178.625	351500.375	403404.875	0.0
19	122837.125	137740.750	163270.937	190337.875	236252.125	278289.812	313711.250	351471.625	402999.375	0.0
20	119961.812	134516.500	159448.812	185882.562	230722.062	271775.500	306367.937	343244.375	393566.250	0.0
21	117064.687	131267.937	155598.125	181393.562	225149.875	265212.250	302854.187	343171.187	391513.375	0.0
22	114145.750	127995.062	151718.687	176870.562	219536.187	258599.500	295302.937	334614.875	381751.875	0.0
23	112192.250	125804.375	149122.187	173843.812	215779.062	254174.000	309721.062	348238.250	394995.875	0.0
24	113986.812	127816.625	151507.187	176624.187	219230.187	258239.000	314674.750	353807.750	401313.125	0.0
25	115522.812	129539.125	153549.062	179004.500	222184.625	261719.312	318915.500	358575.937	406721.562	0.0
26	116822.937	130997.062	155277.250	181019.062	224685.250	264664.625	322504.812	362611.625	411298.812	0.0
27	117898.750	132203.312	156707.062	182686.250	226754.062	267101.875	365950.750	406747.437	455434.125	0.0
28	118750.750	133158.625	157839.437	184006.000	228392.937	269032.125	368595.000	409686.812	458725.437	0.0
29	119378.937	133863.062	158674.312	184979.562	229600.562	270454.937	370544.625	411853.500	461151.250	0.0
30	119794.312	134329.000	159226.750	185623.562	230400.125	271396.562	371834.625	413287.500	462757.000	0.0
31	116126.000	130215.375	154350.625	179939.000	223344.625	263085.562	360447.875	400631.000	448585.687	0.0
32	112509.187	126159.937	149543.437	174335.000	216388.750	254892.125	349222.062	388153.875	434615.000	0.0
33	108961.875	122181.937	144828.000	168837.937	209565.625	246854.687	338210.562	375914.625	420911.000	0.0
34	105487.812	118286.625	140210.875	163455.062	202884.187	238984.750	327427.625	363929.875	407491.375	0.0
35	102091.750	114478.312	135696.687	158192.687	196352.375	231290.500	316886.312	352213.250	394372.187	0.0

FILE NUMBER = 794
TITLE=CF--OFF NDIS--CURRENT SYSTEM,TERM PAY, USING MY

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
2	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
3	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
4	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
5	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
6	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
7	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
8	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
9	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
10	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
11	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
12	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
13	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
14	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
15	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
16	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
17	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
18	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
19	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
20	251891.937	319313.625	430337.812	497645.812	558131.812	622142.500	791312.125	791312.125	791312.125	791312.125
21	258013.437	327073.500	440795.750	509739.562	588931.562	651056.937	810544.687	810544.687	810544.687	810544.687
22	263522.375	334057.062	450207.375	520623.062	601505.937	664956.500	827846.812	827846.812	827846.812	827846.812
23	268416.125	340260.500	458567.812	530291.062	634120.312	716617.062	843222.812	843222.812	843222.812	843222.812
24	272719.312	345715.750	465919.625	538793.000	644284.375	728106.375	856739.000	856739.000	856739.000	856739.000
25	276431.562	350421.500	472261.562	546126.687	653051.250	738015.375	868400.312	868400.312	868400.312	868400.312
26	279550.562	354375.375	477590.062	552288.625	660419.750	746346.062	878198.750	878198.750	878198.750	878198.750
27	282102.750	357610.437	481950.000	557330.625	666447.000	816821.437	886217.875	886217.875	886217.875	886217.875
28	284086.625	360125.437	485339.375	561250.062	671133.687	822566.062	892450.375	892450.375	892450.375	892450.375
29	285499.375	361916.437	487753.187	564041.312	674470.500	826657.937	896891.250	896891.250	896891.250	896891.250
30	286367.500	363016.687	489236.187	565756.250	676521.937	829173.312	899615.937	899615.937	899615.937	899615.937
31	277439.687	351699.750	473984.000	548118.625	655432.062	803321.187	871569.812	871569.812	871569.812	871569.812
32	268579.812	340468.187	458847.437	530614.437	634507.000	777669.375	843736.437	843736.437	843736.437	843736.437
33	259778.437	329310.812	443810.687	513225.937	613714.000	752182.250	816089.687	816089.687	816089.687	816089.687
34	251025.500	318215.187	428856.875	495933.375	593035.562	726840.062	788591.000	788591.000	788591.000	788591.000
35	242361.000	307231.687	414054.812	478816.000	572566.562	701752.312	761371.187	761371.187	761371.187	761371.187

FILE NUMBER = 796
TITLE=CF--ENL NDIS--CURRENT SYSTEM,TERM PAY, USING MY

YOS	GRD 01	GRD 02	GRD 03	GRD 04	GRD 05	GRD 06	GRD 07	GRD 08	GRD 09	GRD 10
1	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
2	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
3	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
4	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
5	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
6	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
7	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
8	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
9	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
10	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
11	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
12	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
13	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
14	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
15	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
16	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
17	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
18	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
19	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
20	105229.375	117996.937	139867.187	163054.625	202387.500	238399.500	268743.625	301091.312	345233.187	0.0
21	107822.562	120904.750	143314.062	167073.000	207374.750	244274.187	278944.375	316078.625	360604.437	0.0
22	110140.562	123503.875	146395.125	170664.750	211833.125	249525.812	284941.687	322873.937	368357.062	0.0
23	112192.250	125804.375	149122.187	173843.812	215779.062	254174.000	309721.062	348238.250	394995.875	0.0
24	113986.812	127816.625	151507.187	176624.187	219230.187	258239.000	314674.750	353807.750	401313.125	0.0
25	115522.812	129539.125	153549.062	179004.500	222184.625	261719.312	318915.500	358575.937	406721.562	0.0
26	116822.937	130997.062	155277.250	181019.062	224685.250	264664.625	322504.812	362611.625	411298.812	0.0
27	117898.750	132203.312	156707.062	182686.250	226754.062	267101.875	365950.750	406747.437	455434.125	0.0
28	118750.750	133158.625	157839.437	184006.000	228392.937	269032.125	368595.000	409686.812	458725.437	0.0
29	119378.937	133863.062	158674.312	184979.562	229600.562	270454.937	370544.625	411853.500	461151.250	0.0
30	119794.312	134329.000	159226.750	185623.562	230400.125	271396.562	371834.625	413287.500	462757.000	0.0
31	116126.000	130215.375	154350.625	179939.000	223344.625	263085.562	360447.875	400631.000	448585.687	0.0
32	112509.187	126159.937	149543.437	174335.000	216388.750	254892.125	349222.062	388153.875	434615.000	0.0
33	108961.875	122181.937	144828.000	168837.937	209565.625	246854.687	338210.562	375914.625	420911.000	0.0
34	105487.812	118286.625	140210.875	163455.062	202884.187	238984.750	327427.625	363929.875	407491.375	0.0
35	102091.750	114478.312	135696.687	158192.687	196352.375	231290.500	316886.312	352213.250	394372.187	0.0

```
&CONTROL OFF
FILEDEF 2 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 6 TERMINAL ( RECFM F LRECL 130 BLKSIZE 131 PERM
FILEDEF 30 DISK COST DATABASE  A1 ( XTENT 54001
CFREPORT
&EXIT
```

```
      DIMENSION ITTLE(17),COST(35,10)                                    CFR00010
C                                                                        CFR00020
C ***** THIS ROUTINE IS USED TO REPORT THE CONTENTS OF THE COST           CFR00030
C ***** FILE DATABASE                                                    CFR00040
C                                                                        CFR00050
      DEFINE FILE 30(54001,17,U,ID)                                      CFR00060
      ID=1                                                               CFR00070
      READ(30'ID) INUM                                                   CFR00080
C                                                                        CFR00090
150   CALL DISPCL                                                        CFR00100
      WRITE(6,101) INUM                                                  CFR00110
101    FORMAT(1X,'COST DATABASE CURRENTLY CONTAINS ',I5,' ACTIVE FILES')CFR00120
50    CONTINUE                                                           CFR00130
C                                                                        CFR00140
      WRITE(6,102)                                                       CFR00150
102   FORMAT(1X,'PLEASE ENTER REPORT OPTION DESIRED',/,                  CFR00160
     1       1X,'1=NAMES OF FILES',/,' 2=CONTENTS OF FILES',/,           CFR00170
     2 1X,' 3=CONTENTS OF INDIVIDUAL FILE',/,1X,' 4=FINISHED',/,         CFR00180
     3 1X,' YOUR CHOICE???')                                             CFR00190
      READ(5,*) ICH                                                     CFR00200
      IF(ICH.LT.1.OR.ICH.GT.4)GO TO 50                                   CFR00210
      IF(ICH.EQ.4)GO TO 9000                                             CFR00220
200   WRITE(6,119)                                                       CFR00230
119   FORMAT(1X,'OUTPUT TO PRINTER OR TERMINAL? ( 0 OR 1)??')            CFR00240
      READ(5,*) INP                                                      CFR00250
      IF(INP.LT.0.OR.INP.GT.1)GO TO 200                                  CFR00260
      IO=(4*INP)+2                                                       CFR00270
C                                                                        CFR00280
      GO TO (1000,2000,2000,9000),ICH                                    CFR00290
C                                                                        CFR00300
C ***** REPORT NAMES OF ACTIVE FILES ******                             CFR00310
C                                                                        CFR00320
1000  CONTINUE                                                           CFR00330
110   FORMAT(1H1,////////,' NAMES OF COST FILES',/,                      CFR00340
     1' NUMBER OF CURRENTLY ACTIVE FILES IS ',I5,//)                     CFR00350
      ID=-33                                                             CFR00360
      DO 1001 I=1,INUM                                                   CFR00370
      READ(30'ID+35) ITTLE                                               CFR00380
      IF (MOD(I,50).EQ.1)  WRITE(IO,110) INUM                            CFR00390
      WRITE(IO,112) I,ITTLE                                              CFR00400
112   FORMAT(' FILE=',I4,' TITLE=',17A4)                                 CFR00410
1001  CONTINUE                                                           CFR00420
C                                                                        CFR00430
      WRITE(IO,116)                                                      CFR00440
116   FORMAT(//,' *** END OF COST DATABASE NAME INDEX ***')              CFR00450
      GO TO 150                                                          CFR00460
```

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C                                                                       CFR00470
C ******* DUMP THE CONTENTS OF ACTIVE FILES ******                      CFR00480
C                                                                       CFR00490
2000  WRITE(6,117)                                                      CFR00500
117   FORMAT(1X,' WHICH FILE TO BEGIN PRINTING FROM??')                 CFR00510
      READ(5,*) IB                                                      CFR00520
       ID=(IB*36)-34                                                    CFR00530
      IE=INUM                                                           CFR00540
      IF(ICH.EQ.3) IE=IB                                                CFR00550
      DO 2010 I=IB,IE                                                   CFR00560
      READ(30'ID) ITTLE                                                 CFR00570
      DO 2001 J=1,35                                                    CFR00580
      READ(30'ID) (COST(J,K),K=1,10)                                    CFR00590
2001  CONTINUE                                                          CFR00600
      WRITE(IO,114) I,ITTLE                                             CFR00610
114   FORMAT(1H1,///////////////,' FILE NUMBER =',I4,/,1X,               CFR00620
     1'TITLE=',17A4,//,                                                 CFR00630
     1' YOS         GRD 01      GRD 02      GRD 03      GRD 04',       CFR00640
     1'      GRD 05',                                                   CFR00650
     1'      GRD 06      GRD 07      GRD 08      GRD 09      GRD 10',/) CFR00660
      DO 2002 IY=1,35                                                   CFR00670
      WRITE(IO,115) IY,(COST(IY,K),K=1,10)                              CFR00680
115   FORMAT(1X,I3,3X,10F12.4)                                          CFR00690
2002  CONTINUE                                                          CFR00700
2010  CONTINUE                                                          CFR00710
C                                                                       CFR00720
      GO TO 150                                                         CFR00730
9000  STOP                                                              CFR00740
      END                                                               CFR00750
```

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 1 TITLE=ENTITLEMENT; 100%(ALL 1.0)
FILE= 2 TITLE=CF--BASIC PAY,OFFICER,1 OCT 1981,CAPPED AT $4176.00
FILE= 3 TITLE=CF--BASIC PAY,ENLISTED,1 OCT 1981,E-8/9 GRADES FILLED IN
FILE= 4 TITLE=CF--BASIC PAY,WARRANT,1 OCT 1981
FILE= 5 TITLE=CF--BAS,OFFICER & WARRANT,OCT 81
FILE= 6 TITLE=CF--BAS,ARMY ENLISTED, OCT 81 ($108.42/MO)
FILE= 7 TITLE=ENT--BAQ W/DEP,ARMY OFFICERS,FY82
FILE= 8 TITLE=ENT--BAQ W/DEP,ARMY ENLISTED,FY82
FILE= 9 TITLE=ENT--BAQ W/DEP,ARMY WARRANT,FY82
FILE= 10 TITLE=CF--BAQ W/DEP,OFFICER,OCT 81
FILE= 11 TITLE=CF--BAQ W/DEP,ENLISTED,OCT 81
FILE= 12 TITLE=CF--BAQ W/DEP,WARRANT,OCT 81
FILE= 13 TITLE=ENT---BAQ W/O DEP,ARMY OFFICERS,FY82
FILE= 14 TITLE=ENT--BAQ W/O DEP,ARMY ENLISTED,FY82
FILE= 15 TITLE=ENT--BAQ W/O DEP, ARMY WARRANT,FY82
FILE= 16 TITLE=CF--BAQ W/O DEP,OFFICER,OCT 81
FILE= 17 TITLE=CF--BAQ W/O DEP,ENLISTED,OCT 81
FILE= 18 TITLE=CF--BAQ W/O DEP,WARRANT,OCT 81
FILE= 19 TITLE=ENT--BAQ PARTIAL,ARMY OFFICERS,FY82
FILE= 20 TITLE=ENT--BAQ PARTIAL,ARMY ENLISTED,FY82
FILE= 21 TITLE=ENT--BAQ PARTIAL,ARMY WARRANT,FY82
FILE= 22 TITLE=CF--BAQ PARTIAL,NAVY OFFICER,OCT 81
FILE= 23 TITLE=CF--BAQ PARTIAL,NAVY ENLISTED,OCT 81
FILE= 24 TITLE=CF--BAQ PARTIAL,NAVY WARRANT,OCT 81
FILE= 25 TITLE=ENT--BAQ INAD,ARMY OFFICERS,FY82
FILE= 26 TITLE=ENT--BAQ INAD,ARMY ENLISTED,FY82
FILE= 27 TITLE=ENT--BAQ INAD,ARMY WARRANT,FY82
FILE= 28 TITLE=CF--BAQ INAD,ARMY OFFICER,OCT 81
FILE= 29 TITLE=CF--BAQ INAD,ARMY ENLISTED,OCT 81
FILE= 30 TITLE=CF--BAQ INAD,ARMY WARRANT,OCT 81
FILE= 31 TITLE=CF--TOTAL BAQ,ARMY OFFICERS,FY82 (INCL BAQ W/DEP,BAQ W/O DEP,PARTIAL
FILE= 32 TITLE=CF--TOTAL BAQ,ARMY ENLISTED,FY82 (INCL BAQ W/DEP,BAQ W/O DEP,PARTIAL
FILE= 33 TITLE=CF--TOTAL BAQ,ARMY WARRANT,FY82 (INCL BAQ W/DEP,BAQ W/O DEP,PARTIAL,
FILE= 34 TITLE=CF--MONTHLY FICA FOR OFFICERS,FY82
FILE= 35 TITLE=CF--FICA MONTHLY FOR ENLISTED,FY82
FILE= 36 TITLE=CF--FICA FOR WARRANTS,FY82
FILE= 37 TITLE=CF--TOTAL VHA,ARMY OFFICER,FY82
FILE= 38 TITLE=CF--TOTAL VHA,ARMY ENLISTED,FY82
FILE= 39 TITLE=CF--TOTAL VHA,ARMY WARRANT,FY82
FILE= 40 TITLE=ENT--CLOTHING MAINT ALLOWANCE,BASIC & STANDARD,ENLISTED,ALL SVCS
FILE= 41 TITLE=CF--ENLISTED CLOTHING MAINT ALLOWANCE,FY82 (MONTHLY)
FILE= 42 TITLE=ENT--FSA 1,ARMY OFFICER,FY82
FILE= 43 TITLE=ENT--FSA 1,ARMY ENLISTED,FY82
FILE= 44 TITLE=ENT--FSA 1,ARMY WARRANT,FY82
FILE= 45 TITLE=ENT--FSA 2,ARMY OFFICER,FY82
FILE= 46 TITLE=ENT--FSA 2,ARMY ENLISTED,FY82
FILE= 47 TITLE=ENT--FSA 2,ARMY WARRANT,FY82
FILE= 48 TITLE=CF--FSA 2, $30/MONTH
FILE= 49 TITLE=CF--UNEMPLOYMENT COMPENSATION,ALL ENLISTED,FY84
FILE= 50 TITLE=CF--SEPARATION PCS,ARMY OFFICER AND WARRANT,FY82

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NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS  1115


FILE=  51 TITLE=CF--SEPARATION PCS,ARMY ENLISTED,FY82
FILE=  52 TITLE=CF--BURIAL ALLOWANC  $2641,ALL,FY82
FILE=  53 TITLE=CF--DEATH GRATUITY,$3000,ALL,FY82
FILE=  54 TITLE=CF--TERMINAL LEAVE,ARMY OFFICER,FY82
FILE=  55 TITLE=CF--TERMINAL LEAVE,ARMY ENLISTED,FY82
FILE=  56 TITLE=CF--TERMINAL LEAVE,ARMY WARRANT,FY82
FILE=  57 TITLE=CF--OFFICER SEPARATION PAY (10%*YOS*ANNUAL BASIC PAY,MAX=$30000)
FILE=  58 TITLE=CF--ENLISTED SEPARATION PAY (10%*YOS*ANNUAL BASIC PAY,MAX=$30000)
FILE=  59 TITLE=CF--WARRANT SEPARATION PAY (10%*YOS*ANNUAL BASIC PAY,MAX=$30000)
FILE=  60 TITLE=CF--OFFICER DISABILITY SEV. PAY (2*YOS*MONTHLY BASIC PAY,MAX=24 MONT
FILE=  61 TITLE=CF--ENLISTED DISABILITY SEV. PAY (2*YOS*MONTHLY BASIC PAY,MAX=24 MON
FILE=  62 TITLE=CF--WARRANT DISABILITY SEV. PAY (2*YOS*MONTHLY BASIC PAY,MAX=24 MONT
FILE=  63 TITLE=CF--OFFICER NODISABILITY RETIRED PAY,5%COLA,5.5%WG,OCT81BP
FILE=  64 TITLE=CF--ENLISTED NONDISABILITY RETIRED PAY,5%COLA,5.5%WG,OCT81BP,EAGE=19
FILE=  65 TITLE=CF--WARRANT NONDISABILITY RETIRED PAY,5%COLA,5.5%WG,OCT81 BP,EAGE=20
FILE=  66 TITLE=CF--BAS,USAF ENLISTED,OCT 81 ($119.44/MO)
FILE=  67 TITLE=ENT--BAQ W/DEP,USAF OFFICER,FY82
FILE=  68 TITLE=ENT--BAQ W/DEP,USAF ENLISTED,FY82
FILE=  69 TITLE=ENT--BAQ W/O DEP,USAF OFFICER,FY82
FILE=  70 TITLE=ENT--BAQ W/O DEP,USAF ENLISTED,FY82
FILE=  71 TITLE=ENT--BAQ PARTIAL,USAF OFFICER,FY82
FILE=  72 TITLE=ENT--BAQ PARTIAL,USAF ENLISTED,FY82
FILE=  73 TITLE=ENT--BAQ INAD,USAF OFFICER,FY82
FILE=  74 TITLE=ENT--BAQ INAD,USAF ENLISTED,FY82
FILE=  75 TITLE=CF--BAQ INAD,USAF OFFICER,OCT 81
FILE=  76 TITLE=CF--BAQ INAD,USAF ENLISTED,OCT 81
FILE=  77 TITLE=CF--TOTAL BAQ,USAF OFFICERS,FY82 (INCL BAQ W/DEP,W/O DEP,PRTL,INAD)
FILE=  78 TITLE=CF--TOTAL BAQ,USAF ENLISTED,FY82 (INCL W/DEP,W/O DEP,PRTL,INAD)
FILE=  79 TITLE=CF--TOTAL VHA,USAF OFFICER,FY82
FILE=  80 TITLE=CF--TOTAL VHA,USAF ENLISTED,FY82
FILE=  81 TITLE=CF--MONTHLY CLOTHING MAINT ALLOWANCE,FY82,USAF ENLISTED
FILE=  82 TITLE=ENT--FSA 1,USAF OFFICER,FY82
FILE=  83 TITLE=ENT--FSA 1,USAF ENLISTED,FY82
FILE=  84 TITLE=ENT--FSA 2,USAF OFFICER,FY82
FILE=  85 TITLE=ENT--FSA 2,USAF ENLISTED,FY82
FILE=  86 TITLE=CF--SEPARATION PCS,USAF OFFICER,FY82
FILE=  87 TITLE=CF--SEPARATION PCS,USAF ENLISTED,FY82
FILE=  88 TITLE=CF--TERMINAL LEAVE,USAF OFFICER,FY82
FILE=  89 TITLE=CF--TERMINAL LEAVE,USAF ENLISTED,FY82
FILE=  90 TITLE=CF--BAS,NAVY ENLISTED, ($112.88/MONTH)
FILE=  91 TITLE=ENT--BAQ W/DEP,NAVY OFFICERS,FY82
FILE=  92 TITLE=ENT--BAQ W/DEP,NAVY ENLISTED,FY82
FILE=  93 TITLE=ENT--BAQ W/DEP,NAVY WARRANT,FY82
FILE=  94 TITLE=ENT--BAQ W/O DEP, NAVY OFFICERS,FY82
FILE=  95 TITLE=ENT--BAQ W/O DEP,NAVY ENLISTED,FY82
FILE=  96 TITLE=ENT--BAQ W/O DEP,NAVY WARRANT,FY82
FILE=  97 TITLE=ENT--BAQ PARTIAL,NAVY OFFICERS,FY82
FILE=  98 TITLE=ENT--BAQ PARTIAL,NAVY ENLISTED,FY82
FILE=  99 TITLE=ENT--BAQ PARTIAL,NAVY WARRANT,FY82
FILE= 100 TITLE=CF--TOTAL BAQ,NAVY OFFICERS,FY82 (INCL W/DEP,W/O DEP, PARTIAL)
```

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 101 TITLE=CF--TOTAL BAQ, NAVY ENLISTED,FY82 (INCL W/DEP,W/O DEP, PARTIAL)
FILE= 102 TITLE=CF--TOTAL BAQ,NAVY WARRANT,FY82 (INCL W/DEP, W/O DEP, PARTIAL)
FILE= 103 TITLE=CF--TOTAL VHA,NAVY OFFICER,FY82
FILE= 104 TITLE=CF--TOTAL VHA,NAVY ENLISTED,FY82
FILE= 105 TITLE=CF--TOTAL VHA,NAVY WARRANT,FY82
FILE= 106 TITLE=CF--CLOTHING MAINT ALLOW,FY82,NAVY ENLISTED
FILE= 107 TITLE=ENT--FSA 1,NAVY OFFICER,FY82
FILE= 108 TITLE=ENT--FSA 1,NAVY ENLISTED,FY82
FILE= 109 TITLE=ENT--FSA 2,NAVY OFFICER,FY82
FILE= 110 TITLE=ENT--FSA 2,NAVY ENLISTED,FY82
FILE= 111 TITLE=ENT--FSA 2,NAVY WARRANT,FY82
FILE= 112 TITLE=CF--SEPARATION PCS,NAVY OFFICER AND WARRANT,FY82
FILE= 113 TITLE=CF--SEPARATION PCS,NAVY ENLISTED,FY82
FILE= 114 TITLE=CF--TERMINAL LEAVE,NAVY OFFICER,FY82
FILE= 115 TITLE=CF--TERMINAL LEAVE,NAVY ENLISTED,FY82
FILE= 116 TITLE=CF--TERMINAL LEAVE,NAVY WARRANT,FY82
FILE= 117 TITLE=CF--BAS,USMC ENLISTED,OCT 81 ($105.62)
FILE= 118 TITLE=ENT--BAQ W/DEP,USMC OFFICER,FY82
FILE= 119 TITLE=ENT--BAQ W/DEP,USMC ENLISTED,FY82
FILE= 120 TITLE=ENT--BAQ W/DEP,USMC WARRANT,FY82
FILE= 121 TITLE=ENT--BAQ W/O DEP,USMC OFFICER,FY82
FILE= 122 TITLE=ENT--BAQ W/O DEP,USMC ENLISTED,FY82
FILE= 123 TITLE=ENT--BAQ W/O DEP,USMC WARRANT,FY82
FILE= 124 TITLE=ENT--BAQ PARTIAL,USMC OFFICER,FY82
FILE= 125 TITLE=ENT--BAQ PARTIAL,USMC ENLISTED,FY82
FILE= 126 TITLE=ENT--BAQ PARTIAL,USMC WARRANT,FY82
FILE= 127 TITLE=CF--TOTAL BAQ,USMC OFFICERS,FY82 (INCL W/DEP,W/O DEP,PRTL)
FILE= 128 TITLE=CF--TOTAL BAQ,USMC ENLISTED,FY82 (INCL W/DEP,W/O DEP,PRTL)
FILE= 129 TITLE=CF--TOTAL BAQ,USMC WARRANT,FY82 (INCL W/DEP,W/O DEP,PRTL)
FILE= 130 TITLE=CF--TOTAL VHA,USMC OFFICER,FY82
FILE= 131 TITLE=CF--TOTAL VHA,USMC ENLISTED,FY82
FILE= 132 TITLE=CF--TOTAL VHA,USMC WARRANT,FY82
FILE= 133 TITLE=CF--CLOTHING MAINT ALLOW(MONTHLY),FY82,USMC ENLISTED
FILE= 134 TITLE=ENT--FSA 2,USMC OFFICER,FY82
FILE= 135 TITLE=ENT--FSA 2,USMC ENLISTED,FY82
FILE= 136 TITLE=ENT--FSA 2,USMC WARRANT,FY82
FILE= 137 TITLE=CF--SEPARATION PCS,USMC OFFICER AND WARRANT,FY82
FILE= 138 TITLE=CF--SEPARATION PCS,USMC ENLISTED,FY82
FILE= 139 TITLE=CF--TERMINAL LEAVE,USMC OFFICER,FY82
FILE= 140 TITLE=CF--TERMINAL LEAVE,USMC ENLISTED,FY82
FILE= 141 TITLE=CF--TERMINAL LEAVE,USMC WARRANT,FY82
FILE= 142 TITLE=CF--ARMY ENL VAR IST COST FOR OCC=00 ($3285)
FILE= 143 TITLE=CF--ARMY ENL VAR IST COST FOR OCC=01,04 ($3033)
FILE= 144 TITLE=CF--ARMY ENL VAR IST COST FOR OCC=02 ($3332)
FILE= 145 TITLE=CF--ARMY ENL VAR IST COST FOR OCC=03 ($7877)
FILE= 146 TITLE=CF--ARMY ENL VAR IST COST FOR OCC=05-08 ($2799)
FILE= 147 TITLE=CF--ARMY,ENL,VARIABLE RCTG,ADV,PROC COST ($3447)
FILE= 148 TITLE=CF--NAVY ENL RCTG COST VARIABLE ($2347)
FILE= 149 TITLE=CF--NAVY ENL VAR IST COST FOR OCC=00 ($1227)
FILE= 150 TITLE=CF--NAVY ENL VAR IST COST FOR OCC=01 ($7554)

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 151 TITLE=CF--NAVY ENL VAR IST COST FOR OCC=02 ($4872)
FILE= 152 TITLE=CF--NAVY ENL VAR IST COST FOR OCC=03 ($1561)
FILE= 153 TITLE=CF--NAVY ENL VAR IST COST FOR OCC=04 ($4148)
FILE= 154 TITLE=CF--NAVY ENL VAR IST COST FOR OCC=05 ($1373)
FILE= 155 TITLE=CF--NAVY ENL VAR IST COST FOR OCC=06 ($3695)
FILE= 156 TITLE=CF--NAVY ENL VAR IST COST FOR OCC=07 ($2272)
FILE= 157 TITLE=CF--NAVY ENL VAR IST COST FOR OCC=08 ($1664)
FILE= 158 TITLE=CF--MC RCTG COST FOR ALL ENL ($3758)
FILE= 159 TITLE=CF--MC ENL VAR IST COST OCC=06 ($12802)
FILE= 160 TITLE=CF--MC ENL VAR IST COST OCC=07 ($2873)
FILE= 161 TITLE=CF--MC ENL VAR IST COST OCC=08 ($2139)
FILE= 162 TITLE=CF--ARMY OFF ACQ ($17432)
FILE= 163 TITLE=CF--ARMY OFF TNG,PILOT ($145457)
FILE= 164 TITLE=CF--ARMY OFF TNG,COMBAT ARMS ($2602)
FILE= 165 TITLE=CF--ARMY OFF TNG,COMBAT SUPPORT ($3371)
FILE= 166 TITLE=CF--ARMY OFF TNG, OTHER ($3378)
FILE= 167 TITLE=CF--ARMY WRT TNG, PILOT ($145534)
FILE= 168 TITLE=CF--ARMY WRT TNG, OTHER ($3367)
FILE= 169 TITLE=CF--NAVY OFF RCTG, ALL ($3439)
FILE= 170 TITLE=CF--NAVY OFF TNG,PILOT ($985912)
FILE= 171 TITLE=CF--NAVY OFF TNG , NFO ($467538)
FILE= 172 TITLE=CF--NAVY OFF TNG, SURFACE ($14452)
FILE= 173 TITLE=CF--NAVY OFF TNG, SUBMARINE ($40085)
FILE= 174 TITLE=CF--NAVY OFF TNG ,URLGEN ($7504)
FILE= 175 TITLE=CF--NAVY OFF TNG, LDO ($2542)
FILE= 176 TITLE=CF--NAVY OFF TNG,JAG ($2898)
FILE= 177 TITLE=CF--NAVY OFF TNG, CHAPLAIN ($3500)
FILE= 178 TITLE=CF--NAVY OFF TNG, PHYSICIANS ($663)
FILE= 179 TITLE=CF--NAVY OFF TNG, DENTISTS ($670)
FILE= 180 TITLE=CF--NAVY OFF TNG, NURSE ($576)
FILE= 181 TITLE=CF--NAVY OFF TNG, MSC ($2284)
FILE= 182 TITLE=NAVY OFF TNG, RLST ($13772)
FILE= 183 TITLE=CF--NAVY OFF TNG, OTHER ($2204)
FILE= 184 TITLE=CF--USMC OFF ACQ, PLT ($9175)
FILE= 185 TITLE=CF--USMC OFF ACQ, NAV ($22503)
FILE= 186 TITLE=CF--USMC OFF ACQ,COMBAT ARMS ($11018)
FILE= 187 TITLE=CF--USMC OFF ACQ, COMBAT SUPPORT ($10732)
FILE= 188 TITLE=USMC OFF ACQ, JAG ($5449)
FILE= 189 TITLE=USMC OFF TNG PILOT ($983,541)
FILE= 190 TITLE=CF--USMC OFF TNG, NAV ($452519)
FILE= 191 TITLE=CF--USMC OFF TNG, COMBAT ARMS ($29892)
FILE= 192 TITLE=USMC OFF & WRT TNG, COMBAT SUPPORT ($30071)
FILE= 193 TITLE=CF--USMC OFF TNG , JAG ($28226)
FILE= 194 TITLE=CF--USAF OFF RCTG & ACQ, ALL ($14769)
FILE= 195 TITLE=CF--USAF OFF TNG ,PILOT ($249,047)
FILE= 196 TITLE=CF--USAF OFF TNG , NAV ($50849)
FILE= 197 TITLE=CF--USAF OFF TNG, TECHNICAL ($52217)
FILE= 198 TITLE=CF--USAF OFF TNG, SUPPORT ($7527)
FILE= 199 TITLE=CF--BASIC PAY,ENL,OCT 81,E-8/9 GRADES FILLED IN,WEIGHTED RATES IN E3
FILE= 200 TITLE=CF--BAQ W/O DEP, ENL, OCT 81 (ALSO FSA 1) E1,2,3 WEIGHTED INTO E3 CO

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 201 TITLE=CF--TOTAL BAQ,ARMY ENL,FY82,E1-E3 WEIGTHED IN E3 COLUMN
FILE= 202 TITLE=CF--TOTAL BAQ,NAVY ENL,FY82,E1-E3 WEIGHTED INTO E3 COLUMN
FILE= 203 TITLE=CF--TOTAL BAQ,USMC ENL,FY82,E1-E3 WEIGHTED INTO E3 COLUMN
FILE= 204 TITLE=CF--TOTAL BAQ,USAF ENL,FY82,E3 COLUMN HAS WEIGHTED E1-E3 RATES
FILE= 205 TITLE=CF--FICA MONTHLY FOR ENLISTED,FY82,E3 COLUMN CONTAINS WEIGHTED E1-E3
FILE= 206 TITLE=CF--TOTAL VHA,ARMY ENL,FY82--E1-E3 WEIGHTED INTO E3
FILE= 207 TITLE=CF--TOTAL VHA,NAVY ENL,FY82,E3 COLUMN CONTAINS WEIGHTED E1-E3 RATES
FILE= 208 TITLE=CF--TOTAL VHA,USMC ENL,FY82,E3 COLUMN HAS WEIGHTED E1-E3 RATES
FILE= 209 TITLE=CF--TOTAL VHA,AF ENL,FY82,E3 COLUMN HAS WEIGHTED E1-E3 RATES
FILE= 210 TITLE=CF--TERM LV,ARMY ENL,FY82,E3 COLUMN HAS E1-E3 RATES
FILE= 211 TITLE=CF--TERM LV,NAVY ENL,FY82,E3 COLUMN HAS WEIGHTED E1-E3 RATES
FILE= 212 TITLE=CF--TERM LV,USMC ENL,FY82,E3 COLUMN HAS WEIGHTED E1-E3 RATES
FILE= 213 TITLE=CF--TERM LV,USAF ENL,FY82,E3 COLUMN HAS WEIGHTED E1-E3 RATES
FILE= 214 TITLE=CF--ENL SEP PAY (SAME AS OFF FORMULA),E3 COL HAS WEIGHTED RATES
FILE= 215 TITLE=CF--ENL DIS SEV PAY ,E3 COL HAS WEIGHTED E1-E3 RATES
FILE= 216 TITLE=CF--ENL DIS RET PAY,E3 COL HAS WEIGHTED E1-E3 RATES
FILE= 217 TITLE=CF--ENL NONDIS RET PAY,E3 COL HAS WEIGHTED E1-E3 RATES
FILE= 218 TITLE=CF--OFF DIS RET PAY 81BP 5%COLA 5.5%WG EAGE=23 YOS1-19 ACTUAL
FILE= 219 TITLE=CF--WRT DIS RET PAY 81BP 5%COLA 5.5%WG EAGE=20 YOS 1-19 ACTUAL
FILE= 220 TITLE=CF--OFFICER RETIRED PAY,5%COLA,5.5%WG,EAGE=23,YOS 1-19 ASSUMED 20
FILE= 221 TITLE=CF--WRT RETIRED PAY,81 BP,5%COLA,5.5% WG,EAGE=20,YOS 1-19 ASSUMED 20
FILE= 222 TITLE=CF--MC ENL VAR IST COST OCC=07 ($2673)
FILE= 223 TITLE=CF--MC ENL VAR IST COST OCC=08 ($2139)
FILE= 224 TITLE=CF--AF ENL RCTG COST VAR FOR ALL ($2893)
FILE= 225 TITLE=CF--AF ENL VAR IST COST OCC=00 ($2744)
FILE= 226 TITLE=CF--AF ENL VAR IST COST OCC=01 ($9289)
FILE= 227 TITLE=CF--AF ENL VAR IST COST OCC=02 ($6570)
FILE= 228 TITLE=CF--AF ENL VAR IST COST FOR OCC=03 ($4384)
FILE= 229 TITLE=CF--AF ENL VAR IST COST FOR OCC=04 ($5697)
FILE= 230 TITLE=CF--AF ENL VAR IST COST FOR OCC=05 ($3198)
FILE= 231 TITLE=CF--AF ENL VAR IST COST FOR OCC=06 ($4436)
FILE= 232 TITLE=ENT--NAVY ENL OCC=00 SEA PAY TOTAL = 0.3019
FILE= 233 TITLE=ENT--NAVY ENL OCC=00 PREM. SEA PAY TOTAL = 0.0543
FILE= 234 TITLE=ENT--NAVY ENL OCC=00 SRB TOTAL = 0.1179
FILE= 235 TITLE=ENT--NAVY ENL OCC=00 SUB PAY TOTAL = 0.0309
FILE= 236 TITLE=ENT--NAVY ENL OCC=00 NUC ACC BONUS TOTAL = 0.0
FILE= 237 TITLE=ENT--NAVY ENL OCC=00 PCS(TRNG) TOTAL = 0.0113
FILE= 238 TITLE=ENT--NAVY ENL OCC=00 PCS(ORU) TOTAL = 0.0994
FILE= 239 TITLE=ENT--NAVY ENL OCC=01 SEA PAY TOTAL = 0.3227
FILE= 240 TITLE=ENT--NAVY ENL OCC=01 PREM. SEA PAY TOTAL = 0.0341
FILE= 241 TITLE=ENT--NAVY ENL OCC=01 SRB TOTAL = 0.1937
FILE= 242 TITLE=ENT--NAVY ENL OCC=01 SUB PAY TOTAL = 0.1530
FILE= 243 TITLE=ENT--NAVY ENL OCC=01 NUC ACC BONUS TOTAL = 0.0
FILE= 244 TITLE=ENT--NAVY ENL OCC=01 PCS(TRNG) TOTAL = 0.1102
FILE= 245 TITLE=ENT--NAVY ENL OCC=01 PCS(ORU) TOTAL = 0.0994
FILE= 246 TITLE=ENT--NAVY ENL OCC=02 SEA PAY TOTAL = 0.2429
FILE= 247 TITLE=ENT--NAVY ENL OCC=02 PREM. SEA PAY TOTAL = 0.0323
FILE= 248 TITLE=ENT--NAVY ENL OCC=02 SRB TOTAL = 0.1762
FILE= 249 TITLE=ENT--NAVY ENL OCC=02 SUB PAY TOTAL = 0.0375
FILE= 250 TITLE=ENT--NAVY ENL OCC=02 NUC ACC BONUS TOTAL = 0.0

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 251 TITLE=ENT--NAVY ENL OCC=02 PCS(TRNG) TOTAL = 0.0184
FILE= 252 TITLE=ENT--NAVY ENL OCC=02 PCS(ORU) TOTAL = 0.1270
FILE= 253 TITLE=ENT--NAVY ENL OCC=03 SEA PAY TOTAL = 0.0968
FILE= 254 TITLE=ENT--NAVY ENL OCC=03 PREM. SEA PAY TOTAL = 0.0020
FILE= 255 TITLE=ENT--NAVY ENL OCC=03 SRB TOTAL = 0.0162
FILE= 256 TITLE=ENT--NAVY ENL OCC=03 SUB PAY TOTAL = 0.0121
FILE= 257 TITLE=ENT--NAVY ENL OCC=03 NUC ACC BONUS TOTAL = 0.0
FILE= 258 TITLE=ENT--NAVY ENL OCC=03 PCS(TRNG) TOTAL = 0.0446
FILE= 259 TITLE=ENT--NAVY ENL OCC=03 PCS(ORU) TOTAL = 0.2221
FILE= 260 TITLE=ENT--NAVY ENL OCC=04 SEA PAY TOTAL = 0.1352
FILE= 261 TITLE=ENT--NAVY ENL OCC=04 PREM. SEA PAY TOTAL = 0.0084
FILE= 262 TITLE=ENT--NAVY ENL OCC=04 SRB TOTAL = 0.0699
FILE= 263 TITLE=ENT--NAVY ENL OCC=04 SUB PAY TOTAL = 0.0037
FILE= 264 TITLE=ENT--NAVY ENL OCC=04 NUC ACC BONUS TOTAL = 0.0
FILE= 265 TITLE=ENT--NAVY ENL OCC=04 PCS(TRNG) TOTAL = 0.0215
FILE= 266 TITLE=ENT--NAVY ENL OCC=04 PCS(ORU) TOTAL = 0.1565
FILE= 267 TITLE=ENT--NAVY ENL OCC=05 SEA PAY TOTAL = 0.1751
FILE= 268 TITLE=ENT--NAVY ENL OCC=05 PREM. SEA PAY TOTAL = 0.0142
FILE= 269 TITLE=ENT--NAVY ENL OCC=05 SRB TOTAL = 0.0201
FILE= 270 TITLE=ENT--NAVY ENL OCC=05 SUB PAY TOTAL = 0.0304
FILE= 271 TITLE=ENT--NAVY ENL OCC=05 NUC ACC BONUS TOTAL = 0.0
FILE= 272 TITLE=ENT--NAVY ENL OCC=05 PCS(TRNG) TOTAL = 0.0046
FILE= 273 TITLE=ENT--NAVY ENL OCC=05 PCS(ORU) TOTAL = 0.1423
FILE= 274 TITLE=ENT--NAVY ENL OCC=06 SEA PAY TOTAL = 0.3042
FILE= 275 TITLE=ENT--NAVY ENL OCC=06 PREM. SEA PAY TOTAL = 0.0377
FILE= 276 TITLE=ENT--NAVY ENL OCC=06 SRB TOTAL = 0.1713
FILE= 277 TITLE=ENT--NAVY ENL OCC=06 SUB PAY TOTAL = 0.0672
FILE= 278 TITLE=ENT--NAVY ENL OCC=06 NUC ACC BONUS TOTAL = 0.0
FILE= 279 TITLE=ENT--NAVY ENL OCC=06 PCS(TRNG) TOTAL = 0.0301
FILE= 280 TITLE=ENT--NAVY ENL OCC=06 PCS(ORU) TOTAL = 0.1137
FILE= 281 TITLE=ENT--NAVY ENL OCC=07 SEA PAY TOTAL = 0.1965
FILE= 282 TITLE=ENT--NAVY ENL OCC=07 PREM. SEA PAY TOTAL = 0.0206
FILE= 283 TITLE=ENT--NAVY ENL OCC=07 SRB TOTAL = 0.1615
FILE= 284 TITLE=ENT--NAVY ENL OCC=07 SUB PAY TOTAL = 0.0048
FILE= 285 TITLE=ENT--NAVY ENL OCC=07 NUC ACC BONUS TOTAL = 0.0
FILE= 286 TITLE=ENT--NAVY ENL OCC=07 PCS(TRNG) TOTAL = 0.0045
FILE= 287 TITLE=ENT--NAVY ENL OCC=07 PCS(ORU) TOTAL = 0.1432
FILE= 288 TITLE=ENT--NAVY ENL OCC=08 SEA PAY TOTAL = 0.2799
FILE= 289 TITLE=ENT--NAVY ENL OCC=08 PREM. SEA PAY TOTAL = 0.0369
FILE= 290 TITLE=ENT--NAVY ENL OCC=08 SRB TOTAL = 0.1348
FILE= 291 TITLE=ENT--NAVY ENL OCC=08 SUB PAY TOTAL = 0.0515
FILE= 292 TITLE=ENT--NAVY ENL OCC=08 NUC ACC BONUS TOTAL = 0.0
FILE= 293 TITLE=ENT--NAVY ENL OCC=08 PCS(TRNG) TOTAL = 0.0026
FILE= 294 TITLE=ENT--NAVY ENL OCC=08 PCS(ORU) TOTAL = 0.1538
FILE= 295 TITLE=ENT--NAVY ENL TOTAL SEA PAY TOTAL = 0.2605
FILE= 296 TITLE=ENT--NAVY ENL TOTAL PREM. SEA PAY TOTAL = 0.0309
FILE= 297 TITLE=ENT--NAVY ENL TOTAL SRB TOTAL = 0.1388
FILE= 298 TITLE=ENT--NAVY ENL TOTAL SUB PAY TOTAL = 0.0612
FILE= 299 TITLE=ENT--NAVY ENL TOTAL NUC ACC BONUS TOTAL = 0.0
FILE= 300 TITLE=ENT--NAVY ENL TOTAL PCS(TRNG) TOTAL = 0.0337

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 301 TITLE=ENT--NAVY ENL TOTAL PCS(ORU) TOTAL = 0.1271
FILE= 302 TITLE=CF--NAVY ENL OCC=00 SEA PAY TOTAL = 1455.2100
FILE= 303 TITLE=CF--NAVY ENL OCC=00 PREM. SEA PAY TOTAL = 600.7898
FILE= 304 TITLE=CF--NAVY ENL OCC=00 SRB TOTAL = 1928.6199
FILE= 305 TITLE=CF--NAVY ENL OCC=00 SUB PAY TOTAL = 1399.0498
FILE= 306 TITLE=CF--NAVY ENL OCC=00 NUC ACC BONUS TOTAL = 0.0
FILE= 307 TITLE=CF--NAVY ENL OCC=00 PCS(TRNG) TOTAL = 1785.2798
FILE= 308 TITLE=CF--NAVY ENL OCC=00 PCS(ORU) TOTAL = 3037.7998
FILE= 309 TITLE=CF--NAVY ENL OCC=01 SEA PAY TOTAL = 1040.0798
FILE= 310 TITLE=CF--NAVY ENL OCC=01 PREM. SEA PAY TOTAL = 581.1799
FILE= 311 TITLE=CF--NAVY ENL OCC=01 SRB TOTAL = 4156.8164
FILE= 312 TITLE=CF--NAVY ENL OCC=01 SUB PAY TOTAL = 1449.6599
FILE= 313 TITLE=CF--NAVY ENL OCC=01 NUC ACC BONUS TOTAL = 0.0
FILE= 314 TITLE=CF--NAVY ENL OCC=01 PCS(TRNG) TOTAL = 1392.3499
FILE= 315 TITLE=CF--NAVY ENL OCC=01 PCS(ORU) TOTAL = 3644.0698
FILE= 316 TITLE=CF--NAVY ENL OCC=02 SEA PAY TOTAL = 1217.2300
FILE= 317 TITLE=CF--NAVY ENL OCC=02 PREM. SEA PAY TOTAL = 573.3198
FILE= 318 TITLE=CF--NAVY ENL OCC=02 SRB TOTAL = 3469.6299
FILE= 319 TITLE=CF--NAVY ENL OCC=02 SUB PAY TOTAL = 1153.5999
FILE= 320 TITLE=CF--NAVY ENL OCC=02 NUC ACC BONUS TOTAL = 0.0
FILE= 321 TITLE=CF--NAVY ENL OCC=02 PCS(TRNG) TOTAL = 1569.1499
FILE= 322 TITLE=CF--NAVY ENL OCC=02 PCS(ORU) TOTAL = 3817.7100
FILE= 323 TITLE=CF--NAVY ENL OCC=03 SEA PAY TOTAL = 867.3298
FILE= 324 TITLE=CF--NAVY ENL OCC=03 PREM. SEA PAY TOTAL = 506.8198
FILE= 325 TITLE=CF--NAVY ENL OCC=03 SRB TOTAL = 2465.6499
FILE= 326 TITLE=CF--NAVY ENL OCC=03 SUB PAY TOTAL = 2133.8699
FILE= 327 TITLE=CF--NAVY ENL OCC=03 NUC ACC BONUS TOTAL = 0.0
FILE= 328 TITLE=CF--NAVY ENL OCC=03 PCS(TRNG) TOTAL = 1922.5198
FILE= 329 TITLE=CF--NAVY ENL OCC=03 PCS(ORU) TOTAL = 2471.5898
FILE= 330 TITLE=CF--NAVY ENL OCC=04 SEA PAY TOTAL = 917.2598
FILE= 331 TITLE=CF--NAVY ENL OCC=04 PREM. SEA PAY TOTAL = 397.0798
FILE= 332 TITLE=CF--NAVY ENL OCC=04 SRB TOTAL = 2444.4900
FILE= 333 TITLE=CF--NAVY ENL OCC=04 SUB PAY TOTAL = 600.5198
FILE= 334 TITLE=CF--NAVY ENL OCC=04 NUC ACC BONUS TOTAL = 0.0
FILE= 335 TITLE=CF--NAVY ENL OCC=04 PCS(TRNG) TOTAL = 1647.6799
FILE= 336 TITLE=CF--NAVY ENL OCC=04 PCS(ORU) TOTAL = 3490.6599
FILE= 337 TITLE=CF--NAVY ENL OCC=05 SEA PAY TOTAL = 1157.0398
FILE= 338 TITLE=CF--NAVY ENL OCC=05 PREM. SEA PAY TOTAL = 479.8298
FILE= 339 TITLE=CF--NAVY ENL OCC=05 SRB TOTAL = 2409.1599
FILE= 340 TITLE=CF--NAVY ENL OCC=05 SUB PAY TOTAL = 1224.5798
FILE= 341 TITLE=CF--NAVY ENL OCC=05 NUC ACC BONUS TOTAL = 0.0
FILE= 342 TITLE=CF--NAVY ENL OCC=05 PCS(TRNG) TOTAL = 1348.6899
FILE= 343 TITLE=CF--NAVY ENL OCC=05 PCS(ORU) TOTAL = 3507.4199
FILE= 344 TITLE=CF--NAVY ENL OCC=06 SEA PAY TOTAL = 1132.1599
FILE= 345 TITLE=CF--NAVY ENL OCC=06 PREM. SEA PAY TOTAL = 608.6299
FILE= 346 TITLE=CF--NAVY ENL OCC=06 SRB TOTAL = 3497.6499
FILE= 347 TITLE=CF--NAVY ENL OCC=06 SUB PAY TOTAL = 1443.3398
FILE= 348 TITLE=CF--NAVY ENL OCC=06 NUC ACC BONUS TOTAL = 0.0
FILE= 349 TITLE=CF--NAVY ENL OCC=06 PCS(TRNG) TOTAL = 1177.0698
FILE= 350 TITLE=CF--NAVY ENL OCC=06 PCS(ORU) TOTAL = 3066.4900

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 351 TITLE=CF--NAVY ENL OCC=07 SEA PAY TOTAL = 1070.7598
FILE= 352 TITLE=CF--NAVY ENL OCC=07 PREM. SEA PAY TOTAL = 573.3499
FILE= 353 TITLE=CF--NAVY ENL OCC=07 SRB TOTAL = 3053.6599
FILE= 354 TITLE=CF--NAVY ENL OCC=07 SUB PAY TOTAL = 499.1499
FILE= 355 TITLE=CF--NAVY ENL OCC=07 NUC ACC BONUS TOTAL = 0.0
FILE= 356 TITLE=CF--NAVY ENL OCC=07 PCS(TRNG) TOTAL = 2461.6599
FILE= 357 TITLE=CF--NAVY ENL OCC=07 PCS(ORU) TOTAL = 3462.4600
FILE= 358 TITLE=CF--NAVY ENL OCC=08 SEA PAY TOTAL = 1512.7100
FILE= 359 TITLE=CF--NAVY ENL OCC=08 PREM. SEA PAY TOTAL = 495.7698
FILE= 360 TITLE=CF--NAVY ENL OCC=08 SRB TOTAL = 2612.6399
FILE= 361 TITLE=CF--NAVY ENL OCC=08 SUB PAY TOTAL = 1242.8098
FILE= 362 TITLE=CF--NAVY ENL OCC=08 NUC ACC BONUS TOTAL = 0.0
FILE= 363 TITLE=CF--NAVY ENL OCC=08 PCS(TRNG) TOTAL = 1119.3899
FILE= 364 TITLE=CF--NAVY ENL OCC=08 PCS(ORU) TOTAL = 3539.7998
FILE= 365 TITLE=CF--NAVY ENL TOTAL SEA PAY TOTAL = 1167.4199
FILE= 366 TITLE=CF--NAVY ENL TOTAL PREM. SEA PAY TOTAL = 578.5898
FILE= 367 TITLE=CF--NAVY ENL TOTAL SRB TOTAL = 3431.7898
FILE= 368 TITLE=CF--NAVY ENL TOTAL SUB PAY TOTAL = 1398.5798
FILE= 369 TITLE=CF--NAVY ENL TOTAL NUC ACC BONUS TOTAL = 0.0
FILE= 370 TITLE=CF--NAVY ENL TOTAL PCS(TRNG) TOTAL = 1393.2100
FILE= 371 TITLE=CF--NAVY ENL TOTAL PCS(ORU) TOTAL = 3311.7900
FILE= 372 TITLE=CF--NAVY OFF LEGAL SEA PAY TOTAL = 1085.7100
FILE= 373 TITLE=CF--NAVY OFF LEGAL PREM SEA PAY TOTAL = 0.0
FILE= 374 TITLE=CF--NAVY OFF LEGAL ACIP TOTAL = 1000.0000
FILE= 375 TITLE=CF--NAVY OFF LEGAL SUB PAY TOTAL = 0.0
FILE= 376 TITLE=CF--NAVY OFF LEGAL NUC ACC BONUS TOTAL = 0.0
FILE= 377 TITLE=CF--NAVY OFF LEGAL PCS(TRNG) TOTAL = 4936.5000
FILE= 378 TITLE=CF--NAVY OFF LEGAL PCS(ORU) TOTAL = 8502.5078
FILE= 379 TITLE=CF--NAVY OFF LEGAL AOCP TOTAL = 0.0
FILE= 380 TITLE=CF--NAVY OFF CHAPLAIN SEA PAY TOTAL = 1450.0000
FILE= 381 TITLE=CF--NAVY OFF CHAPLAIN PREM SEA PAY TOTAL = 270.0000
FILE= 382 TITLE=CF--NAVY OFF CHAPLAIN ACIP TOTAL = 0.0
FILE= 383 TITLE=CF--NAVY OFF CHAPLAIN SUB PAY TOTAL = 933.3298
FILE= 384 TITLE=CF--NAVY OFF CHAPLAIN NUC ACC BONUS TOTAL = 0.0
FILE= 385 TITLE=CF--NAVY OFF CHAPLAIN PCS(TRNG) TOTAL = 4825.7891
FILE= 386 TITLE=CF--NAVY OFF CHAPLAIN PCS(ORU) TOTAL = 8509.1797
FILE= 387 TITLE=CF--NAVY OFF CHAPLAIN AOCP TOTAL = 0.0
FILE= 388 TITLE=CF--NAVY OFF PHYS SEA PAY TOTAL = 1029.4099
FILE= 389 TITLE=CF--NAVY OFF PHYS PREM SEA PAY TOTAL = 0.0
FILE= 390 TITLE=CF--NAVY OFF PHYS ACIP TOTAL = 1985.2400
FILE= 391 TITLE=CF--NAVY OFF PHYS SUB PAY TOTAL = 2910.0000
FILE= 392 TITLE=CF--NAVY OFF PHYS NUC ACC BONUS TOTAL = 0.0
FILE= 393 TITLE=CF--NAVY OFF PHYS PCS(TRNG) TOTAL = 3785.5598
FILE= 394 TITLE=CF--NAVY OFF PHYS PCS(ORU) TOTAL = 8212.3164
FILE= 395 TITLE=CF--NAVY OFF PHYS AOCP TOTAL = 0.0
FILE= 396 TITLE=CF--NAVY OFF DENT SEA PAY TOTAL = 1150.0000
FILE= 397 TITLE=CF--NAVY OFF DENT PREM SEA PAY TOTAL = 0.0
FILE= 398 TITLE=CF--NAVY OFF DENT ACIP TOTAL = 0.0
FILE= 399 TITLE=CF--NAVY OFF DENT SUB PAY TOTAL = 0.0
FILE= 400 TITLE=CF--NAVY OFF DENT NUC ACC BONUS TOTAL = 0.0

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 401 TITLE=CF--NAVY OFF DENT PCS(TRNG) TOTAL = 4502.8789
FILE= 402 TITLE=CF--NAVY OFF DENT PCS(ORU) TOTAL = 7947.3477
FILE= 403 TITLE=CF--NAVY OFF DENT AOCP TOTAL = 0.0
FILE= 404 TITLE=CF--NAVY OFF NURSE SEA PAY TOTAL = 900.0000
FILE= 405 TITLE=CF--NAVY OFF NURSE PREM SEA PAY TOTAL = 0.0
FILE= 406 TITLE=CF--NAVY OFF NURSE ACIP TOTAL = 0.0
FILE= 407 TITLE=CF--NAVY OFF NURSE SUB PAY TOTAL = 0.0
FILE= 408 TITLE=CF--NAVY OFF NURSE NUC ACC BONUS TOTAL = 0.0
FILE= 409 TITLE=CF--NAVY OFF NURSE PCS(TRNG) TOTAL = 3214.1699
FILE= 410 TITLE=CF--NAVY OFF NURSE PCS(ORU) TOTAL = 5955.9492
FILE= 411 TITLE=CF--NAVY OFF NURSE AOCP TOTAL = 0.0
FILE= 412 TITLE=CF--NAVY OFF MSC SEA PAY TOTAL = 910.0000
FILE= 413 TITLE=CF--NAVY OFF MSC PREM SEA PAY TOTAL = 0.0
FILE= 414 TITLE=CF--NAVY OFF MSC ACIP TOTAL = 3394.7400
FILE= 415 TITLE=CF--NAVY OFF MSC SUB PAY TOTAL = 266.6699
FILE= 416 TITLE=CF--NAVY OFF MSC NUC ACC BONUS TOTAL = 0.0
FILE= 417 TITLE=CF--NAVY OFF MSC PCS(TRNG) TOTAL = 4721.8984
FILE= 418 TITLE=CF--NAVY OFF MSC PCS(ORU) TOTAL = 7304.0664
FILE= 419 TITLE=CF--NAVY OFF MSC AOCP TOTAL = 0.0
FILE= 420 TITLE=CF--NAVY OFF PILOTS SEA PAY TOTAL = 1349.4800
FILE= 421 TITLE=CF--NAVY OFF PILOTS PREM SEA PAY TOTAL = 660.3298
FILE= 422 TITLE=CF--NAVY OFF PILOTS ACIP TOTAL = 3228.5000
FILE= 423 TITLE=CF--NAVY OFF PILOTS SUB PAY TOTAL = 760.0000
FILE= 424 TITLE=CF--NAVY OFF PILOTS NUC ACC BONUS TOTAL = 0.0
FILE= 425 TITLE=CF--NAVY OFF PILOTS PCS(TRNG) TOTAL = 2865.3298
FILE= 426 TITLE=CF--NAVY OFF PILOTS PCS(ORU) TOTAL = 8201.4062
FILE= 427 TITLE=CF--NAVY OFF PILOTS AOCP TOTAL = 5782.3281
FILE= 428 TITLE=CF--NAVY OFF NFO SEA PAY TOTAL = 1194.0198
FILE= 429 TITLE=CF--NAVY OFF NFO PREM SEA PAY TOTAL = 461.9600
FILE= 430 TITLE=CF--NAVY OFF NFO ACIP TOTAL = 3199.6799
FILE= 431 TITLE=CF--NAVY OFF NFO SUB PAY TOTAL = 750.0000
FILE= 432 TITLE=CF--NAVY OFF NFO NUC ACC BONUS TOTAL = 3000.0000
FILE= 433 TITLE=CF--NAVY OFF NFO PCS(TRNG) TOTAL = 3689.8298
FILE= 434 TITLE=CF--NAVY OFF NFO PCS(ORU) TOTAL = 8033.6680
FILE= 435 TITLE=CF--NAVY OFF NFO AOCP TOTAL = 6395.2695
FILE= 436 TITLE=CF--NAVY OFF SWO SEA PAY TOTAL = 1786.9800
FILE= 437 TITLE=CF--NAVY OFF SWO PREM SEA PAY TOTAL = 656.4299
FILE= 438 TITLE=CF--NAVY OFF SWO ACIP TOTAL = 973.0198
FILE= 439 TITLE=CF--NAVY OFF SWO SUB PAY TOTAL = 907.2698
FILE= 440 TITLE=CF--NAVY OFF SWO NUC ACC BONUS TOTAL = 4607.2969
FILE= 441 TITLE=CF--NAVY OFF SWO PCS(TRNG) TOTAL = 3947.8499
FILE= 442 TITLE=CF--NAVY OFF SWO PCS(ORU) TOTAL = 6384.7500
FILE= 443 TITLE=CF--NAVY OFF SWO AOCP TOTAL = 4800.0000
FILE= 444 TITLE=CF--NAVY OFF SUBM SEA PAY TOTAL = 1860.6299
FILE= 445 TITLE=CF--NAVY OFF SUBM PREM SEA PAY TOTAL = 779.3999
FILE= 446 TITLE=CF--NAVY OFF SUBM ACIP TOTAL = 350.0000
FILE= 447 TITLE=CF--NAVY OFF SUBM SUB PAY TOTAL = 3219.8499
FILE= 448 TITLE=CF--NAVY OFF SUBM NUC ACC BONUS TOTAL = 4597.0078
FILE= 449 TITLE=CF--NAVY OFF SUBM PCS(TRNG) TOTAL = 4246.7891
FILE= 450 TITLE=CF--NAVY OFF SUBM PCS(ORU) TOTAL = 7191.6367

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 451 TITLE=CF--NAVY OFF SUBM AOCP TOTAL = 0.0
FILE= 452 TITLE=CF--NAVY OFF LDO SEA PAY TOTAL = 1571.8098
FILE= 453 TITLE=CF--NAVY OFF LDO PREM SEA PAY TOTAL = 702.9099
FILE= 454 TITLE=CF--NAVY OFF LDO ACIP TOTAL = 2615.0000
FILE= 455 TITLE=CF--NAVY OFF LDO SUB PAY TOTAL = 3519.1699
FILE= 456 TITLE=CF--NAVY OFF LDO NUC ACC BONUS TOTAL = 3203.1599
FILE= 457 TITLE=CF--NAVY OFF LDO PCS(TRNG) TOTAL = 5084.1289
FILE= 458 TITLE=CF--NAVY OFF LDO PCS(ORU) TOTAL = 8161.6562
FILE= 459 TITLE=CF--NAVY OFF LDO AOCP TOTAL = 6328.5664
FILE= 460 TITLE=CF--NAVY OFF URLGEN SEA PAY TOTAL = 961.1099
FILE= 461 TITLE=CF--NAVY OFF URLGEN PREM SEA PAY TOTAL = 491.1099
FILE= 462 TITLE=CF--NAVY OFF URLGEN ACIP TOTAL = 1328.5698
FILE= 463 TITLE=CF--NAVY OFF URLGEN SUB PAY TOTAL = 1175.0000
FILE= 464 TITLE=CF--NAVY OFF URLGEN NUC ACC BONUS TOTAL = 0.0
FILE= 465 TITLE=CF--NAVY OFF URLGEN PCS(TRNG) TOTAL = 3547.5398
FILE= 466 TITLE=CF--NAVY OFF URLGEN PCS(ORU) TOTAL = 5639.1172
FILE= 467 TITLE=CF--NAVY OFF URLGEN AOCP TOTAL = 0.0
FILE= 468 TITLE=CF--NAVY OFF RLST SEA PAY TOTAL = 1220.4900
FILE= 469 TITLE=CF--NAVY OFF RLST PREM SEA PAY TOTAL = 626.9900
FILE= 470 TITLE=CF--NAVY OFF RLST ACIP TOTAL = 4326.7500
FILE= 471 TITLE=CF--NAVY OFF RLST SUB PAY TOTAL = 1807.6899
FILE= 472 TITLE=CF--NAVY OFF RLST NUC ACC BONUS TOTAL = 0.0
FILE= 473 TITLE=CF--NAVY OFF RLST PCS(TRNG) TOTAL = 4182.9883
FILE= 474 TITLE=CF--NAVY OFF RLST PCS(ORU) TOTAL = 8433.0195
FILE= 475 TITLE=CF--NAVY OFF RLST AOCP TOTAL = 4977.0000
FILE= 476 TITLE=CF--NAVY OFF TOTAL SEA PAY TOTAL = 1610.3599
FILE= 477 TITLE=CF--NAVY OFF TOTAL PREM SEA PAY TOTAL = 685.4199
FILE= 478 TITLE=CF--NAVY OFF TOTAL ACIP TOTAL = 3213.5999
FILE= 479 TITLE=CF--NAVY OFF TOTAL SUB PAY TOTAL = 3119.5398
FILE= 480 TITLE=CF--NAVY OFF TOTAL NUC ACC BONUS TOTAL = 4478.0391
FILE= 481 TITLE=CF--NAVY OFF TOTAL PCS(TRNG) TOTAL = 3684.8098
FILE= 482 TITLE=CF--NAVY OFF TOTAL PCS(ORU) TOTAL = 7520.9766
FILE= 483 TITLE=CF--NAVY OFF TOTAL AOCP TOTAL = 5959.5195
FILE= 484 TITLE=CF--NAVY WRT TOTAL SEA PAY TOTAL = 2063.0000
FILE= 485 TITLE=CF--NAVY WRT TOTAL PREM SEA PAY TOTAL = 723.2100
FILE= 486 TITLE=CF--NAVY WRT TOTAL ACIP TOTAL = 1892.3098
FILE= 487 TITLE=CF--NAVY WRT TOTAL SUB PAY TOTAL = 2879.4700
FILE= 488 TITLE=CF--NAVY WRT TOTAL NUC ACC BONUS TOTAL = 3063.8899
FILE= 489 TITLE=CF--NAVY WRT TOTAL PCS(TRNG) TOTAL = 4239.1484
FILE= 490 TITLE=CF--NAVY WRT TOTAL PCS(ORU) TOTAL = 6016.6992
FILE= 491 TITLE=CF--NAVY WRT TOTAL AOCP TOTAL = 5900.0000
FILE= 492 TITLE=ENT--NAVY OFF LEGAL SEA PAY TOTAL = 0.0079
FILE= 493 TITLE=ENT--NAVY OFF LEGAL PREM SEA PAY TOTAL = 0.0
FILE= 494 TITLE=ENT--NAVY OFF LEGAL ACIP TOTAL = 0.0011
FILE= 495 TITLE=ENT--NAVY OFF LEGAL SUB PAY TOTAL = 0.0
FILE= 496 TITLE=ENT--NAVY OFF LEGAL NUC ACC BONUS TOTAL = 0.0
FILE= 497 TITLE=ENT--NAVY OFF LEGAL PCS(TRNG) TOTAL = 0.0340
FILE= 498 TITLE=ENT--NAVY OFF LEGAL PCS(ORU) TOTAL = 0.2322
FILE= 499 TITLE=ENT--NAVY OFF LEGAL AOCP TOTAL = 0.0
FILE= 500 TITLE=ENT--NAVY OFF CHAPLAIN SEA PAY TOTAL = 0.0812

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 501 TITLE=ENT--NAVY OFF CHAPLAIN PREM SEA PAY TOTAL = 0.0011
FILE= 502 TITLE=ENT--NAVY OFF CHAPLAIN ACIP TOTAL = 0.0
FILE= 503 TITLE=ENT--NAVY OFF CHAPLAIN SUB PAY TOTAL = 0.0033
FILE= 504 TITLE=ENT--NAVY OFF CHAPLAIN NUC ACC BONUS TOTAL = 0.0
FILE= 505 TITLE=ENT--NAVY OFF CHAPLAIN PCS(TRNG) TOTAL = 0.0549
FILE= 506 TITLE=ENT--NAVY OFF CHAPLAIN PCS(ORU) TOTAL = 0.3248
FILE= 507 TITLE=ENT--NAVY OFF CHAPLAIN AOCP TOTAL = 0.0
FILE= 508 TITLE=ENT--NAVY OFF PHYS SEA PAY TOTAL = 0.0052
FILE= 509 TITLE=ENT--NAVY OFF PHYS PREM SEA PAY TOTAL = 0.0
FILE= 510 TITLE=ENT--NAVY OFF PHYS ACIP TOTAL = 0.0829
FILE= 511 TITLE=ENT--NAVY OFF PHYS SUB PAY TOTAL = 0.0031
FILE= 512 TITLE=ENT--NAVY OFF PHYS NUC ACC BONUS TOTAL = 0.0
FILE= 513 TITLE=ENT--NAVY OFF PHYS PCS(TRNG) TOTAL = 0.1251
FILE= 514 TITLE=ENT--NAVY OFF PHYS PCS(ORU) TOTAL = 0.1272
FILE= 515 TITLE=ENT--NAVY OFF PHYS AOCP TOTAL = 0.0
FILE= 516 TITLE=ENT--NAVY OFF DENT SEA PAY TOTAL = 0.0193
FILE= 517 TITLE=ENT--NAVY OFF DENT PREM SEA PAY TOTAL = 0.0
FILE= 518 TITLE=ENT--NAVY OFF DENT ACIP TOTAL = 0.0
FILE= 519 TITLE=ENT--NAVY OFF DENT SUB PAY TOTAL = 0.0
FILE= 520 TITLE=ENT--NAVY OFF DENT NUC ACC BONUS TOTAL = 0.0
FILE= 521 TITLE=ENT--NAVY OFF DENT PCS(TRNG) TOTAL = 0.0403
FILE= 522 TITLE=ENT--NAVY OFF DENT PCS(ORU) TOTAL = 0.2391
FILE= 523 TITLE=ENT--NAVY OFF DENT AOCP TOTAL = 0.0
FILE= 524 TITLE=ENT--NAVY OFF NURSE SEA PAY TOTAL = 0.0004
FILE= 525 TITLE=ENT--NAVY OFF NURSE PREM SEA PAY TOTAL = 0.0
FILE= 526 TITLE=ENT--NAVY OFF NURSE ACIP TOTAL = 0.0
FILE= 527 TITLE=ENT--NAVY OFF NURSE SUB PAY TOTAL = 0.0
FILE= 528 TITLE=ENT--NAVY OFF NURSE NUC ACC BONUS TOTAL = 0.0
FILE= 529 TITLE=ENT--NAVY OFF NURSE PCS(TRNG) TOTAL = 0.0301
FILE= 530 TITLE=ENT--NAVY OFF NURSE PCS(ORU) TOTAL = 0.2621
FILE= 531 TITLE=ENT--NAVY OFF NURSE AOCP TOTAL = 0.0
FILE= 532 TITLE=ENT--NAVY OFF MSC SEA PAY TOTAL = 0.0054
FILE= 533 TITLE=ENT--NAVY OFF MSC PREM SEA PAY TOTAL = 0.0
FILE= 534 TITLE=ENT--NAVY OFF MSC ACIP TOTAL = 0.0515
FILE= 535 TITLE=ENT--NAVY OFF MSC SUB PAY TOTAL = 0.0016
FILE= 536 TITLE=ENT--NAVY OFF MSC NUC ACC BONUS TOTAL = 0.0
FILE= 537 TITLE=ENT--NAVY OFF MSC PCS(TRNG) TOTAL = 0.0282
FILE= 538 TITLE=ENT--NAVY OFF MSC PCS(ORU) TOTAL = 0.2863
FILE= 539 TITLE=ENT--NAVY OFF MSC AOCP TOTAL = 0.0
FILE= 540 TITLE=ENT--NAVY OFF PILOTS SEA PAY TOTAL = 0.0894
FILE= 541 TITLE=ENT--NAVY OFF PILOTS PREM SEA PAY TOTAL = 0.0043
FILE= 542 TITLE=ENT--NAVY OFF PILOTS ACIP TOTAL = 0.9463
FILE= 543 TITLE=ENT--NAVY OFF PILOTS SUB PAY TOTAL = 0.0004
FILE= 544 TITLE=ENT--NAVY OFF PILOTS NUC ACC BONUS TOTAL = 0.0
FILE= 545 TITLE=ENT--NAVY OFF PILOTS PCS(TRNG) TOTAL = 0.1554
FILE= 546 TITLE=ENT--NAVY OFF PILOTS PCS(ORU) TOTAL = 0.1989
FILE= 547 TITLE=ENT--NAVY OFF PILOTS AOCP TOTAL = 0.3226
FILE= 548 TITLE=ENT--NAVY OFF NFO SEA PAY TOTAL = 0.1008
FILE= 549 TITLE=ENT--NAVY OFF NFO PREM SEA PAY TOTAL = 0.0030
FILE= 550 TITLE=ENT--NAVY OFF NFO ACIP TOTAL = 0.9708

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 551 TITLE=ENT--NAVY OFF NFO SUB PAY TOTAL = 0.0014
FILE= 552 TITLE=ENT--NAVY OFF NFO NUC ACC BONUS TOTAL = 0.0002
FILE= 553 TITLE=ENT--NAVY OFF NFO PCS(TRNG) TOTAL = 0.1416
FILE= 554 TITLE=ENT--NAVY OFF NFO PCS(ORU) TOTAL = 0.1977
FILE= 555 TITLE=ENT--NAVY OFF NFO AOCP TOTAL = 0.3484
FILE= 556 TITLE=ENT--NAVY OFF SWO SEA PAY TOTAL = 0.2771
FILE= 557 TITLE=ENT--NAVY OFF SWO PREM SEA PAY TOTAL = 0.0866
FILE= 558 TITLE=ENT--NAVY OFF SWO ACIP TOTAL = 0.0047
FILE= 559 TITLE=ENT--NAVY OFF SWO SUB PAY TOTAL = 0.0041
FILE= 560 TITLE=ENT--NAVY OFF SWO NUC ACC BONUS TOTAL = 0.0307
FILE= 561 TITLE=ENT--NAVY OFF SWO PCS(TRNG) TOTAL = 0.1146
FILE= 562 TITLE=ENT--NAVY OFF SWO PCS(ORU) TOTAL = 0.2312
FILE= 563 TITLE=ENT--NAVY OFF SWO AOCP TOTAL = 0.0001
FILE= 564 TITLE=ENT--NAVY OFF SUBM SEA PAY TOTAL = 0.2634
FILE= 565 TITLE=ENT--NAVY OFF SUBM PREM SEA PAY TOTAL = 0.0860
FILE= 566 TITLE=ENT--NAVY OFF SUBM ACIP TOTAL = 0.0004
FILE= 567 TITLE=ENT--NAVY OFF SUBM SUB PAY TOTAL = 0.8623
FILE= 568 TITLE=ENT--NAVY OFF SUBM NUC ACC BONUS TOTAL = 0.4742
FILE= 569 TITLE=ENT--NAVY OFF SUBM PCS(TRNG) TOTAL = 0.1516
FILE= 570 TITLE=ENT--NAVY OFF SUBM PCS(ORU) TOTAL = 0.1750
FILE= 571 TITLE=ENT--NAVY OFF SUBM AOCP TOTAL = 0.0
FILE= 572 TITLE=ENT--NAVY OFF LDO SEA PAY TOTAL = 0.3809
FILE= 573 TITLE=ENT--NAVY OFF LDO PREM SEA PAY TOTAL = 0.0716
FILE= 574 TITLE=ENT--NAVY OFF LDO ACIP TOTAL = 0.0111
FILE= 575 TITLE=ENT--NAVY OFF LDO SUB PAY TOTAL = 0.1534
FILE= 576 TITLE=ENT--NAVY OFF LDO NUC ACC BONUS TOTAL = 0.0702
FILE= 577 TITLE=ENT--NAVY OFF LDO PCS(TRNG) TOTAL = 0.0147
FILE= 578 TITLE=ENT--NAVY OFF LDO PCS(ORU) TOTAL = 0.2499
FILE= 579 TITLE=ENT--NAVY OFF LDO AOCP TOTAL = 0.0019
FILE= 580 TITLE=ENT--NAVY OFF URLGEN SEA PAY TOTAL = 0.0062
FILE= 581 TITLE=ENT--NAVY OFF URLGEN PREM SEA PAY TOTAL = 0.0021
FILE= 582 TITLE=ENT--NAVY OFF URLGEN ACIP TOTAL = 0.0024
FILE= 583 TITLE=ENT--NAVY OFF URLGEN SUB PAY TOTAL = 0.0042
FILE= 584 TITLE=ENT--NAVY OFF URLGEN NUC ACC BONUS TOTAL = 0.0
FILE= 585 TITLE=ENT--NAVY OFF URLGEN PCS(TRNG) TOTAL = 0.0405
FILE= 586 TITLE=ENT--NAVY OFF URLGEN PCS(ORU) TOTAL = 0.1996
FILE= 587 TITLE=ENT--NAVY OFF URLGEN AOCP TOTAL = 0.0
FILE= 588 TITLE=ENT--NAVY OFF RLST SEA PAY TOTAL = 0.0877
FILE= 589 TITLE=ENT--NAVY OFF RLST PREM SEA PAY TOTAL = 0.0051
FILE= 590 TITLE=ENT--NAVY OFF RLST ACIP TOTAL = 0.0363
FILE= 591 TITLE=ENT--NAVY OFF RLST SUB PAY TOTAL = 0.0332
FILE= 592 TITLE=ENT--NAVY OFF RLST NUC ACC BONUS TOTAL = 0.0
FILE= 593 TITLE=ENT--NAVY OFF RLST PCS(TRNG) TOTAL = 0.0818
FILE= 594 TITLE=ENT--NAVY OFF RLST PCS(ORU) TOTAL = 0.2538
FILE= 595 TITLE=ENT--NAVY OFF RLST AOCP TOTAL = 0.0184
FILE= 596 TITLE=ENT--NAVY OFF TOTAL SEA PAY TOTAL = 0.1425
FILE= 597 TITLE=ENT--NAVY OFF TOTAL PREM SEA PAY TOTAL = 0.0309
FILE= 598 TITLE=ENT--NAVY OFF TOTAL ACIP TOTAL = 0.2762
FILE= 599 TITLE=ENT--NAVY OFF TOTAL SUB PAY TOTAL = 0.0810
FILE= 600 TITLE=ENT--NAVY OFF TOTAL NUC ACC BONUS TOTAL = 0.0465

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 601 TITLE=ENT--NAVY OFF TOTAL PCS(TRNG) TOTAL = 0.1040
FILE= 602 TITLE=ENT--NAVY OFF TOTAL PCS(ORU) TOTAL = 0.2202
FILE= 603 TITLE=ENT--NAVY OFF TOTAL AOCP TOTAL = 0.0942
FILE= 604 TITLE=ENT--NAVY WRT TOTAL SEA PAY TOTAL = 0.3985
FILE= 605 TITLE=ENT--NAVY WRT TOTAL PREM SEA PAY TOTAL = 0.0628
FILE= 606 TITLE=ENT--NAVY WRT TOTAL ACIP TOTAL = 0.0042
FILE= 607 TITLE=ENT--NAVY WRT TOTAL SUB PAY TOTAL = 0.0494
FILE= 608 TITLE=ENT--NAVY WRT TOTAL NUC ACC BONUS TOTAL = 0.0118
FILE= 609 TITLE=ENT--NAVY WRT TOTAL PCS(TRNG) TOTAL = 0.0042
FILE= 610 TITLE=ENT--NAVY WRT TOTAL PCS(ORU) TOTAL = 0.1765
FILE= 611 TITLE=ENT--NAVY WRT TOTAL AOCP TOTAL = 0.0003
FILE= 612 TITLE=ARMY/OFF/OCCGRP:DEN /PAY FACTOR: SPECIAL ACCDU
FILE= 613 TITLE=ARMY/OFF/OCCGRP:MED /PAY FACTOR: VARBL SPECIAL
FILE= 614 TITLE=ARMY/OFF/OCCGRP:MED /PAY FACTOR: BOARD CERT
FILE= 615 TITLE=ARMY/OFF/OCCGRP:MED /PAY FACTOR: ADD'L SPECIAL
FILE= 616 TITLE=ARMY/OFF/OCCGRP:MED /PAY FACTOR: INCENT SPECIAL
FILE= 617 TITLE=ARMY/OFF/OCCGRP:DEN /PAY FACTOR: CONTINUATION
FILE= 618 TITLE=NAVY/OFF/OCCGRP:DEN /PAY FACTOR: SPECIAL
FILE= 619 TITLE=NAVY/OFF/OCCGRP:MED /PAY FACTOR: VARBL SPECIAL
FILE= 620 TITLE=NAVY/OFF/OCCGRP:MED /PAY FACTOR: BOARD CERT
FILE= 621 TITLE=NAVY/OFF/OCCGRP:MED /PAY FACTOR: ADD'L SPECIAL
FILE= 622 TITLE=NAVY/OFF/OCCGRP:MED /PAY FACTOR: INCENT SPECIAL
FILE= 623 TITLE=NAVY/OFF/OCCGRP:DEN /PAY FACTOR: CONTINUATION
FILE= 624 TITLE=USAF/OFF/OCCGRP:DEN /PAY FACTOR: SPECIAL
FILE= 625 TITLE=USAF/OFF/OCCGRP:DEN /PAY FACTOR: CONTINUATION
FILE= 626 TITLE=ARMY/OFF/OCCGRP:MED /ENTITLEMENT: BOARD CERT
FILE= 627 TITLE=ARMY/OFF/OCCGRP:MED /ENTITLEMENT: ADD'L SPECIAL
FILE= 628 TITLE=ARMY/OFF/OCCGRP:MED /ENTITLEMENT: INCENT SPECIAL
FILE= 629 TITLE=ARMY/OFF/OCCGRP:DEN /ENTITLEMENT: CONTINUATION
FILE= 630 TITLE=NAVY/OFF/OCCGRP:MED /ENTITLEMENT: BOARD CERT
FILE= 631 TITLE=NAVY/OFF/OCCGRP:MED /ENTITLEMENT: SPECIAL ADD'L
FILE= 632 TITLE=NAVY/OFF/OCCGRP:MED /ENTITLEMENT: SPECIAL INCENT
FILE= 633 TITLE=NAVY/OFF/OCCGRP:DEN /ENTITLEMENT: SPECIAL CONTINUATION
FILE= 634 TITLE=USAF/OFF/OCCGRP:MED /ENTITLEMENT: BOARD CERT
FILE= 635 TITLE=USAF/OFF/OCCGRP:MED /ENTITLEMENT: SPECIAL ADD'L
FILE= 636 TITLE=USAF/OFF/OCCGRP:MED /ENTITLEMENT: SPECIAL INCENT
FILE= 637 TITLE=USAF/OFF/OCCGRP:DEN /ENTITLEMENT: SPECIAL CONTINUATION
FILE= 638 TITLE=ARMY/ENL/OCCGRP:00XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 639 TITLE=ARMY/ENL/OCCGRP:01XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 640 TITLE=ARMY/ENL/OCCGRP:02XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 641 TITLE=ARMY/ENL/OCCGRP:03XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 642 TITLE=ARMY/ENL/OCCGRP:04XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 643 TITLE=ARMY/ENL/OCCGRP:05XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 644 TITLE=ARMY/ENL/OCCGRP:06XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 645 TITLE=ARMY/ENL/OCCGRP:07XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 646 TITLE=ARMY/ENL/OCCGRP:08XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 647 TITLE=ARMY/ENL/OCCGRP:09XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 648 TITLE=NAVY/ENL/OCCGRP:00XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 649 TITLE=NAVY/ENL/OCCGRP:01XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 650 TITLE=NAVY/ENL/OCCGRP:02XX/PAY FACTOR: ENLISTMENT BONUS

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 651 TITLE=NAVY/ENL/OCCGRP:03XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 652 TITLE=NAVY/ENL/OCCGRP:04XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 653 TITLE=NAVY/ENL/OCCGRP:05XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 654 TITLE=NAVY/ENL/OCCGRP:06XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 655 TITLE=NAVY/ENL/OCCGRP:07XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 656 TITLE=NAVY/ENL/OCCGRP:08XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 657 TITLE=NAVY/ENL/OCCGRP:09XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 658 TITLE=USAF/ENL/OCCGRP:02XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 659 TITLE=USAF/ENL/OCCGRP:04XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 660 TITLE=USAF/ENL/OCCGRP:06XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 661 TITLE=USAF/ENL/OCCGRP:09XX/PAY FACTOR: ENLISTMENT BONUS
FILE= 662 TITLE=ARMY/ENL/OCCGRP:00XX/ENTITLMENT: ENLISTMENT BONUS
FILE= 663 TITLE=ARMY/ENL/OCCGRP:01XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 664 TITLE=ARMY/ENL/OCCGRP:02XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 665 TITLE=ARMY/ENL/OCCGRP:03XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 666 TITLE=ARMY/ENL/OCCGRP:04XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 667 TITLE=ARMY/ENL/OCCGRP:05XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 668 TITLE=ARMY/ENL/OCCGRP:06XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 669 TITLE=ARMY/ENL/OCCGRP:07XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 670 TITLE=ARMY/ENL/OCCGRP:08XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 671 TITLE=ARMY/ENL/OCCGRP:09XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 672 TITLE=NAVY/ENL/OCCGRP:00XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 673 TITLE=NAVY/ENL/OCCGRP:01XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 674 TITLE=NAVY/ENL/OCCGRP:02XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 675 TITLE=NAVY/ENL/OCCGRP:03XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 676 TITLE=NAVY/ENL/OCCGRP:04XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 677 TITLE=NAVY/ENL/OCCGRP:05XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 678 TITLE=NAVY/ENL/OCCGRP:06XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 679 TITLE=NAVY/ENL/OCCGRP:07XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 680 TITLE=NAVY/ENL/OCCGRP:08XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 681 TITLE=NAVY/ENL/OCCGRP:09XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 682 TITLE=USAF/ENL/OCCGRP:02XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 683 TITLE=USAF/ENL/OCCGRP:04XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 684 TITLE=USAF/ENL/OCCGRP:06XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 685 TITLE=USAF/ENL/OCCGRP:09XX/ENTITLEMENT: ENLISTMENT BONUS
FILE= 686 TITLE=CF USMC ACIP, PILOTS &NFO
FILE= 687 TITLE=ENT USMC ACIP,PILOTS & NFO
FILE= 688 TITLE=CF--USMC AOCP, PILOTS & NFO
FILE= 689 TITLE=ENT--USMC AOCP, PILOTS
FILE= 690 TITLE=ENT--USMC AOCP, NFO
FILE= 691 TITLE=CF--USMC SRB, ALL CATEGORIES
FILE= 692 TITLE=ENT--USMC SRB, OCC = 00
FILE= 693 TITLE=ENT--USMC SRB, OCC =01
FILE= 694 TITLE=ENT--USMC SRB, OCC =02
FILE= 695 TITLE=ENT--USMC SRB, OCC = 04
FILE= 696 TITLE=ENT--USMC SRB, OCC = 05
FILE= 697 TITLE=ENT--USMC SRB, OCC = 06
FILE= 698 TITLE=ENT--USMC SRB, OCC = 07
FILE= 699 TITLE=ENT--USMC SRB, OCC = 08
FILE= 700 TITLE=ENT--USMC SRB, OCC = 09

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 701 TITLE=ENT--ARMY ACIP,OFF PLT
FILE= 702 TITLE=CF--ARMY ACIP,OFF PLTS
FILE= 703 TITLE=ENT--ARMY ACIP, WRT PLT
FILE= 704 TITLE=CF--ARMY ACIP,WRT PLT
FILE= 705 TITLE=ENT--ARMY SRB, OCC = 00
FILE= 706 TITLE=ENT--ARMY SRB, OCC = 01
FILE= 707 TITLE=ENT--ARMY SRB, OCC = 02
FILE= 708 TITLE=ENT-- ARMY SRB, OCC = 03
FILE= 709 TITLE=ENT-- ARMY SRB, OCC = 04
FILE= 710 TITLE=ENT-- ARMY SRB, OCC = 05
FILE= 711 TITLE=ENT-- ARMY SRB, OCC = 06
FILE= 712 TITLE=ENT-- ARMY SRB, OCC = 07
FILE= 713 TITLE=ENT-- ARMY SRB, OCC = 08
FILE= 714 TITLE=CF-- ARMY SRB, OCC = 00
FILE= 715 TITLE=CF-- ARMY SRB, OCC = 01
FILE= 716 TITLE=CF-- ARMY SRB, OCC = 02
FILE= 717 TITLE=CF-- ARMY SRB, OCC = 03
FILE= 718 TITLE=CF-- ARMY SRB, OCC = 04
FILE= 719 TITLE=CF--ARMY SRB, OCC = 05
FILE= 720 TITLE=CF-- ARMY SRB, OCC = 06
FILE= 721 TITLE=CF-- ARMY SRB, OCC = 07
FILE= 722 TITLE=CF-- ARMY SRB, OCC = 08
FILE= 723 TITLE=CF-- USAF ENL SRB, ALL CATEGORIES
FILE= 724 TITLE=ENT-- USAF ENL SRB, ALL CATEGORIES
FILE= 725 TITLE=CF--USAF ACIP,PILOTS & NAVS
FILE= 726 TITLE=CF--AF ENL VAR IST COST FOR OCC=07 ($4260)
FILE= 727 TITLE=CF--AF ENL VAR IST COST FOR OCC=08 ($3121)
FILE= 728 TITLE=ENT--USAF VET SPCL PAY
FILE= 729 TITLE=ENT--USAF OPTOMETRIST SPCL PAY
FILE= 730 TITLE=ENT--NAVY OPTOMETRIST SPCL PAY
FILE= 731 TITLE=CF--OPTOMETRIST,VETERINARIAN SPECIAL PAY ($100/MONTH)
FILE= 732 TITLE=CF--NUC ACCESSION BONUS ($6000--2 $3000 PAYMENTS)
FILE= 733 TITLE=CF--USAF OFF ESCCP ($5033 FOR YOS=5-11)
FILE= 734 TITLE=CF--USMC IST COST ENL FOR OCC=00 ($2770)
FILE= 735 TITLE=CF--USMC ENL IST COST FOR OCC=05XX ($3068)
FILE= 736 TITLE=CF--USMC ENL IST COST FOR OCC=04XX ($7512)
FILE= 737 TITLE=CF--USMC ENL IST COST FOR OCC=02XX ($8851)
FILE= 738 TITLE=CF--USMC ENL IST COST FOR OCC=01XX ($17038)
FILE= 739 TITLE=CF--NAVY OFF NUC INC PAY ($6000/YEAR)
FILE= 740 TITLE=ENT--NAVY NUC INC PAY FOR SUB OFFICERS
FILE= 741 TITLE=ENT--NAVY NUC INC PAY FOR SURF OFFICERS
FILE= 742 TITLE=ENT--USAF OFF ESCCP (.2595 FOR YOS=5-11)
FILE= 743 TITLE=CF--USAF/OFF/OCCGRP:MED /PAY FACTOR: VARBL SPECIAL
FILE= 744 TITLE=CF--USAF/OFF/OCCGRP:MED /PAY FACTOR: BOARD CERT
FILE= 745 TITLE=CF--USAF/OFF/OCCGRP:MED /PAY FACTOR: ADD'L SPECIAL
FILE= 746 TITLE=CF--USAF/OFF/OCCGRP:MED /PAY FACTOR: INCENTIVE
FILE= 747 TITLE=ENT--ARMY OPTOMETRIST SPECIAL PAY (IN MSC CATEGORY)
FILE= 748 TITLE=C --BASIC PAY,OFFICER,1 OCT 1981,CAPPED AT $4176.00
FILE= 749 TITLE=CF--BASIC PAY,WARRANT,1 OCT 1981
FILE= 750 TITLE=CF--BASIC PAY,ENLISTED,1 OCT 1981,E-8/9 GRADES FILLED IN

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 751 TITLE=ENLISTED RETIREE DEATH RATES, NON-DISABILITY
FILE= 752 TITLE=OFFICER RETIREE DEATH RATES, NON-DISABILITY
FILE= 753 TITLE=OFFICER ND RET PAY 5% 5.5% EAGE=23 PPSSCC W/6% REDUCTION
FILE= 754 TITLE=CF--WRT ND RET PAY 5% 5.5% EAGE=20 6%RED PPSSCC
FILE= 755 TITLE=CF--ENL ND RET PAY 5% 5.5% EAGE=19 PPSSCC 6% RED
FILE= 756 TITLE=CF--OFF VESTING UNDER PPSSCC 24A,EVERYONE TAKES AT 55
FILE= 757 TITLE=CF--ENL VESTING UNDER PPSSCC 24A,EVERYONE TAKES AT 55
FILE= 758 TITLE=CF--WRT VESTING UNDER PPSSCC 24A,EVERYONE TAKES AT 55
FILE= 759 TITLE=CF--OFF VESTING PPSSCC 24A 3%DECR
FILE= 760 TITLE=CF--WRT VESTING OPT24A DECR 3%
FILE= 761 TITLE=CF--ENL VESTINGOPT 24A DECR=3%
FILE= 762 TITLE=CF--OFF VESTING OPT 24A FULL AT AGE65
FILE= 763 TITLE=CF--WRT VESTING OPT 24A FULL AT AGE=65
FILE= 764 TITLE=CF--ENL VESTING OPT 24A FULL ATAGE=65
FILE= 765 TITLE=CF--OFF ND OPT 24A DECR 3%
FILE= 766 TITLE=CF--WRT NDIS OPT 24A DECR 3%
FILE= 767 TITLE=CF--ENL NDIS OPT 24A DECR 3%
FILE= 768 TITLE=CF--OFF NDIS RETPAY OPT 24A DELAY TO 30YOS
FILE= 769 TITLE=CF--WRT NDIS RETPAY OPT 24A DELAY TO YOS=30
FILE= 770 TITLE=CF--ENL NDIS RETPAY OPT 24A DELAY TO 30 YOS
FILE= 771 TITLE=CF--OFF NDISRETPAY CURRENT SYSTEM HI-3
FILE= 772 TITLE=CF--WRT NDIS RET PAY--CURR SYSTEM, HI-3
FILE= 773 TITLE=CF--ENL NDIS RET PAY--CURRSYSTEM,HI-3
FILE= 774 TITLE=CF--OFF DIS RET PAY CURR SYSTEM HI-3
FILE= 775 TITLE=CF--WRT DIS RET PAY,CURR SYS HI-3
FILE= 776 TITLE=CF--ENL DIS RET PAY, CURR SYS HI-3
FILE= 777 TITLE=CF--TOTAL VHA,USMC ENLISTED (CORRECTED)
FILE= 778 TITLE=CF--USMC SRB, ALL CATEGORIES
FILE= 779 TITLE=CF--NAVY OFF VAR IST FOR SWO=$18,555 (REVISED 22 JULY)
FILE= 780 TITLE=CF--NAVY OFF VAR IST COST FOR SUBM=$49,152 (REVISED 22 JULY)
FILE= 781 TITLE=ENT--USMC AOCP, NFO
FILE= 782 TITLE=CF--OFF NDIS--1.75/3.0 FULLY INDEXED SHS4
FILE= 783 TITLE=CF--WRT NDIS--1.75/3.0 FULLY INDEXED SHS4
FILE= 784 TITLE=CF--ENL NDIS--1.75/3.0 FULLY INDEXED SHS4
FILE= 785 TITLE=CF--OFF VSTG--VESTING AT 15, PAYABLE AT 60, 1.75%/3.0%
FILE= 786 TITLE=CF--WRT VSTG--VESTING AT 15, PAYABLE AT 60, 1.75%/3.0%
FILE= 787 TITLE=CF--ENL VSTG--VESTING AT 15, PAYABLE AT 60, 1.75%/3.0%
FILE= 788 TITLE=CF--OFF DISBDISABILITY RETIRED PAY CURRENT SYSTEM HIGH-0 57% MINIMUM
FILE= 789 TITLE=CF--WRT DISBDISABILITY RETIRED PAY CURRENT SYSTEM HIGH-0 57% MINIMUM
FILE= 790 TITLE=CF--ENL DISBDISABILITY RETIRED PAY CURRENT SYSTEM HIGH-0 57% MINIMUM
FILE= 791 TITLE=CF--OFF DISB--DISABILITY HIGH-3 MINIMUM 57%
FILE= 792 TITLE=CF--WRT DISB--DISABILITY HIGH-3 MINIMUM 57%
FILE= 793 TITLE=CF--ENL DISB--DISABILITY HIGH-3 MINIMUM 57%
FILE= 794 TITLE=CF--OFF NDIS--CURRENT SYSTEM,TERM PAY, USING MY
FILE= 795 TITLE=CF--WRT NDIS--CURRENT SYSTEM,TERM PAY, USING MY
FILE= 796 TITLE=CF--ENL NDIS--CURRENT SYSTEM,TERM PAY, USING MY
FILE= 797 TITLE=CF--OFF NDIS--CURRENT SYSTEM,HI-3, USING MY
FILE= 798 TITLE=CF--WRT NDIS--CURRENT SYSTEM,HI-3, USING MY
FILE= 799 TITLE=CF--ENL NDIS--CURRENT SYSTEM,HI-3, USING MY
FILE= 800 TITLE=CF--OFF NDIS--PPSSCC 24A 6% PENALTY/YR SHORT OF 30

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 801 TITLE=CF--WRT NDIS--PPSSCC 24A 6% PENALTY/YR SHORT OF 30
FILE= 802 TITLE=CF--ENL NDIS--PPSSCC 24A 6% PENALTY/YR SHORT OF 30
FILE= 803 TITLE=CF--OFF NDIS--PPSSCC 24A 3% REDUCTION/YR SHORT OF 30
FILE= 804 TITLE=CF--WRT NDIS--PPSSCC 24A 3% REDUCTION/YR SHORT OF 30
FILE= 805 TITLE=CF--ENL NDIS--PPSSCC 24A 3% REDUCTION/YR SHORT OF 30
FILE= 806 TITLE=CF--OFF VSTG--PPSSCC 24A 6% REDUCTION/YR PRIOR TO 65--VESTING
FILE= 807 TITLE=CF--WRT VSTG--PPSSCC 24A 6% REDUCTION/YR PRIOR TO 65--VESTING
FILE= 808 TITLE=CF--ENL VSTG--PPSSCC 24A 6% REDUCTION/YR PRIOR TO 65--VESTING
FILE= 809 TITLE=CF--OFF VSTG--VESTING PPSSCC 24A 3% REDUCTION/YR PRIOR TO AGE=65
FILE= 810 TITLE=CF--WRT VSTG--VESTING PPSSCC 24A 3% REDUCTION/YR PRIOR TO AGE=65
FILE= 811 TITLE=CF--ENL VSTG--VESTING PPSSCC 24A 3% REDUCTION/YR PRIOR TO AGE=65
FILE= 812 TITLE=CF--OFF VSTG--VESTING, AT 12YOS PAYABLE AT 30--FULL INDEXING
FILE= 813 TITLE=CF--WRT VSTG--VESTING, AT 12YOS PAYABLE AT 30--FULL INDEXING
FILE= 814 TITLE=CF--ENL VSTG--VESTING, AT 12YOS PAYABLE AT 30--FULL INDEXING
FILE= 815 TITLE=CF--OFF NDIS--HI 3 W/50% COLA UNTIL AGE=62,FULL THEREAFTER
FILE= 816 TITLE=CF--WRT NDIS--HI 3 W/50% COLA UNTIL AGE=62,FULL THEREAFTER
FILE= 817 TITLE=CF--ENL NDIS--HI 3 W/50% COLA UNTIL AGE=62,FULL THEREAFTER
FILE= 818 TITLE=CF--OFF NDIS--30% REDUCTION TO CURRENT SYSTEM,HI-3,FULL INDEX
FILE= 819 TITLE=CF--WRT NDIS--30% REDUCTION TO CURRENT SYSTEM,HI-3,FULL INDEX
FILE= 820 TITLE=CF--ENL NDIS--30% REDUCTION TO CURRENT SYSTEM,HI-3,FULL INDEX
FILE= 821 TITLE=CF--OFF DISB--DISABILITY, PPSSCC 24A OPTION W/6% DECREMENT
FILE= 822 TITLE=CF--WRT DISB--DISABILITY, PPSSCC 24A OPTION W/6% DECREMENT
FILE= 823 TITLE=CF--ENL DISB--DISABILITY, PPSSCC 24A OPTION W/6% DECREMENT
FILE= 824 TITLE=CF--OFF DISB--DISABILITY, PPSSCC 24A OPTION W/3% DECREMENT
FILE= 825 TITLE=CF--WRT DISB--DISABILITY, PPSSCC 24A OPTION W/3% DECREMENT
FILE= 826 TITLE=CF--ENL DISB--DISABILITY, PPSSCC 24A OPTION W/3% DECREMENT
FILE= 827 TITLE=CF--OFF DISB--DISABILITY, 50% COLA UNTIL AGE=62, FULL AFTER
FILE= 828 TITLE=CF--WRT DISB--DISABILITY, 50% COLA UNTIL AGE=62, FULL AFTER
FILE= 829 TITLE=CF--ENL DISB--DISABILITY, 50% COLA UNTIL AGE=62, FULL AFTER
FILE= 830 TITLE=CF--OFF DISB--DISABILITY, CURR HI-3 LESS 30% (NOTE: MIN IS 57%)
FILE= 831 TITLE=CF--WRT DISB--DISABILITY, CURR HI-3 LESS 30% (NOTE: MIN IS 57%)
FILE= 832 TITLE=CF--ENL DISB--DISABILITY, CURR HI-3 LESS 30% (NOTE: MIN IS 57%)
FILE= 833 TITLE=CF--OFF DISB--DISABILITY, SHS4
FILE= 834 TITLE=CF--WRT DISB--DISABILITY, SHS4
FILE= 835 TITLE=CF--ENL DISB--DISABILITY, SHS4
FILE= 836 TITLE=CF--OFF DISB--DISABILITY PPSSCC 6% DECREMENT
FILE= 837 TITLE=CF--WRT DISB--DISABILITY PPSSCC 6% DECREMENT
FILE= 838 TITLE=CF--ENL DISB--DISABILITY PPSSCC 6% DECREMENT
FILE= 839 TITLE=CF--OFF DISB-- DISABILITY PPSSCC 3% DECREMENT
FILE= 840 TITLE=CF--WRT DISB-- DISABILITY PPSSCC 3% DECREMENT
FILE= 841 TITLE=CF--ENL DISB-- DISABILITY PPSSCC 3% DECREMENT
FILE= 842 TITLE=CF--OFF DISB-- DISABILITY PARTIAL INDEXING 50% COLA UNTIL AGE 62
FILE= 843 TITLE=CF--WRT DISB-- DISABILITY PARTIAL INDEXING 50% COLA UNTIL AGE 62
FILE= 844 TITLE=CF--ENL DISB-- DISABILITY PARTIAL INDEXING 50% COLA UNTIL AGE 62
FILE= 845 TITLE=CF--OFF DISB-- DISABILITY CURRENT SYSTEM LESS 30%
FILE= 846 TITLE=CF--WRT DISB-- DISABILITY CURRENT SYSTEM LESS 30%
FILE= 847 TITLE=CF--ENL DISB-- DISABILITY CURRENT SYSTEM LESS 30%
FILE= 848 TITLE=CF--OFF DISB-- DISABILITY SHS 4
FILE= 849 TITLE=CF--WRT DISB-- DISABILITY SHS 4
FILE= 850 TITLE=CF--ENL DISB-- DISABILITY SHS 4

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 851 TITLE=CF--BONUS (15% OF BASIC PAY)--OFFICER
FILE= 852 TITLE=CF--BONUS (15% OF BASIC PAY)--WARRANT
FILE= 853 TITLE=CF--BONUS (15% OF BASIC PAY)--ENLISTED
FILE= 854 TITLE=CF--ENL BONUS,USAF AGGREGATE--$39.00
FILE= 855 TITLE=CF--ENL BONUS, NAVY AGGREGATE ($103.00)
FILE= 856 TITLE=CF--ENL BONUS, ARMY AGGREGATE ($1051.00)
FILE= 857 TITLE=CF--1ST VAR COST, NAVY ENL AGGREGATE ($3283.00)
FILE= 858 TITLE=CF--1ST VAR COST, ARMY ENL AGGREGATE ($3294.00)
FILE= 859 TITLE=CF--1ST VAR COST, USAF ENL AGGREGATE ($4912.00)
FILE= 860 TITLE=CF--1ST VAR COST, USMC ENL AGGREGATE ($5788.00)
FILE= 861 TITLE=CF--1ST VAR COST, ARMY OFF AGGREGATE ($11245.00)
FILE= 862 TITLE=CF--1ST VAR COST, ARMY WRT AGGREGATE ($27388.00)
FILE= 863 TITLE=CF--1ST VAR COST, USAF OFF AGGREGATE ($81012.00)
FILE= 864 TITLE=CF--1ST VAR COST, NAVY OFF AGGREGATE ($256,616.00)
FILE= 865 TITLE=CF--1ST VAR COST, USMC OFF AGGREGATE ($265,347.00)
FILE= 866 TITLE=CF--OFF NDISPPSSCC 2% OPTION
FILE= 867 TITLE=CF--WRT NDISPPSSCC 2% OPTION
FILE= 868 TITLE=CF--ENL NDISPPSSCC 2% OPTION
FILE= 869 TITLE=CF--OFF DISB PPSSCC 2% OPTION, DISABILITY
FILE= 870 TITLE=CF--WRT DISB PPSSCC 2% OPTION, DISABILITY
FILE= 871 TITLE=CF--ENL DISB PPSSCC 2% OPTION, DISABILITY
FILE= 872 TITLE=CF--OFF NDIS NON-DISABILITY, PPSSCC 4% OPTION
FILE= 873 TITLE=CF--WRT NDIS NON-DISABILITY, PPSSCC 4% OPTION
FILE= 874 TITLE=CF--ENL NDIS NON-DISABILITY, PPSSCC 4% OPTION
FILE= 875 TITLE=CF--OFF DISB DISABILITY, PPSSCC 4% OPTION
FILE= 876 TITLE=CF--WRT DISB DISABILITY, PPSSCC 4% OPTION
FILE= 877 TITLE=CF--ENL DISB DISABILITY, PPSSCC 4% OPTION
FILE= 878 TITLE=CF--OFF NDIS REDUCED COLA INDEXING UNTIL YOS=30 (33%)
FILE= 879 TITLE=CF--WRT NDIS REDUCED COLA INDEXING UNTIL YOS=30 (33%)
FILE= 880 TITLE=CF--ENL NDIS REDUCED COLA INDEXING UNTIL YOS=30 (33%)
FILE= 881 TITLE=CF--OFF DISB DISABILITY, 33% INDEXING UNTIL YOS=30
FILE= 882 TITLE=CF--WRT DISB DISABILITY, 33% INDEXING UNTIL YOS=30
FILE= 883 TITLE=CF--ENL DISB DISABILITY, 33% INDEXING UNTIL YOS=30
FILE= 884 TITLE=CF--OFF NDIS CURR SYSTEM LESS 20%, NONDISABILITY
FILE= 885 TITLE=CF--WRT NDIS CURR SYSTEM LESS 20%, NONDISABILITY
FILE= 886 TITLE=CF--ENL NDIS CURR SYSTEM LESS 20%, NONDISABILITY
FILE= 887 TITLE=CF--OFF DISB DISABILITY, CURR SYSTEM LESS 20%
FILE= 888 TITLE=CF--WRT DISB DISABILITY, CURR SYSTEM LESS 20%
FILE= 889 TITLE=CF--ENL DISB DISABILITY, CURR SYSTEM LESS 20%
FILE= 890 TITLE=CF--OFF NDIS NON-DISABILITY, CURR SYSTEM LESS 40%
FILE= 891 TITLE=CF--WRT NDIS NON-DISABILITY, CURR SYSTEM LESS 40%
FILE= 892 TITLE=CF--ENL NDIS NON-DISABILITY, CURR SYSTEM LESS 40%
FILE= 893 TITLE=CF--OFF DISB DISABILITY, CURR SYSTEM LESS 40%
FILE= 894 TITLE=CF--WRT DISB DISABILITY, CURR SYSTEM LESS 40%
FILE= 895 TITLE=CF--ENL DISB DISABILITY, CURR SYSTEM LESS 40%
FILE= 896 TITLE=CF--OFF BONS--XMAS BONUS, 150% 0% 0%
FILE= 897 TITLE=CF--WRT BONS--XMAS BONUS, 150% 0% 0%
FILE= 898 TITLE=CF--ENL BONS--XMAS BONUS, 150% 0% 0%
FILE= 899 TITLE=CF--OFF BONS--XMAS BONUS, 150% 25% 60%
FILE= 900 TITLE=CF--WRT BONS--XMAS BONUS, 150% 25% 60%

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 901 TITLE=CF--ENL BONS--XMAS BONUS, 150% 25% 60%
FILE= 902 TITLE=CF--OFF BONS--XMAS BONUS, 150% 30% 70%
FILE= 903 TITLE=CF--WRT BONS--XMAS BONUS, 150% 30% 70%
FILE= 904 TITLE=CF--ENL BONS--XMAS BONUS, 150% 30% 70%
FILE= 905 TITLE=CF--OFF BONS--XMAS BONUS, 160% 0% 0%
FILE= 906 TITLE=CF--WRT BONS--XMAS BONUS, 160% 0% 0%
FILE= 907 TITLE=CF--ENL BONS--XMAS BONUS, 160% 0% 0%
FILE= 908 TITLE=CF--OFF BONS--XMAS BONUS, 160% 20% 40%
FILE= 909 TITLE=CF--WRT BONS--XMAS BONUS, 160% 20% 40%
FILE= 910 TITLE=CF--ENL BONS--XMAS BONUS, 160% 20% 40%
FILE= 911 TITLE=CF--OFF BONS--XMAS BONUS, 160% 25% 40%
FILE= 912 TITLE=CF--WRT BONS--XMAS BONUS, 160% 25% 40%
FILE= 913 TITLE=CF--ENL BONS--XMAS BONUS, 160% 25% 40%
FILE= 914 TITLE=CF--OFF BONS--XMAS BONUS 160% 30% 50%
FILE= 915 TITLE=CF--WRT BONS--XMAS BONUS 160% 30% 50%
FILE= 916 TITLE=CF--ENL BONS--XMAS BONUS 160% 30% 50%
FILE= 917 TITLE=CF--OFF BONS--XMAS BONUS, 210% 0% 0%
FILE= 918 TITLE=CF--WRT BONS--XMAS BONUS, 210% 0% 0%
FILE= 919 TITLE=CF--ENL BONS--XMAS BONUS, 210% 0% 0%
FILE= 920 TITLE=CF--OFF BONS--XMAS BONUS, 210% 50% 70%
FILE= 921 TITLE=CF--WRT BONS--XMAS BONUS, 210% 50% 70%
FILE= 922 TITLE=CF--ENL BONS--XMAS BONUS, 210% 50% 70%
FILE= 923 TITLE=CF--OFF BONS--XMAS BONUS, 210% 50% 80%
FILE= 924 TITLE=CF--WRT BONS--XMAS BONUS, 210% 50% 80%
FILE= 925 TITLE=CF--ENL BONS--XMAS BONUS, 210% 50% 80%
FILE= 926 TITLE=CF--OFF BONS--XMAS BONUS, 270% 0% 0%
FILE= 927 TITLE=CF--WRT BONS--XMAS BONUS, 270% 0% 0%
FILE= 928 TITLE=CF--ENL BONS--XMAS BONUS, 270% 0% 0%
FILE= 929 TITLE=CF--OFF BONS--XMAS BONUS, 270% 70% 100%
FILE= 930 TITLE=CF--WRT BONS--XMAS BONUS, 270% 70% 100%
FILE= 931 TITLE=CF--ENL BONS--XMAS BONUS, 270% 70% 100%
FILE= 932 TITLE=CF--OFF BONS--XMAS BONUS, 160% 0% 40%
FILE= 933 TITLE=CF--WRT BONS--XMAS BONUS, 160% 0% 40%
FILE= 934 TITLE=CF--ENL BONS--XMAS BONUS, 160% 0% 40%
FILE= 935 TITLE=CF--OFF BONS--XMAS BONUS, 160% 0% 50%
FILE= 936 TITLE=CF--WRT BONS--XMAS BONUS, 160% 0% 50%
FILE= 937 TITLE=CF--ENL BONS--XMAS BONUS, 160% 0% 50%
FILE= 938 TITLE=CF--OFF BONS--XMAS BONUS, 160% 0% 60%
FILE= 939 TITLE=CF--WRT BONS--XMAS BONUS, 160% 0% 60%
FILE= 940 TITLE=CF--ENL BONS--XMAS BONUS, 160% 0% 60%
FILE= 941 TITLE=CF--OFF NDIS--33% COLA UNTIL AGE=62
FILE= 942 TITLE=CF--WRT NDIS--33% COLA UNTIL AGE=62
FILE= 943 TITLE=CF--ENL NDIS--33% COLA UNTIL AGE=62
FILE= 944 TITLE=CF--OFF DISB--33% COLA UNTIL AGE=62
FILE= 945 TITLE=CF--WRT DISB--33% COLA UNTIL AGE=62
FILE= 946 TITLE=CF--ENL DISB--33% COLA UNTIL AGE=62
FILE= 947 TITLE=CF--OFF NDIS--50% COLA UNTIL YOS=30
FILE= 948 TITLE=CF--WRT NDIS--50% COLA UNTIL YOS=30
FILE= 949 TITLE=CF--ENL NDIS--50% COLA UNTIL YOS=30
FILE= 950 TITLE=CF--OFF DISB--50% COLA UNTIL YOS=30

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE= 951 TITLE=CF--WRT DISB--50% COLA UNTIL YOS=30
FILE= 952 TITLE=CF--ENL DISB--50% COLA UNTIL YOS=30
FILE= 953 TITLE=CF--OFF BONS--BONUS--160% 40% 50%
FILE= 954 TITLE=CF--WRT BONS--BONUS--160% 40% 50%
FILE= 955 TITLE=CF--ENL BONS--BONUS--160% 40% 50%
FILE= 956 TITLE=CF--OFF BONS--BONUS--210% 60% 100%
FILE= 957 TITLE=CF--WRT BONS--BONUS--210% 60% 100%
FILE= 958 TITLE=CF--ENL BONS--BONUS--210% 60% 100%
FILE= 959 TITLE=CF--OFF BONS--BONUS--120% 0% 0%
FILE= 960 TITLE=CF--WRT BONS--BONUS--120% 0% 0%
FILE= 961 TITLE=CF--ENL BONS--BONUS--120% 0% 0%
FILE= 962 TITLE=CF--OFF BONS--BONUS 150% 25% 50%
FILE= 963 TITLE=CF--WRT BONS--BONUS 150% 25% 50%
FILE= 964 TITLE=CF--ENL BONS--BONUS 150% 25% 50%
FILE= 965 TITLE=CF--OFF BONS--BONUS--190% 0% 0%
FILE= 966 TITLE=CF--WRT BONS--BONUS--190% 0% 0%
FILE= 967 TITLE=CF--ENL BONS--BONUS--190% 0% 0%
FILE= 968 TITLE=CF--OFF BONS--BONUS--225% 0% 0%
FILE= 969 TITLE=CF--WRT BONS--BONUS--225% 0% 0%
FILE= 970 TITLE=CF--ENL BONS--BONUS--225% 0% 0%
FILE= 971 TITLE=CF--OFF BONSBONUS--225% 50% 0%
FILE= 972 TITLE=CF--WRT BONSBONUS--225% 50% 0%
FILE= 973 TITLE=CF--ENL BONSBONUS--225% 50% 0%
FILE= 974 TITLE=CF--OFF BONS--BONUS--275% 0% 0%
FILE= 975 TITLE=CF--WRT BONS--BONUS--275% 0% 0%
FILE= 976 TITLE=CF--ENL BONS--BONUS--275% 0% 0%
FILE= 977 TITLE=CF--OFF BONS--BONUS--250% 0% 0%
FILE= 978 TITLE=CF--WRT BONS--BONUS--250% 0% 0%
FILE= 979 TITLE=CF--ENL BONS--BONUS--250% 0% 0%
FILE= 980 TITLE=CF--OFF BONS--BONUS--200% 0% 0%
FILE= 981 TITLE=CF--WRT BONS--BONUS--200% 0% 0%
FILE= 982 TITLE=CF--ENL BONS--BONUS--200% 0% 0%
FILE= 983 TITLE=CF--OFF BONS--BONUS--200% 50% 0%
FILE= 984 TITLE=CF--WRT BONS--BONUS--200% 50% 0%
FILE= 985 TITLE=CF--ENL BONS--BONUS--200% 50% 0%
FILE= 986 TITLE=CF--OFF NDIS--67% COLA UNTIL 30 YOS
FILE= 987 TITLE=CF--WRT NDIS--67% COLA UNTIL 30 YOS
FILE= 988 TITLE=CF--ENL NDIS--67% COLA UNTIL 30 YOS
FILE= 989 TITLE=CF--OFF DISB--67% COLA UNTIL 30 YOS
FILE= 990 TITLE=CF--WRT DISB--67% COLA UNTIL 30 YOS
FILE= 991 TITLE=CF--ENL DISB--67% COLA UNTIL 30 YOS
FILE= 992 TITLE=CF--OFF NDIS--67% COLA UNTIL AGE 62
FILE= 993 TITLE=CF--WRT NDIS--67% COLA UNTIL AGE 62
FILE= 994 TITLE=CF--ENL NDIS--67% COLA UNTIL AGE 62
FILE= 995 TITLE=CF--OFF DISB--67% COLA UNTIL AGE 62
FILE= 996 TITLE=CF--WRT DISB--67% COLA UNTIL AGE 62
FILE= 997 TITLE=CF--ENL DISB--67% COLA UNTIL AGE 62
FILE= 998 TITLE=CF--OFF NDIS--75% COLA UNTIL AGE 62
FILE= 999 TITLE=CF--WRT NDIS--75% COLA UNTIL AGE 62
FILE=1000 TITLE=CF--ENL NDIS--75% COLA UNTIL AGE 62

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE=1001 TITLE=CF--OFF DISB--75% COLA UNTIL AGE 62
FILE=1002 TITLE=CF--WRT DISB--75% COLA UNTIL AGE 62
FILE=1003 TITLE=CF--ENL DISB--75% COLA UNTIL AGE 62
FILE=1004 TITLE=CF--OFF NDIS--67% COLA UNTIL 62; PEN 3%
FILE=1005 TITLE=CF--WRT NDIS--67% COLA UNTIL 62; PEN 3%
FILE=1006 TITLE=CF--ENL NDIS--67% COLA UNTIL 62; PEN 3%
FILE=1007 TITLE=CF--OFF DISB--67% COLA UNTIL 62 + 3% PENALTY
FILE=1008 TITLE=CF--WRT DISB--67% COLA UNTIL 62 + 3% PENALTY
FILE=1009 TITLE=CF--ENL DISB--67% COLA UNTIL 62 + 3% PENALTY
FILE=1010 TITLE=CF--OFF NDIS--75% COLA UNTIL 62 + 2% PENALTY
FILE=1011 TITLE=CF--WRT NDIS--75% COLA UNTIL 62 + 2% PENALTY
FILE=1012 TITLE=CF--ENL NDIS--75% COLA UNTIL 62 + 2% PENALTY
FILE=1013 TITLE=CF--OFF DISB--75% COLA UNTIL 62 + 2% PENALTY
FILE=1014 TITLE=CF--WRT DISB--75% COLA UNTIL 62 + 2% PENALTY
FILE=1015 TITLE=CF--ENL DISB--75% COLA UNTIL 62 + 2% PENALTY
FILE=1016 TITLE=CF--OFF NDIS--75% COLA UNTIL 62 + 3% PENALTY
FILE=1017 TITLE=CF--WRT NDIS--75% COLA UNTIL 62 + 3% PENALTY
FILE=1018 TITLE=CF--ENL NDIS--75% COLA UNTIL 62 + 3% PENALTY
FILE=1019 TITLE=CF--OFF DISB--75% COLA UNTIL 62+ 3% PENALTY
FILE=1020 TITLE=CF--WRT DISB--75% COLA UNTIL 62+ 3% PENALTY
FILE=1021 TITLE=CF--ENL DISB--75% COLA UNTIL 62+ 3% PENALTY
FILE=1022 TITLE=CF--OFF VSTG--PPSSCC 6% DELAY TO 65
FILE=1023 TITLE=CF--WRT VSTG--PPSSCC 6% DELAY TO 65
FILE=1024 TITLE=CF--ENL VSTG--PPSSCC 6% DELAY TO 65
FILE=1025 TITLE=CF--OFF NDIS--75% COLA UNTIL 30 YOS
FILE=1026 TITLE=CF--WRT NDIS--75% COLA UNTIL 30 YOS
FILE=1027 TITLE=CF--ENL NDIS--75% COLA UNTIL 30 YOS
FILE=1028 TITLE=CF--OFF DISB--75% COLA UNTIL 30 YOS
FILE=1029 TITLE=CF--WRT DISB--75% COLA UNTIL 30 YOS
FILE=1030 TITLE=CF--ENL DISB--75% COLA UNTIL 30 YOS
FILE=1031 TITLE=CF--OFF NDIS--2 STEP; 1% PENALTY/YR PRIOR TO 30,RESTORED AT 30
FILE=1032 TITLE=CF--WRT NDIS--2 STEP; 1% PENALTY/YR PRIOR TO 30,RESTORED AT 30
FILE=1033 TITLE=CF--ENL NDIS--2 STEP; 1% PENALTY/YR PRIOR TO 30,RESTORED AT 30
FILE=1034 TITLE=CF--OFF DISB--2 STEP; 1% PENALTY/YR PRIOR TO 30,RESTORED AT 30
FILE=1035 TITLE=CF--WRT DISB--2 STEP; 1% PENALTY/YR PRIOR TO 30,RESTORED AT 30
FILE=1036 TITLE=CF--ENL DISB--2 STEP; 1% PENALTY/YR PRIOR TO 30,RESTORED AT 30
FILE=1037 TITLE=CF--OFF NDIS--80% COLA FOREVER
FILE=1038 TITLE=CF--WRT NDIS--80% COLA FOREVER
FILE=1039 TITLE=CF--ENL NDIS--80% COLA FOREVER
FILE=1040 TITLE=CF--OFF DISB--80% COLA FOREVER
FILE=1041 TITLE=CF--WRT DISB--80% COLA FOREVER
FILE=1042 TITLE=CF--ENL DISB--80% COLA FOREVER
FILE=1043 TITLE=CF--OFF NDIS--1% PTS/YR PENALTY PRIOR TO 30,RESTORE AT 30,80% COLA F
FILE=1044 TITLE=CF--WRT NDIS--1% PTS/YR PENALTY PRIOR TO 30,RESTORE AT 30,80% COLA F
FILE=1045 TITLE=CF--ENL NDIS--1% PTS/YR PENALTY PRIOR TO 30,RESTORE AT 30,80% COLA F
FILE=1046 TITLE=CF--OFF DISB--1% PT PENALTY/YEAR,RESTORE AT 30, 80% COLA FOREVER
FILE=1047 TITLE=CF--WRT DISB--1% PT PENALTY/YEAR,RESTORE AT 30, 80% COLA FOREVER
FILE=1048 TITLE=CF--ENL DISB--1% PT PENALTY/YEAR,RESTORE AT 30, 80% COLA FOREVER
FILE=1049 TITLE=CF--OFF BONS--XMAS BONUS--300% 0% 0%
FILE=1050 TITLE=CF--WRT BONS--XMAS BONUS--300% 0% 0%

NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS 1115

FILE=1051 TITLE=CF--ENL BONS--XMAS BONUS--300% 0% 0%
FILE=1052 TITLE=CF--ENL BONUS--$5.00--ARMY OCC 05XX
FILE=1053 TITLE=CF--ENL BONUS--$6.00--USAF OCC 06XX
FILE=1054 TITLE=CF--ENL BONUS--$93.00--NAVY OCC 00XX
FILE=1055 TITLE=CF--ENL BONUS--$102.00--ARMY OCC 06XX
FILE=1056 TITLE=CF--ENL BONUS--$140.00--NAVY OCC 01XX
FILE=1057 TITLE=CF--ENL BONUS--$174.00--ARMY OCC 01XX
FILE=1058 TITLE=CF--ENL BONUS--$176.00--NAVY OCC 02XX & 06XX
FILE=1059 TITLE=CF--ENL BONUS--$181.00--USAF OCC 04XX
FILE=1060 TITLE=CF--ENL BONUS--$373.00--USAF OCC 02XX
FILE=1061 TITLE=CF--ENL BONUS--$576.00--ARMY OCC 04XX
FILE=1062 TITLE=CF--ENL BONUS--$2010.00--ARMY OCC 02XX
FILE=1063 TITLE=CF--ENL BONUS--$2856.00--ARMY OCC 00XX
FILE=1064 TITLE=ENT--NAVY SUB OFFICER NUC ACC BONUS (26.5%--DERIVED, USE W/$6000)
FILE=1065 TITLE=CF--OFF NDIS--USAF OPT:2STEP,1%PT DEC BEFORE 30,RESTORED,90%COLA-62,
FILE=1066 TITLE=CF--WRT NDIS--USAF OPT:2STEP,1%PT DEC BEFORE 30,RESTORED,90%COLA-62,
FILE=1067 TITLE=CF--ENL NDIS--USAF OPT:2STEP,1%PT DEC BEFORE 30,RESTORED,90%COLA-62,
FILE=1068 TITLE=CF--OFF DISB--USAF OPT:2STEP-1PP PRIOR 30,RESTORED,90%COLA,SS OFFSET
FILE=1069 TITLE=CF--WRT DISB--USAF OPT:2STEP-1PP PRIOR 30,RESTORED,90%COLA,SS OFFSET
FILE=1070 TITLE=CF--ENL DISB--USAF OPT:2STEP-1PP PRIOR 30,RESTORED,90%COLA,SS OFFSET
FILE=1071 TITLE=CF--OFF NDIS--ARMY: FIXED 30% SS OFFSET AT 62
FILE=1072 TITLE=CF--WRT NDIS--ARMY: FIXED 30% SS OFFSET AT 62
FILE=1073 TITLE=CF--ENL NDIS--ARMY: FIXED 30% SS OFFSET AT 62
FILE=1074 TITLE=CF--OFF DISB--ARMY OPT:FIXED 30% SS OFFSET AT 62, HI-3 OTHERWISE
FILE=1075 TITLE=CF--WRT DISB--ARMY OPT:FIXED 30% SS OFFSET AT 62, HI-3 OTHERWISE
FILE=1076 TITLE=CF--ENL DISB--ARMY OPT:FIXED 30% SS OFFSET AT 62, HI-3 OTHERWISE
FILE=1077 TITLE=CF--OFF NDIS-USAF OPT: RMA,90% COLA TO 62, SS OFFSET
FILE=1078 TITLE=CF--WRT NDIS-USAF OPT: RMA,90% COLA TO 62, SS OFFSET
FILE=1079 TITLE=CF--ENL NDIS-USAF OPT: RMA,90% COLA TO 62, SS OFFSET
FILE=1080 TITLE=CF--OFF DISB-USAF OPT: RMA,90% COLA,SS OFFSET
FILE=1081 TITLE=CF--WRT DISB-USAF OPT: RMA,90% COLA,SS OFFSET
FILE=1082 TITLE=CF--ENL DISB-USAF OPT: RMA,90% COLA,SS OFFSET
FILE=1083 TITLE=CF--OFF NDIS-USAF: RMA,100% COLA,SS OFFSET
FILE=1084 TITLE=CF--WRT NDIS-USAF: RMA,100% COLA,SS OFFSET
FILE=1085 TITLE=CF--ENL NDIS-USAF: RMA,100% COLA,SS OFFSET
FILE=1086 TITLE=CF--OFF DISB-USAF OPT: RMA, 100% COLA, SS OFFSET
FILE=1087 TITLE=CF--WRT DISB-USAF OPT: RMA, 100% COLA, SS OFFSET
FILE=1088 TITLE=CF--ENL DISB-USAF OPT: RMA, 100% COLA, SS OFFSET
FILE=1089 TITLE=CF--OFF DISB--REVISED HIGH-3 DISABILITY,MIN IS 57%
FILE=1090 TITLE=CF--WRT DISB--REVISED HIGH-3 DISABILITY,MIN IS 57%
FILE=1091 TITLE=CF--ENL DISB--REVISED HIGH-3 DISABILITY,MIN IS 57%
FILE=1092 TITLE=CF--OFF NDISPPSSCC 6% W/SS OFFSET (1.25%/YOS,MAX=37.5%)
FILE=1093 TITLE=CF--WRT NDISPPSSCC 6% W/SS OFFSET (1.25%/YOS,MAX=37.5%)
FILE=1094 TITLE=CF--ENL NDISPPSSCC 6% W/SS OFFSET (1.25%/YOS,MAX=37.5%)
FILE=1095 TITLE=CF--OFF DISB--PPSSCC 6% DEC W/SS OFFSET (1.25%/YOS, MAX=37.5%)
FILE=1096 TITLE=CF--WRT DISB--PPSSCC 6% DEC W/SS OFFSET (1.25%/YOS, MAX=37.5%)
FILE=1097 TITLE=CF--ENL DISB--PPSSCC 6% DEC W/SS OFFSET (1.25%/YOS, MAX=37.5%)
FILE=1098 TITLE=CF--OFF VSTG% DEC W/SS OFFSET (1.25%?YOS, MAX=37.5%)
FILE=1099 TITLE=CF--WRT VSTG% DEC W/SS OFFSET (1.25%?YOS, MAX=37.5%)
FILE=1100 TITLE=CF--ENL VSTG% DEC W/SS OFFSET (1.25%?YOS, MAX=37.5%)

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NAMES OF COST FILES
NUMBER OF CURRENTLY ACTIVE FILES IS  1115


FILE=1101 TITLE=CF--OFF NDIS--USAF PPSSCC:1.9%/YOS,MAX=57%,IA FOR 30YOS ONLY,NO SS 0
FILE=1102 TITLE=CF--WRT NDIS--USAF PPSSCC:1.9%/YOS,MAX=57%,IA FOR 30YOS ONLY,NO SS 0
FILE=1103 TITLE=CF--ENL NDIS--USAF PPSSCC:1.9%/YOS,MAX=57%,IA FOR 30YOS ONLY,NO SS 0
FILE=1104 TITLE=CF--OFF DISB--USAF PPSSCC: 1.9%/YOS,MAX=57%,ETC
FILE=1105 TITLE=CF--WRT DISB--USAF PPSSCC: 1.9%/YOS,MAX=57%,ETC
FILE=1106 TITLE=CF--ENL DISB--USAF PPSSCC: 1.9%/YOS,MAX=57%,ETC
FILE=1107 TITLE=CF--OFF BONS--BONUS 175% 0% 0%
FILE=1108 TITLE=CF--WRT BONS--BONUS 175% 0% 0%
FILE=1109 TITLE=CF--ENL BONS--BONUS 175% 0% 0%
FILE=1110 TITLE=CF--OFF NDIS--1PP PRIOR TO 30, NO RESTORE, 80% COLA FOREVER
FILE=1111 TITLE=CF--WRT NDIS--1PP PRIOR TO 30, NO RESTORE, 80% COLA FOREVER
FILE=1112 TITLE=CF--ENL NDIS--1PP PRIOR TO 30, NO RESTORE, 80% COLA FOREVER
FILE=1113 TITLE=CF--OFF DISB--1PP PRIOR TO 30, NO RESTORE, 80% COLA FOREVER
FILE=1114 TITLE=CF--WRT DISB--1PP PRIOR TO 30, NO RESTORE, 80% COLA FOREVER
FILE=1115 TITLE=CF--ENL DISB--1PP PRIOR TO 30, NO RESTORE, 80% COLA FOREVER

*** END OF COST DATABASE NAME INDEX ***
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COST MATRIX MAP FOR: ARMY ENLISTED;RETIREMENT IS CURRENT TERM PAY

#	TITLE:	CATEGORY #1 "00XX" ENT	CF	CATEGORY #2 "01XX" ENT	CF	CATEGORY #3 "02XX" ENT	CF	CATEGORY #4 "03XX" ENT	CF	CATEGORY #5 "04XX" ENT	CF	CATEGORY #6 "05XX" ENT	CF	CATEGORY #7 "06XX" ENT	CF	CATEGORY #8 "07XX" ENT	CF	CATEGORY #9 "08XX" ENT	CF	CATEGORY #10 "ARMY" ENT	CF	CATEGORY #11 "ARMY" ENT	CF	CATEGORY #12 "ARMY" ENT	CF	CATEGORY #13 "ARMY" ENT	CF	CATEGORY #14 "ARMY" ENT	CF	CATEGORY #15 "ARMY" ENT	CF
01	BASE PAY	1	199	1	199	1	199	1	199	1	199	1	199	1	199	1	199	1	199	1	199	1	199	1	199	1	199	1	199	1	199
02	BAQ	1	201	1	201	1	201	1	201	1	201	1	201	1	201	1	201	1	201	1	201	1	201	1	201	1	201	1	201	1	201
03	BAS	1	6	1	6	1	6	1	6	1	6	1	6	1	6	1	6	1	6	1	6	1	6	1	6	1	6	1	6	1	6
04	FICA	1	205	1	205	1	205	1	205	1	205	1	205	1	205	1	205	1	205	1	205	1	205	1	205	1	205	1	205	1	205
05	VHA	1	206	1	206	1	206	1	206	1	206	1	206	1	206	1	206	1	206	1	206	1	206	1	206	1	206	1	206	1	206
06	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07	CLTHG MT	40	41	40	41	40	41	40	41	40	41	40	41	40	41	40	41	40	41	40	41	40	41	40	41	40	41	40	41	40	41
08	UNUSED	0	200	0	200	0	200	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09	UNUSED	0	48	0	48	0	48	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	TERM LV	1	210	1	210	1	210	1	210	1	210	1	210	1	210	1	210	1	210	1	210	1	210	1	210	1	210	1	210	1	210
14	PCS-SEPN	1	51	1	51	1	51	1	51	1	51	1	51	1	51	1	51	1	51	1	51	1	51	1	51	1	51	1	51	1	51
15	SBP-DIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	BURIAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	DEATH	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53
18	RET-DIS	1	790	11091		1	871	1	841	1	877	1	889	1	847	1	895	1	883	1	952	1	991	1	946	1	844	1	997	11003	
19	RET-NDIS	1	796	1	799	1	868	1	805	1	874	1	886	1	820	1	892	1	880	1	949	1	988	1	943	1	817	1	994	11000	
20	SBP-ACT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	SBP-111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	OTH-DIS	1	215	1	215	1	215	1	215	1	215	1	215	1	215	1	215	1	215	1	215	1	215	1	215	1	215	1	215	1	215
23	OTH- FC	0	214	0	214	0	214	0	214	0	214	0	214	0	214	0	214	0	214	0	214	0	214	0	214	0	214	0	214	0	214
24	VESTING	0	0	0	814	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	TITLE 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	GAIN ACQ	1	147	1	147	1	147	1	147	1	147	1	147	1	147	1	147	1	147	1	147	1	147	1	147	1	147	1	147	1	147
27	GAIN IST	1	142	1	143	1	144	1	145	1	143	1	146	1	146	1	146	1	146	1	146	1	146	0	0	0	0	0	0	0	0
28	GAIN BNS	11063		11057		11062		0	0	11061		11052		11055		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	GAIN #4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	GAIN #5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	LAT GAIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	S&I #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	S&I #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	S&I #3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	S&I #4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	S&I #5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	S&I SRB	705	714	706	715	707	716	708	717	709	718	710	719	711	720	712	721	713	722	0	0	0	0	0	0	0	0	0	0	0	0
38	S&I EB	0	638	0	639	0	640	0	641	0	642	0	643	0	644	0	645	0	646	0	0	0	0	0	0	0	0	0	0	0	0
39	S&I #8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	S&I #9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	S&I #10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	FM1 PCS	514200		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
43	FM2 STOR	17300		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
44	FM3 OSA	86000		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
45	FM4 FSA	20500		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
46	FM5 CLTH	6800		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
47	FL1 MISC	2400		0		0		0		0		0		0		0		0		0		0		0		0		0		0	

48	FL2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	FL3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	FL4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	FL5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	FG1	ACQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	FG2	TRNG	478000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	FG3	CDT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	FG4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	FG5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	FS1	MISC	58800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	FS2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	FS3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	FS4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	FS5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	FR1	T:11	46900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	FR2	SBP	91100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	FR3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	FR4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	FR5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

COST MATRIX MAP FOR: NAVY OFFICERS --CURR RETIREMENT, TERM PAY

#	TITLE:	CATEGORY #1 "PLT " ENT	CF	CATEGORY #2 "NFO " ENT	CF	CATEGORY #3 "SUB " ENT	CF	CATEGORY #4 "SWO " ENT	CF	CATEGORY #5 "URLG" ENT	CF	CATEGORY #6 "RLST" ENT	CF	CATEGORY #7 "LDO " ENT	CF	CATEGORY #8 "JAG " ENT	CF	CATEGORY #9 "CHAP" ENT	CF	CATEGORY #10 "MC " ENT	CF	CATEGORY #11 "DC " ENT	CF	CATEGORY #12 "NC " ENT	CF	CATEGORY #13 "MSC " ENT	CF	CATEGORY #14 "NONE" ENT	CF	CATEGORY #15 "NONE" ENT	CF
01	BASE PAY	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
02	BAQ	1	100	1	100	1	100	1	100	1	100	1	100	1	100	1	100	1	100	1	100	1	100	1	100	1	100	1	100	1	100
03	BAS	1	5	1	5	1	5	1	5	1	5	1	5	1	5	1	5	1	5	1	5	1	5	1	5	1	5	1	5	1	5
04	FICA	1	34	1	34	1	34	1	34	1	34	1	34	1	34	1	34	1	34	1	34	1	34	1	34	1	34	1	34	1	34
05	VHA	1	103	1	103	1	103	1	103	1	103	1	103	1	103	1	103	1	103	1	103	1	103	1	103	1	103	1	103	1	103
06	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07	CLTHG MT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08	UNUSED	0	16	0	16	0	16	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09	UNUSED	0	48	0	48	0	48	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	TERM LV	1	114	1	114	1	114	1	114	1	114	1	114	1	114	1	114	1	114	1	114	1	114	1	114	1	114	1	114	1	114
14	PCS-SEPN	1	112	1	112	1	112	1	112	1	112	1	112	1	112	1	112	1	112	1	112	1	112	1	112	1	112	1	112	1	112
15	SBP-DIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	BURIAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	DEATH	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53	1	53
18	RET-DIS	1	788	11089		1	869	1	839	1	875	1	887	1	845	1	893	1	881	1	950	1	989	1	944	1	842	1	995	11001	
19	RET-NDIS	1	794	1	797	1	866	1	803	1	872	1	884	1	818	1	890	1	878	1	947	1	986	1	941	1	815	1	992	1	998
20	SBP-ACT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	SBP-111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	OTH-DIS	1	60	1	60	1	60	1	60	1	60	1	60	1	60	1	60	1	60	1	60	1	60	1	60	1	60	1	60	1	60
23	OTH- FC	1	57	1	57	1	57	1	57	1	57	1	57	1	57	1	57	1	57	1	57	1	57	1	57	1	57	1	57	1	57
24	VESTING	0	0	0	812	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	TITLE 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	GAIN ACQ	1	169	1	169	1	169	1	169	1	169	1	169	1	169	1	169	1	169	1	169	1	169	1	169	1	169	1	169	1	169
27	GAIN IST	1	170	1	171	1	780	1	779	1	174	1	182	1	175	1	176	1	177	1	178	1	179	1	180	1	181	0	0	0	0
28	GAIN BNS	0	0	0	01064	732	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	GAIN #4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	GAIN #5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	LAT GAIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	S&I SEA	540	420	548	428	564	444	556	436	580	460	588	468	572	452	492	372	500	380	508	388	516	396	524	404	532	412	0	0	0	0
33	S&I PSEA	541	421	549	429	565	445	557	437	581	461	589	469	573	453	493	373	501	381	509	389	517	397	525	405	533	413	0	0	0	0
34	S&I SUB	543	423	551	431	567	447	559	439	583	463	591	471	575	455	495	375	503	383	511	391	519	399	527	407	535	415	0	0	0	0
35	S&I ACIP	542	422	550	430	566	446	558	438	582	462	590	470	574	454	494	374	502	382	510	390	518	398	526	406	534	414	0	0	0	0
36	S&I AOCP	547	427	555	435	571	451	563	443	587	467	595	475	579	459	499	379	507	387	515	395	523	403	531	411	539	419	0	0	0	0
37	S&I NIP	0	0	0	0	740	739	741	739	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	MSP #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	619	1	618	0	0	730	731	0	0	0	0
39	MSP #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	630	620	633	623	0	0	0	0	0	0	0	0
40	MSP #3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	631	621	0	0	0	0	0	0	0	0	0	0
41	MSP #4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	632	622	0	0	0	0	0	0	0	0	0	0
42	FM1 PCS		0	98600			0		0		0		0		0		0		0		0		0		0		0		0		0
43	FM2 STOR		0	2700			0		0		0		0		0		0		0		0		0		0		0		0		0
44	FM3 OSA		0	17700			0		0		0		0		0		0		0		0		0		0		0		0		0
45	FM4 FSA		0	1800			0		0		0		0		0		0		0		0		0		0		0		0		0
46	FM5 CLTH		0	0			0		0		0		0		0		0		0		0		0		0		0		0		0
47	FL1 MISC		0	0			0		0		0		0		0		0		0		0		0		0		0		0		0

48	FL2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	FL3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	FL4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	FL5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	FG1 ACQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	FG2 TRNG	0	369000	0	0	0	0	0	0	0	0	0	0	0	0	0
54	FG3 CDT	0	33100	0	0	0	0	0	0	0	0	0	0	0	0	0
55	FG4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	FG5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	FS1 MISC	0	3500	0	0	0	0	0	0	0	0	0	0	0	0	0
58	FS2 REG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	FS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	FS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	FS5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	FR1 TIII	0	154600	0	0	0	0	0	0	0	0	0	0	0	0	0
63	FR2 SBP	0	36800	0	0	0	0	0	0	0	0	0	0	0	0	0
64	FR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	FR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	FR5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

COST MATRIX MAP FOR: ENLISTED OF ALL 4 SERVICES

#	TITLE:	CATEGORY #1 "ARMY" ---HI-0 ENT	CF	CATEGORY #2 "NAVY" ---HI-3 ENT	CF	CATEGORY #3 "USMC" ---PEN2 ENT	CF	CATEGORY #4 "USAF" ---PEN3 ENT	CF	CATEGORY #5 "NONE" ---PEN4 ENT	CF	CATEGORY #6 "NONE" --DEC20 ENT	CF	CATEGORY #7 "NONE" --DEC30 ENT	CF	CATEGORY #8 "NONE" --DEC40 ENT	CF	CATEGORY #9 "NONE" -C30/33 ENT	CF	CATEGORY #10 "NONE" -C30/50 ENT	CF	CATEGORY #11 "NONE" -C30/67 ENT	CF	CATEGORY #12 "NONE" -C62/33 ENT	CF	CATEGORY #13 "NONE" -C62/50 ENT	CF	CATEGORY #14 "NONE" -C62/67 ENT	CF	CATEGORY #15 "NONE" -C62/75 ENT	CF
01	BASE PAY	1	199	1	199	1	199	1	199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02	BAQ	1	201	1	202	1	203	1	204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03	BAS	1	6	1	90	1	117	1	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04	FICA	1	205	1	205	1	205	1	205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05	VHA	1	206	1	207	1	777	1	209	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07	CLTHG MT	40	41	40	106	40	133	40	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08	UNUSED	0	200	0	200	0	200	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09	UNUSED	0	48	0	48	0	48	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	TERM LV	1	210	1	211	1	212	1	213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	PCS-SEPN	1	51	1	113	1	138	1	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	SBP-DIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	BURIAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	DTH GRT	1	53	1	53	1	53	1	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	RET-DIS	1	790	11091		1	871	1	841	1	877	1	889	1	847	1	895	1	883	1	952	1	991	1	946	1	844	1	997	11003	
19	RET-NDIS	1	796	1	799	1	868	1	805	1	874	1	886	1	820	1	892	1	880	1	949	1	988	1	943	1	817	1	994	11000	
20	SBP-ACT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	SBP-III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	DIS SEV	1	215	1	215	1	215	1	215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	SEP PAY	0	214	0	214	0	214	0	214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	VESTING	0	0	0	814	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	TITLE 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	GAIN-ACQ	1	147	1	148	1	158	1	224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	GAIN-IST	1	858	1	857	1	860	1	859	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	GAIN-BNS	1	856	1	855	0	0	1	854	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	GAIN #4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	GAIN #5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	LAT GAIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	EW120000	0	961	0	961	0	961	0	961	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	EW150000	0	898	0	898	0	898	0	898	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	EW153007	0	904	0	904	0	904	0	904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	EW164005	0	955	0	955	0	955	0	955	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	EW210000	0	919	0	919	0	919	0	919	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	EW216010	0	958	0	958	0	958	0	958	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	EW270060	0	928	0	928	0	928	0	928	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	S&I #8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	S&I #9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	S&I #10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	FM1 PCS	514200		231200		83100		426600			0		0		0		0		0		0		0		0		0		0		0
43	FM2 SFOR	17300		3800		1300		16100			0		0		0		0		0		0		0		0		0		0		0
44	FM3 OSA	86000		60300		16800		103900			0		0		0		0		0		0		0		0		0		0		0
45	FM4 FSA	20500		10800		2700		9600			0		0		0		0		0		0		0		0		0		0		0
46	FM5 CLTH	6800		7400		2800		1600			0		0		0		0		0		0		0		0		0		0		0
47	FL1 MISC	2400		2100		1300		200			0		0		0		0		0		0		0		0		0		0		0

48	FL2		0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	FL3		0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	FL4		0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	FL5		0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	FG1	ACQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	FG2	TRNG	478000	217000	181000	202000	0	0	0	0	0	0	0	0	0	0
54	FG3	CDT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	FG4		0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	FG5		0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	FS1	MISC	58800	50300	15500	32400	0	0	0	0	0	0	0	0	0	0
58	FS2	REG	105800	433700	105900	85300	0	0	0	0	0	0	0	0	0	0
59	FS3		0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	FS4		0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	FS5		0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	FR1	TIII	46900	37300	2300	23600	0	0	0	0	0	0	0	0	0	0
63	FR2	SBP	91100	64200	7200	54400	0	0	0	0	0	0	0	0	0	0
64	FR3		0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	FR4		0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	FR5		0	0	0	0	0	0	0	0	0	0	0	0	0	0

COST MATRIX MAP FOR AGGREGATE OFFICER FILES--ALL 4 SERVICES

#	TITLE:	CATEGORY #1 "ARMY" ---HI-0 ENT	CF	CATEGORY #2 "NAVY" --HI-3 ENT	CF	CATEGORY #3 "USMC" --PEN2 ENT	CF	CATEGORY #4 "USAF" ---PEN3 ENT	CF	CATEGORY #5 "NONE" ---PEN4 ENT	CF	CATEGORY #6 "NONE" --DEC20 ENT	CF	CATEGORY #7 "NONE" --DEC30 ENT	CF	CATEGORY #8 "NONE" --DEC40 ENT	CF	CATEGORY #9 "NONE" -C30/33 ENT	CF	CATEGORY #10 "NONE" -C30/50 ENT	CF	CATEGORY #11 "NONE" -C30/67 ENT	CF	CATEGORY #12 "NONE" -C62/33 ENT	CF	CATEGORY #13 "NONE" -C62/50 ENT	CF	CATEGORY #14 "NONE" -C62/67 ENT	CF	CATEGORY #15 "NONE" -C62/75 ENT	CF
01	BASE PAY	1	2	1	2	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02	BAQ	1	31	1	100	1	127	1	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03	BAS	1	5	1	5	1	5	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04	FICA	1	34	1	34	1	34	1	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05	VHA	1	37	1	103	1	130	1	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07	CLTHG MT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08	UNUSED	0	16	0	16	0	16	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09	UNUSED	0	48	0	48	0	48	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	UNUSED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	TERM LV	1	54	1	114	1	139	1	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	PCS-SEPN	1	50	1	112	1	137	1	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	SBP-DIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	BURIAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	DTH GRT	1	53	1	53	1	53	1	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	RET-DIS	1	788	11089		1	669	1	839	1	875	1	887	1	845	1	893	1	881	1	950	1	989	1	944	1	842	1	995	11001	
19	RET-NDIS	1	794	1	797	1	866	1	803	1	872	1	884	1	818	1	890	1	878	1	947	1	986	1	941	1	815	1	992	1	998
20	SBP-ACT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	SBP-III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	DIS SEV	1	60	1	60	1	60	1	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	SEP PAY	1	57	1	57	1	57	1	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	VESTING	0	0	0	872	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	TITLE 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	GAIN-ACQ	1	162	1	169	1	184	1	194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	GAIN-IST	1	861	1	864	1	865	1	863	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	GAIN #3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	GAIN #4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	GAIN #5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	LAT GAIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	EW120000	0	959	0	959	0	959	0	959	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	EW150000	0	896	0	896	0	896	0	896	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	EW153007	0	902	0	902	0	902	0	902	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	EW164005	0	953	0	953	0	953	0	953	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	EW210000	0	917	0	917	0	917	0	917	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	EW216010	0	956	0	956	0	956	0	956	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	EW270000	0	926	0	926	0	926	0	926	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	S&I #8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	S&I #9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	S&I #10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	FM1 PCS	149400		98600		20700		145400			0		0		0		0		0		0		0		0		0		0		0
43	FM2 STOR	8100		2700		1200		9800			0		0		0		0		0		0		0		0		0		0		0
44	FM3 OSA	23800		17700		4800		23600			0		0		0		0		0		0		0		0		0		0		0
45	FM4 FSA	2700		1800		600		1500			0		0		0		0		0		0		0		0		0		0		0
46	FM5 CLTH	0		0		0		0			0		0		0		0		0		0		0		0		0		0		0
47	FL1 MISC	0		0		100		200			0		0		0		0		0		0		0		0		0		0		0

48	FL2		0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	FL3		0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	FL4		0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	FL5		0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	FG1	ACQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	FG2	TRNG	54000	369000	118000	399600	0	0	0	0	0	0	0	0	0	0
54	FG3	CDT	31200	33100	0	32000	0	0	0	0	0	0	0	0	0	0
55	FG4		0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	FG5		0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	FS1	MISC	5000	3500	300	3900	0	0	0	0	0	0	0	0	0	0
58	FS2	REG	103500	184300	17000	203900	0	0	0	0	0	0	0	0	0	0
59	FS3		0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	FS4		0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	FS5		0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	FR1	TIII	366600	154600	15700	203500	0	0	0	0	0	0	0	0	0	0
63	FR2	SBP	68000	36800	5400	39500	0	0	0	0	0	0	0	0	0	0
64	FR3		0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	FR4		0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	FR5		0	0	0	0	0	0	0	0	0	0	0	0	0	0

APPENDIX I
ANNUALIZED COST OF LEAVING MODEL
(ACOL)

MAJ ROY E. SMOKER, USAF

ANNUALIZED COST OF LEAVING (ACOL) MODEL

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I. THE COMPENSATION/RETENTION RELATIONSHIP.

A. INTRODUCTION. The Fifth Quadrennial Review of Military Compensation (QRMC) has developed a series of models to evaluate the adequacy of the Uniformed Services retirement system in relation to national security objectives. Beginning with Service steady-state force structures constrained to FY82 force levels, the models proceed through:

1. An evaluation of the impact of compensation policies on retention;

2. Projection of new force profiles resulting from changes in compensation policy. i.e., retirement and/or Special and Incentive pays;

3. Development of new retention rates, promotion flow rates, and loss rates necessary to support the new force profile; and

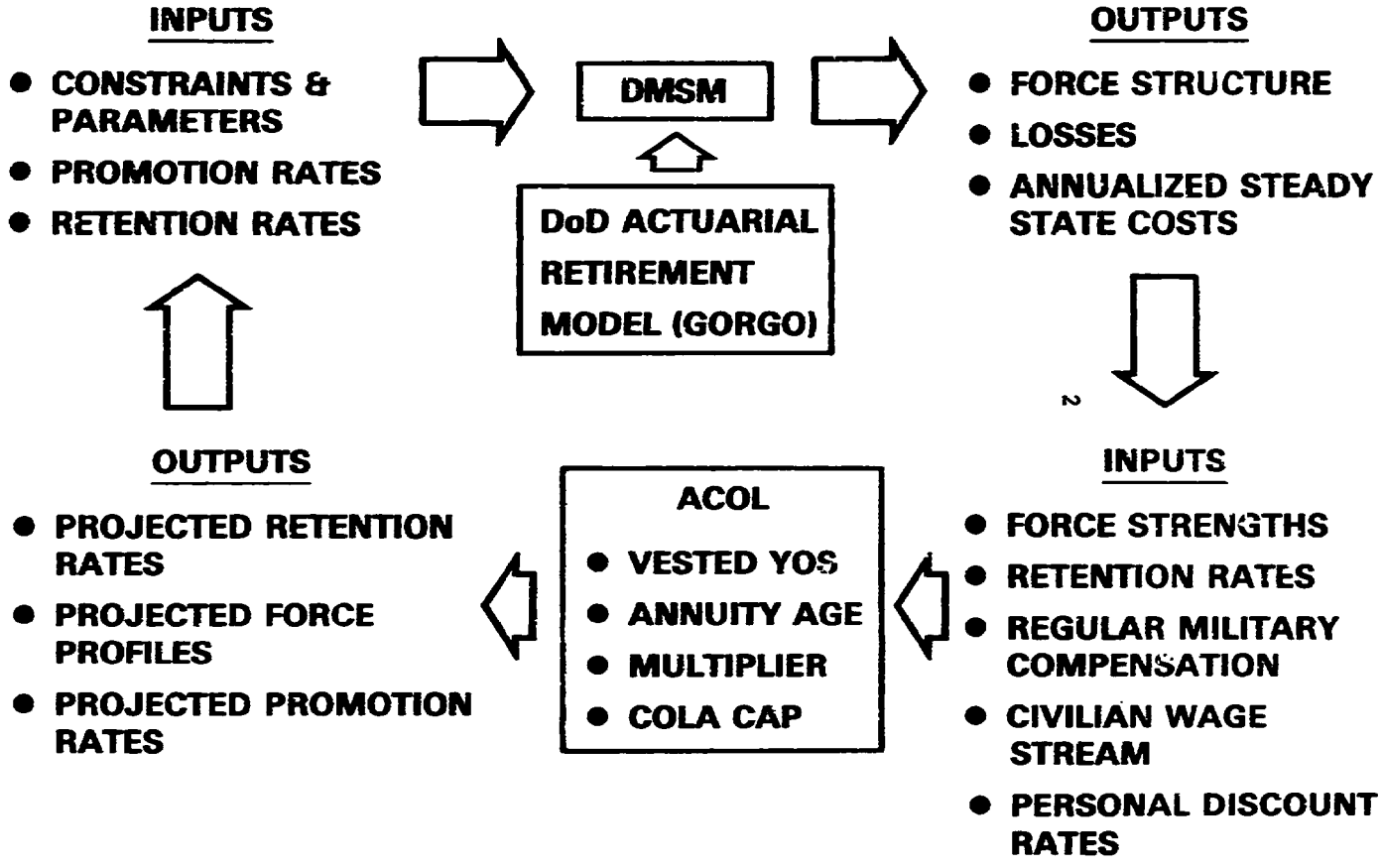
4. Evaluation of total life cycle costs of the force structures associated with the alternative compensation policies.

The new force profiles may then be compared with the Service desired profiles using the annualized cost of leaving model (ACOL). The result of the ACOL model are then passed to the Defense Manpower Static Model and the DoD Actuarial Retirement Model to obtain corollary projections of normal cost percentages and budget obligations. (See Figure I-1). This paper describes the ACOL model in detail, provides documentation of the data sources and model methodology, and displays sample output formats so that an understanding of the policy options evaluated by the Fifth QRMC may be attained. The annualized cost of leaving model is the only model used by the Fifth QRMC that has behavorial implications. Separate descriptions of each Service's force structure in the aggregate and the retention response to compensation adjustments for officer and enlisted personnel are examined.

B. ANNUALIZED COST OF LEAVING MODEL. Several models were examined in the process of selecting a tool for analyzing the effects on the Service force structures due to alternative retirement systems. These included the Gotz-Mccall dynamic retention model, the present value of leaving (PVCOL) model, the stochastic cost of leaving (SCOL) model, and the annualized cost of leaving (ACOL) model. The Gotz-Mccall dynamic retention model was designed to provide the Air Force with the ability to assess the personnel force structure implications of alternative compensation and personnel policies. It is a model of behavior of Air Force officers who must make their stay or leave decisions while uncertain about future career prospects. Because the Gotz-Mccall model could not easily be applied to enlisted force structures for all Services it was not selected by the Fifth QRMC. Of the two other models examined and not selected, both have a similar framework to that contained in the ACOL model, but each has different limitations as described by John Warner in "Military Compensation and Retention: An Anaysis of Alternative Models of a Simulation of a new Retention Model," August 1981.(1) The ACOL

Figure I-1

5TH QRMC MODELING



model was selected over the other models because of its ease of application, wide acceptance, and use among the Services and OASD (MRA&L) for evaluating strength projections resulting from the 1981 pay raise and subsequent compensation related issues. The following discussion summarizes the Fifth QRMC use of the ACOL model.

The ACOL model lends itself to an intuitive examination of three groups of people: those with a preference for uniformed service, those with a preference for civilian life, and those at the margin who are indifferent but whose decisions to stay or leave may be influenced by changes in compensation. Those who prefer uniformed service will stay regardless of compensation considerations. Those who prefer civilian life will leave. The ACOL model predicts whether those members at the margin will decide to stay (or leave) as the annualized cost of leaving (ACOL) increases (or decreases) in a specific year of service relative to some basecase observed retention patterns. The ACOL model is the only model employed by the Fifth QRMC in the analysis of retirement systems that has behavioral implications. It models a servicemember's decision to leave service immediately or to stay for some period of additional service and then leave. A major problem in analyzing changes in the retirement system is to determine at each possible year of service, what is the appropriate number of additional years of service to which the alternative of leaving immediately is to be compared. This is important particularly for changes in the retirement system because if, at a particular decision point, these "additional years of service" do not encompass the retirement point, changes in the retirement system will not have an effect on retention to that decision point. The feature of the ACOL model which differentiates it from most alternative retention models is that it solves the problem of determining the appropriate time horizon, at each decision point, in a non-arbitrary way. In particular, the horizon computed by ACOL is the one that maximizes the annualized difference between the value of staying and the value of leaving at each decision point.

This annualized, or annuitized, value is the ACOL value. It is the net amount foregone in pay each year of the computed horizon if the individual were to leave service rather than stay for the additional period indicated by the horizon. If an individual were otherwise indifferent between Service and civilian life, his decision rule would be to stay, rather than leave, when the ACOL value is greater than zero. However, the individual may not be indifferent between non-financial aspects of service and a civilian career. If an individual's net preference for the non-pecuniary aspect of service relative to civilian life is positive, then his decision rule would be to reenlist if the sum of ACOL and his net preference or taste for service were positive. The taste variable of course is not directly observable. Yet, regardless of how this variable is distributed among servicemembers, more will reenlist the greater is the value of ACOL. In this sense, the ACOL model operates on individuals at the margin of the stay/leave decision. The time horizon that maximizes ACOL is the appropriate one, at least for a taste component that does not vary over time, as can be seen by noting

that, if the individual does not reenlist at the maximum ACOL value, he would not choose to reenlist for any value less than that. By assuming a particular form of the distribution of tastes among the relevant Service population the observed ACOL values can be related to the observed values of the reenlistment/retention rates which reflect the stay/leave decisions and estimates of the effect of changes in Service compensation on retention were obtained.

Formally, the ACOL value is defined as the annualized difference between the present value of staying (PVS) and the present value of leaving (PVL) service, where the discount factor (DF) is assumed to be known. In equation from:

$$(1)\quad PVS(n,h) = \left\{ \sum_{t=18+n}^{t=18+n+h} M(t) \Big/ \prod_{t=18+n}^{t=18+n+h} 1+d(t) \right\} + \left\{ \sum_{t=18+n+h+1}^{AGE} \left[C(t) + Y(t,n+h) \right] \Big/ \prod_{t=18+n}^{t=18+n+h} 1+d(t) \right\} ;$$

$$(2)\quad PVL(n,h) = \sum_{t=18+n}^{AGE} \left[C(t) + Y(t,n) \right] \Big/ \prod_{t=18+n}^{t=18+n+h} 1+d(t) ;$$

$$(3)\quad DF(n,h) = \sum_{t=18+n}^{t=18+n+h} * \prod_{t=18+n}^{t=18+n+h} \frac{1}{1+d(t)} ; \text{ and}$$

$$(4)\quad ACOL(n) = MAX\ [(PVS\ (n,h)-PVL(n,h)]/DF(n,h);$$

$$h = 1,2,\ldots[t-(n+18)].$$

For clarity of notation, all variables are indexed to the individual's age, and in this example it is assumed that all members enter service at age 18. Further,

M(t) is Service pay at age (t);

C(t) is civilian alternative pay at age (t);

Y(t,n) is an individual's retired pay at age (t), for those members who served n years;

n is the length of service at the stay/leave decision point;

h is the time horizon representing future potential years of service; and

d(t) is the individual's discount rate at age t.

Note that it is assumed that the individual's civilian earnings are independent of his length of service, so that civilian earnings beyond age 18+n+h cancel out. Further, it should be noted that the horizon, h, which maximizes ACOL is not necessarily the horizon which maximizes the difference in Service and civilian earnings.

Let the taste components for the ith individual be denoted as Pi. Then, the probability the ith individual reenlists is, prob (ACOL + Pi > ϕ). If the taste components are distributed among a particular reenlistment COHORT as f(P), then the reenlistment rate, R, will be equal to:

$$(5) \quad R = \int_{-ACOL}^{\infty} f(P)dP$$

Assuming the cumulative density function of the taste component is logistic, then we immediately obtain the following equation that can be estimated by ordinary least squares regression:

$$(6) \quad \ln[R/(1-R)] = \text{Constant} + \text{BETA} * \text{ACOL} .$$

For greater elaboration of the theory underlying the ACOL model, see John Warner, "Alternative Military Retirement Systems : Their Effect on Enlisted Retention," September 1979. (2)

The computer version of the ACOL model operates very simply. A base case set of retention rates for those who are making reenlistment decisions are related to the ACOL values implied by the current structure of Service and civilian compensation policies, and new ACOL values computed. Finally, the new set of retention rates are produced. The new set of rates are interpreted as those which would exist under the alternative compensation system.

II. REVISION AND USE OF THE ANNUALIZED COST OF LEAVING (ACOL) MODEL.

A. ADAPTATIONS TO THE ACOL MODEL. The Fifth QRMC obtained a copy of the OSD (MRA&L) version of the ACOL model resident on the Naval Postgraduate School computer in Monterey, California. This version was designed to analyze the effects of changes in pay and bonus policy on retention of the enlisted forces of the four military Services over a seven-year horizon defined by Program Objective Memoranda (POM). The major structural shortcomings of the model for the purposes of the Fifth QRMC, as opposed to any underlying theoretical problems, were:

1. The model was available only for the aggregate enlisted force of each Service, and did not permit analysis of the officer community or occupation-specific structures;

2. The model did not contain the necessary flexibility in the code to easily analyze changes in any of several retirement system characteristics; and

3. The model omitted several Special and Incentive pays which were considered desirable to include.

B. STRUCTURAL MODIFICATIONS MADE BY THE FIFTH QRMC. Several structural modifications have been incorporated into the ACOL model to allow better evaluation of alternative retirement proposals. The modifications fall into four categories: adding flexibility in defining retirement systems; including acturial assumptions on life expectancy; integrating the retirement system with social security benefits; and developing costing summaries for steady-state and dynamic forcasting of transition patterns to a new system.

1. Added Vectors. Vectors were added to the OSD version of the ACOL model to handle changes in the following retirement system characteristics:

a. Vesting year of service (current system is 20);
b. Annuity age (current system assumes 38 for enlisted and 42 for officer force structures);
c. Multiplier (current system is .025 per year of service with a maximum at 30 of 75%), multiplier options also includes a multi-tier capability at a user specified age;
d. High average wage (current system is one year transitioning to high-three years);
e. Decrement (vector of 35 elements used to adjust the multiplier downward at each year of service, current system has all zeros);
f. Cost-of-living adjustment (COLA) percentage adjustments with user-specified inflation factor, also includes a COLA catchup capability at some userspecified age, such as age 62; and

g. Use of each of the above elements in combination with the others, as well as individually, to evaluate a wide range of alternative retirement systems, such as dual track systems, early vesting systems with deferred annuities, and systems with a social security offset.

2. Actuarial Assumptions. The model was modified to accept a vector of actuarial probabilities of living one more year. (3) Assuming an enlisted member enters service at age 18, the vector will assign the enlisted member a probability of aging each year for 81 years to age 99. For officers, the entry age is assumed to be 22 with aging probabilities carried through 103. This capability is useful in estimating the cost of survivor death benefits as well as costing early vesting options and sizing the steady-state population.

3. Integration with Social Security. A new function was added to the model to use the existing income streams and compute social security benefits. The model assumes 1982 as a base year and uses the social security maximum income level of $32,400 along with the average annual wage of $13,773, as measured by the Social Security Administration. (4) The model also uses the 1982 social security formula as a starting point for computing benefits. Adjustments to the bend points in the 1982 social security formula are then calculated in the model for each year between the year of separation and age 65. The adjustments are based on user-specified assumptions about the consumer price index (CPI). (See Volume II of the Survivor Benefit Program for a detailed review of the social security benefits formula.) Social security benefits for use in computing the social security offset are based solely on Service earnings. The user may specify the percentage of the Service-only social security benefit to be used in offsetting the retirement income stream.

4. Steady-State and Dynamic Cost Summaries. The steady-state and dynamic cost summaries provide first term and career force costing, as well as a breakout of total cost by type; e.g., basic pay, BAQ, Special and Incentive (S&I) pay, etc. Using knowledge about the disposition of losses by year of service, the $3,000 death gratuity is costed for each loss due to death. In the officer force, where retirement losses occur before the 20th year of commissioned service due to prior service time counting toward retirement eligibility, retirement benefit/costs are computed using the multiplier times 20-years of service times the basic pay for the year of commission service of the member. The resulting steady-state costs are useful in evaluating competing retirement proposals for a given force structure. The dynamic costing option provides a capability to transition to a new system over a period of years, as well as evaluating strength growth or decline over a POM cycle. While steady-state and dynamic cost summaries may be obtained from the ACOL model, a more detailed budget costing may be obtained by processing the ACOL force structure projections by grade and year of service through the force structure linkage model to feed both the DoD Actuarial Retirement Model and the Defense Manpower Static Model (DMSM).

III. DESCRIPTION OF DATA ELEMENTS. The ACOL model uses several elements of data from which to make predictions concerning personnel retention behavior patterns. The data base includes information on the Service force structures, historical retention patterns, compensation policy, alternative civilian wage streams and personal discount rates.

A. FORCE STRUCTURES. Each Service provided detailed force structures for officer and enlisted personnel, as well as for the occupational groups identified in Table I-1. The current objective force structures were sized to FY82 authorization levels and reflected current grade and other legal constraints, as well as limitations imposed on retention by the current compensation system. The baseline force structures were also sized to the FY82 authorization levels, but were designed from the standpoint of desired continuation and force management independent of considerations of cost or limitations imposed by the current compensation/retirement system, external economic conditions or historical retention levels. The force strengths by grade and year of service (YOS) for both the current objective and the baseline force structures reflect personnel management policies for those who stay and the loss reasons for members who leave. For use in the ACOL model the strengths by grade and YOS reflect the opportunity to recieve pay in that grade and YOS. The loss reasons were grouped into three categories related to compensation policy. These are: deaths, for purposes of death gratuity; retirement, reflecting pre-20 YOS disability for enlisted and prior service time for officers, as well as post-20 YOS non-disability retirement losses; and other voluntary and involuntary attrition. Figures I-2 through I-9 display the seven-year average force structures alongside the Service-provided current objective and baseline force structures. As these figures indicate, the seven-year average force structures generally represent a nominally smaller career force than exhibited in the Service career objective and baseline force structures.

Table I-1
Officer and Enlisted Occupational Groups by Service

	CURRENT OBJECTIVE END STRENGTHS			
OFFICER	ARMY	NAVY	USMC	USAF
Legal	1,799	988	428	1,227
Chaplain	1,450	1,038		852
Physician	4,982	3,460		3,678
Dentist	1,812	1,660		1,585
Nurse	3,892	2,732		4,448
Veterinarian	395			
Medical Service Corps	4,961	2,064		1,114
Bio-Medical Service Corps	464			2,236
Pilot	6,625	10,555	4,509	27,798
Navigator/NFO		4,918	445	12,218
Combat Arms & Naval Operations	31,289	18,161	5,729	
Combat Support	14,424		3,800	30,624
Scientist & Engineer				15,687
All Others	16,781	16,679	2,392	
Aggregate	88,874	62,255	17,303	101,467
ENLISTED*				
Infantry, Gunner and Seaman	162,439	17,863	43,178	22,464
Electronic Equip Repair	30,819	61,912	8,388	65,284
Communications & Intel	61,568	40,403	12,246	33,235
Medical & Dental	34,738	26,280		20,223
Other Technical Specialist	13,385	5,378	2,993	16,026
Support & Administration	110,079	46,025	24,608	101,346
Electric/Mechanical Equip Repair	95,379	124,725	26,831	109,573
Craftsman	16,851	27,233	4,581	26,401
Service & Supply	72,796	25,497	21,801	49,562
Non-Occupational Students	79,288	104,444	28,413	30,532
Aggregate	677,362	479,663	173,069	474,646

* Strength distribution by occupation group based on the average for the last seven years, i.e., FY76-FY82.

Figure I-2

ARMY OFFICER STRENGTH
7 YR AVG/CURRENT OBJECTIVE/BASELINE

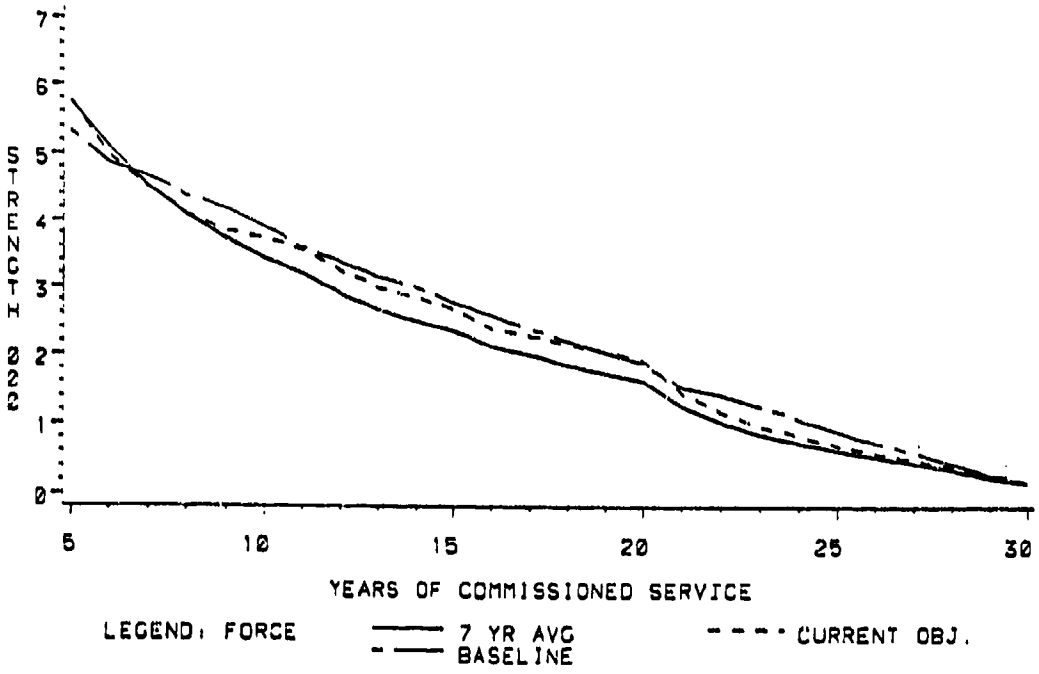


Figure I-3

NAVY OFFICER STRENGTH
7 YR AVG/CURRENT OBJECTIVE/BASELINE

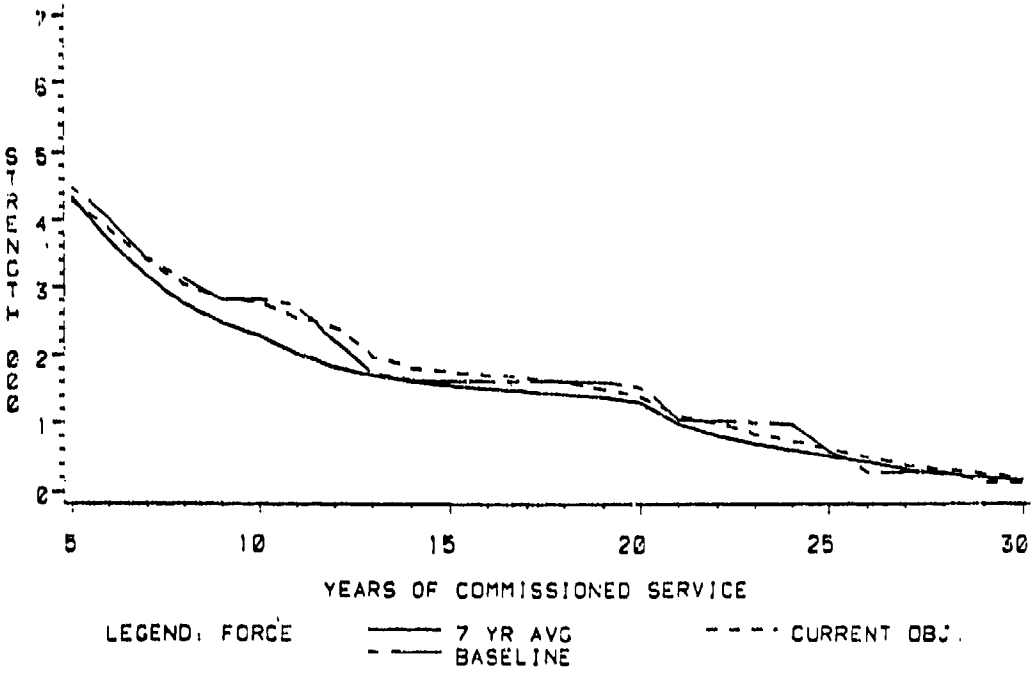


Figure I-4

USMC OFFICER STRENGTH
7 YR AVG/CURRENT OBJECTIVE/BASELINE

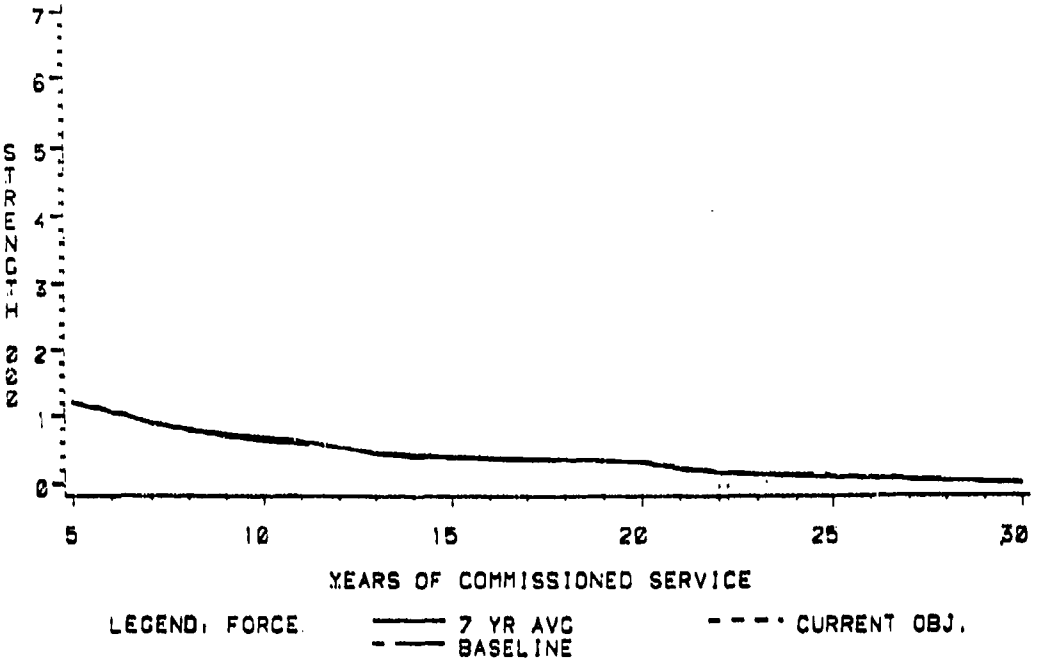


Figure I-5

USAF OFFICER STRENGTH
7 YR AVG/CURRENT OBJECTIVE/BASELINE

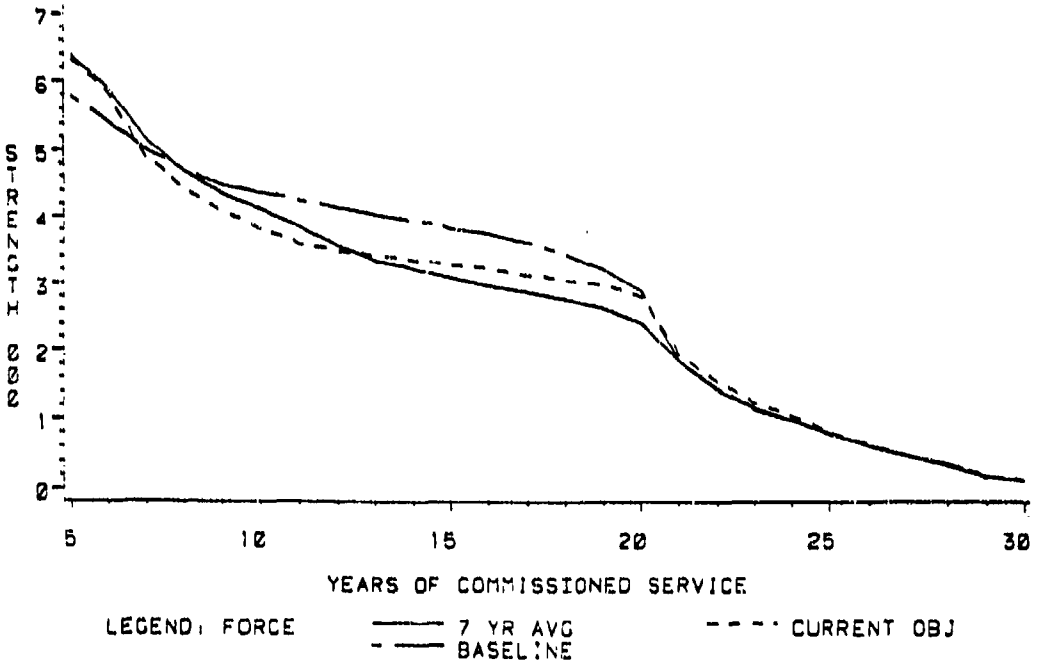


Figure I-6

ARMY ENLISTED STRENGTH
7 YR AVG/CURRENT OBJECTIVE/BASELINE

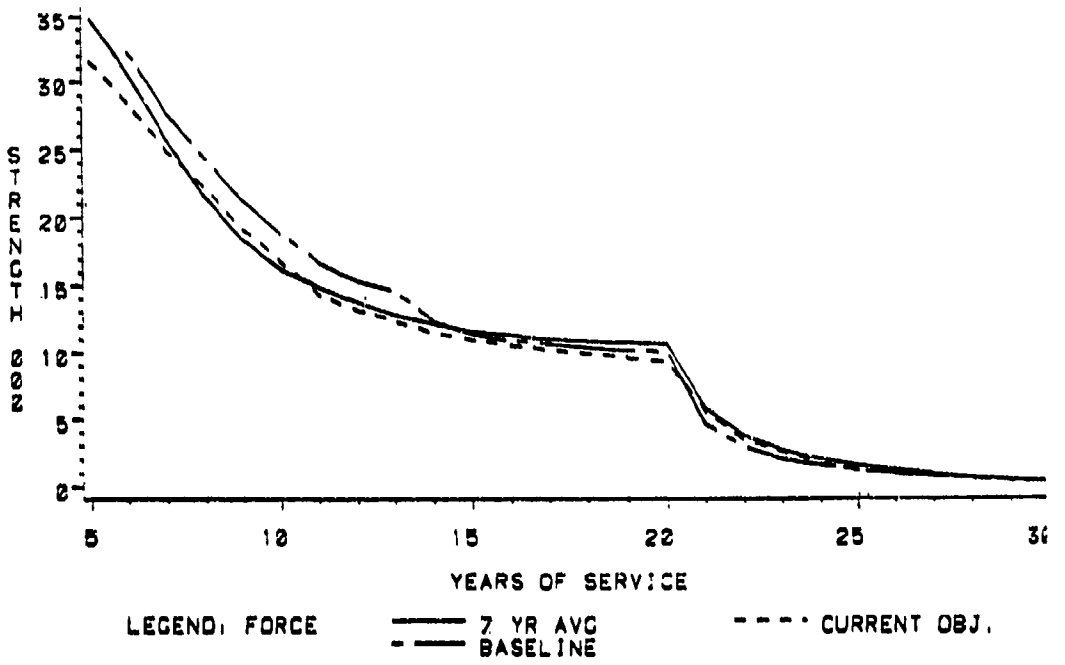


Figure I-7

NAVY ENLISTED STRENGTH
7 YR AVG/CURRENT OBJECTIVE/BASELINE

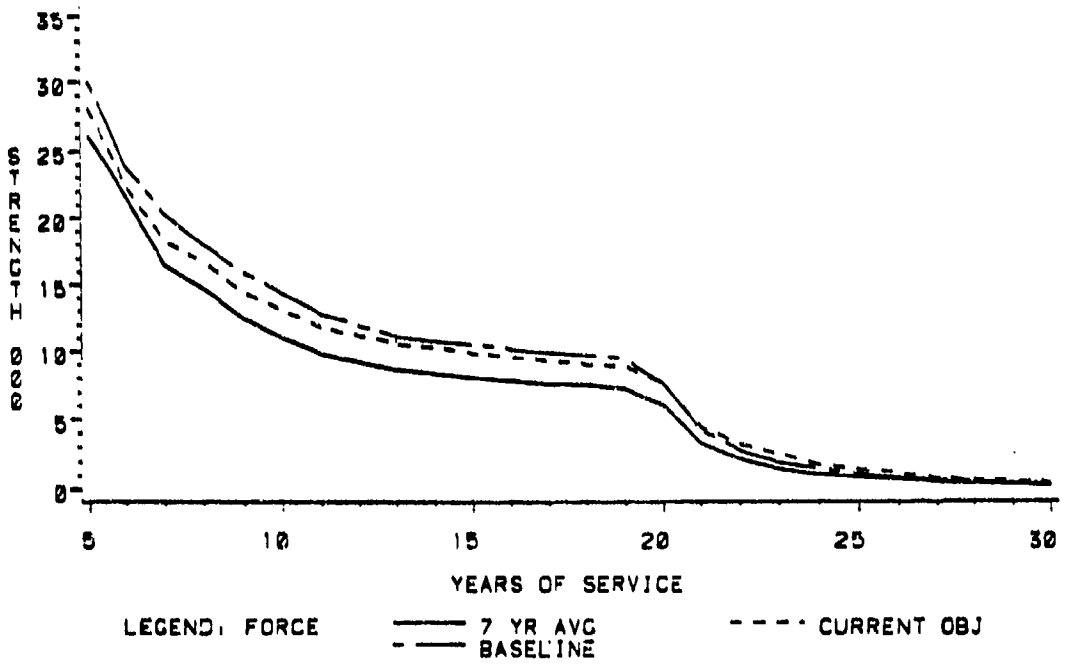


Figure I-8

USMC ENLISTED STRENGTH
7 YR AVG/CURRENT OBJECTIVE/BASELINE

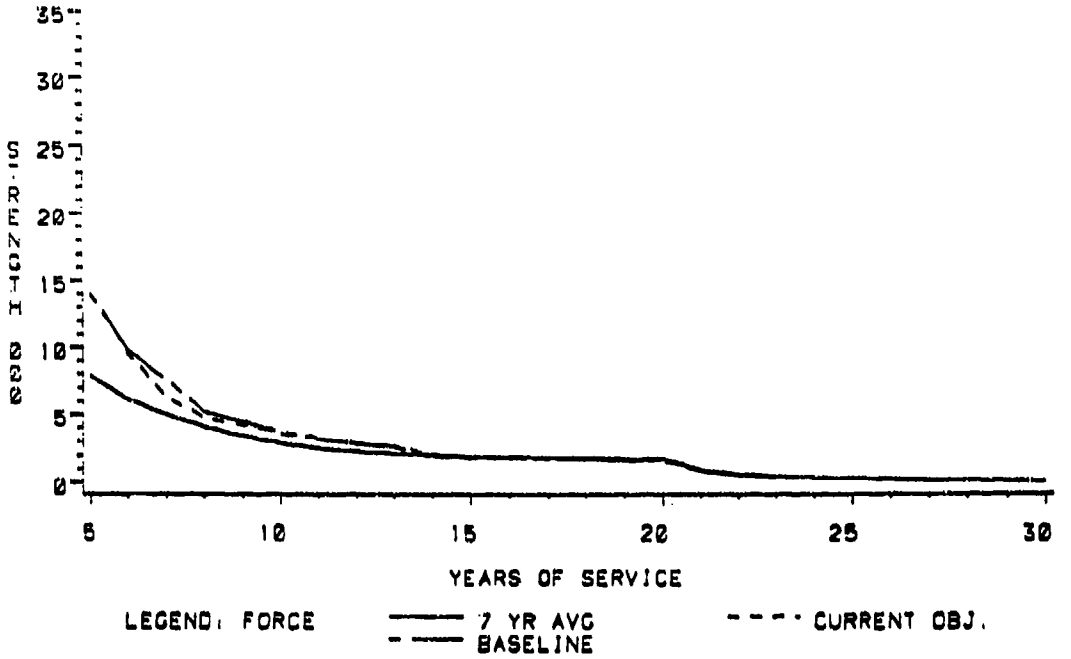
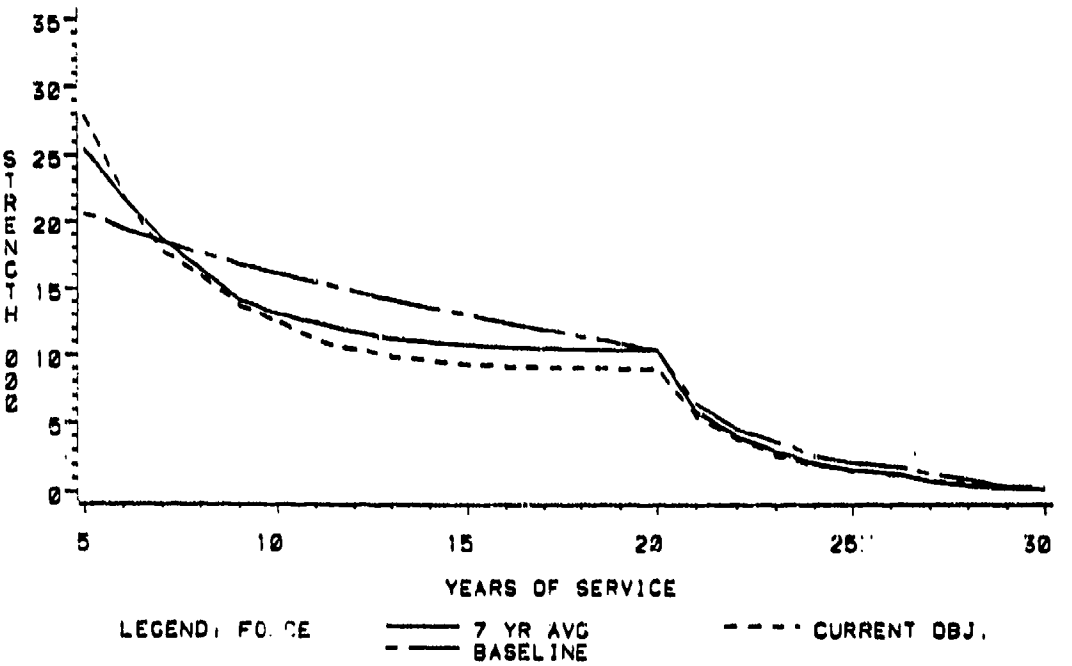


Figure I-9

USAF ENLISTED STRENGTH
7 YR AVG/CURRENT OBJECTIVE/BASELINE



B. RETENTION PATTERNS. The continuation rate data provided with Service baseline and current objective force structures are too aggregate to satisfy the needs of the ACOL model. For this reason, separate seven-year average retention rates covering FY76-FY82 were developed for two sub-populations for both the officer and enlisted force structures.

1. Officer personnel continuation rates were separated into:

   a. retention rates for due-course officers with no prior service, and
   b. retention rates for prior service officers (all officers retention rates were reported by Total Active Federal Commissioned Service Date (TAFCSD)).

2. Enlisted personnel continuation rates were separated into:

   a. retention rates for those personnel within 12 months of end-of-term-of-service, and
   b. those with a term of service exceeding 12 months, (all enlisted retention rates were reported by Total Active Federal Military Service Date, TAFMSD).

The officer ACOL model was designed to predict retention rates for due-course officers with no prior service. By using the predicted retention rates from equation (6) and information on the retention rates for officers with prior service, along with the percent of non-prior service (% NPS) officer personnel at each YOS in the officer model, the overall officer continuation rates by YOS were obtained. Use of NPS officer retention rates was required in the ACOL model to isolate the influence of prior-service personnel retirement before 20 years of active commissioned service. As the income streams in the ACOL model imply a due-course officer, the ACOL values were used to predict NPS retention. Figure I-10 displays, by Service, how the % NPS officers changes across years of commissioned service. Figures I-11 through I-14 display the retention rates for prior and NPS officers which must be weighted to obtain the overall continuation rates for each YOS. In equation form, we have:

$$(7a)\quad \text{Continuation} = \%\ \text{NPS} * \text{RTN}_{\text{NPS}} + (1 - \%\ \text{NPS}) * \text{RTN}_{\text{PS}} .$$

The enlisted ACOL model, following John Warner's earlier convention, was designed to predict reenlistment rates for personnel at an end-of-term-of-service (ETS). By using the predicted reenlistment rates from equation (6) and information on the retention rates for personnel not at ETS, along with the percent of enlisted personnel who are at ETS (% ETS) for each YOS in the enlisted model, the overall enlisted continuation rates by YOS were obtained.

Figure I-15 displays, by Service, how the % ETS changes across YOS. Figure I-16 through I-19 display the retention rates for enlisted members both at ETS and not at ETS.

Figure I-10

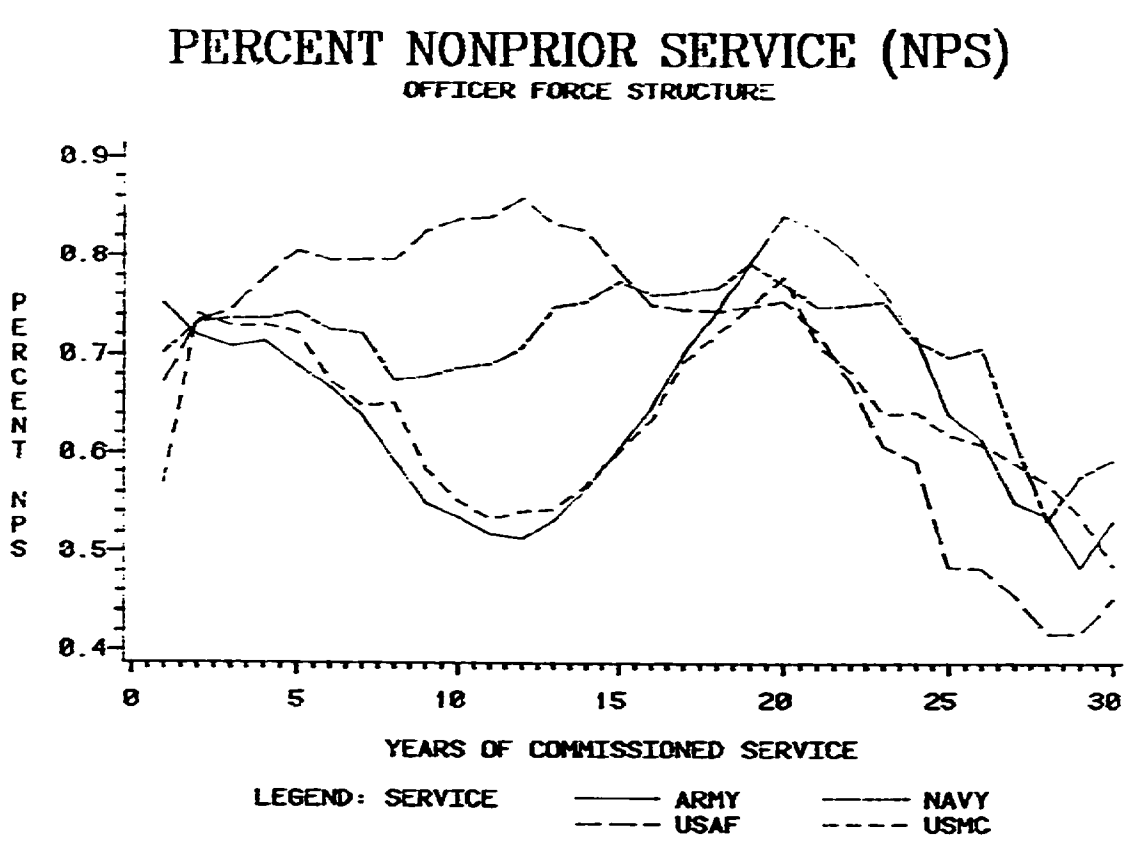

PERCENT NONPRIOR SERVICE (NPS)
OFFICER FORCE STRUCTURE
PERCENT NPS
0.9
0.8
0.7
0.6
0.5
0.4
0
5
10
15
20
25
30
YEARS OF COMMISSIONED SERVICE
LEGEND: SERVICE
ARMY
NAVY
USAF
USMC

Figure I-11

RETENTION RATES -- NONPRIOR/PRIOR SERVICE

OFFICER FORCE STRUCTURE
SERVICE=ARMY

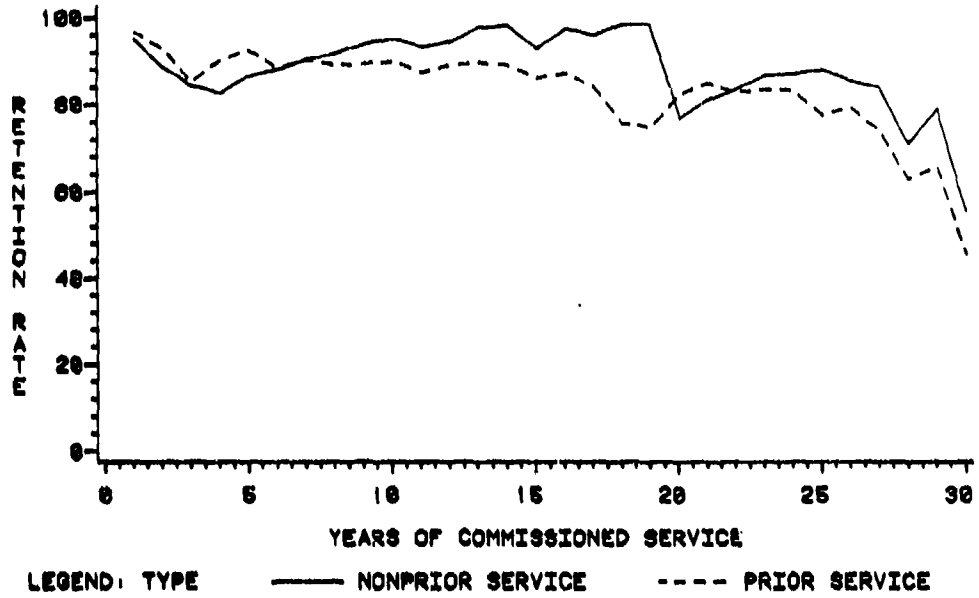


Figure I-12

RETENTION RATES -- NONPRIOR/PRIOR SERVICE

OFFICER FORCE STRUCTURE
SERVICE=NAVY

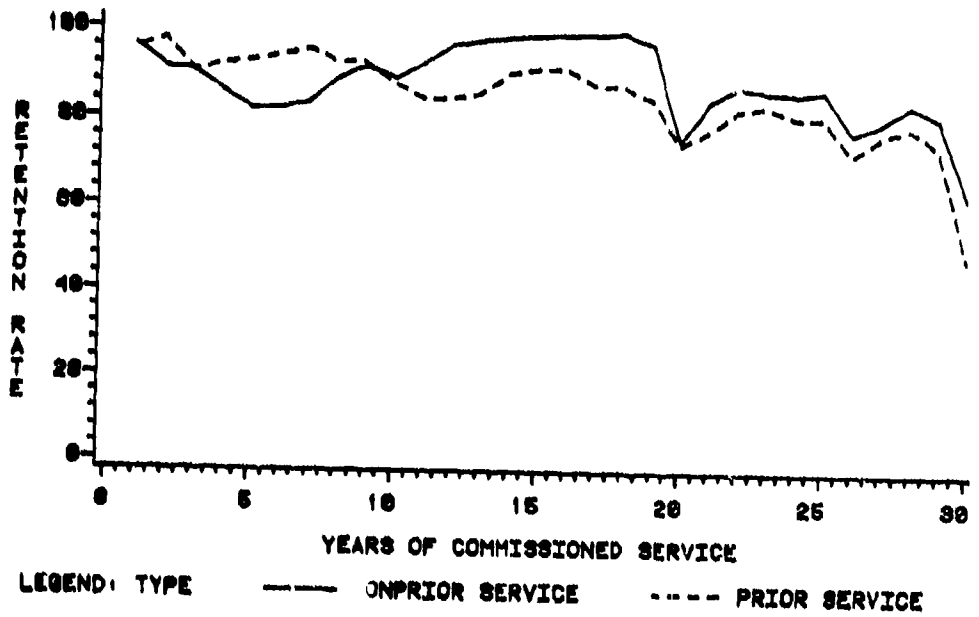


Figure I-13

RETENTION RATES -- NONPRIOR/PRIOR SERVICE

OFFICER FORCE STRUCTURE
SERVICE=USMC

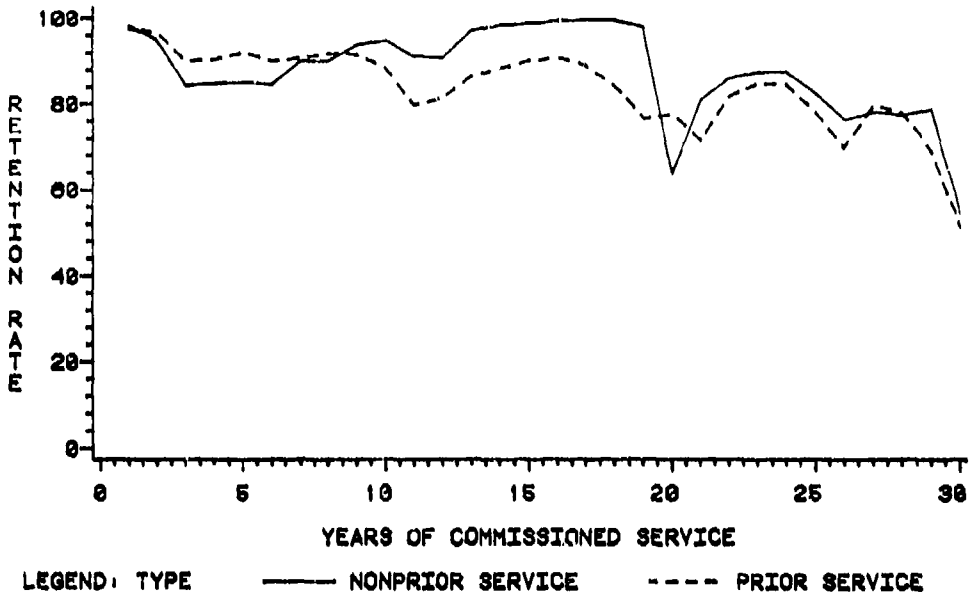


Figure I-14

RETENTION RATES -- NONPRIOR/PRIOR SERVICE

OFFICER FORCE STRUCTURE
SERVICE=USAF

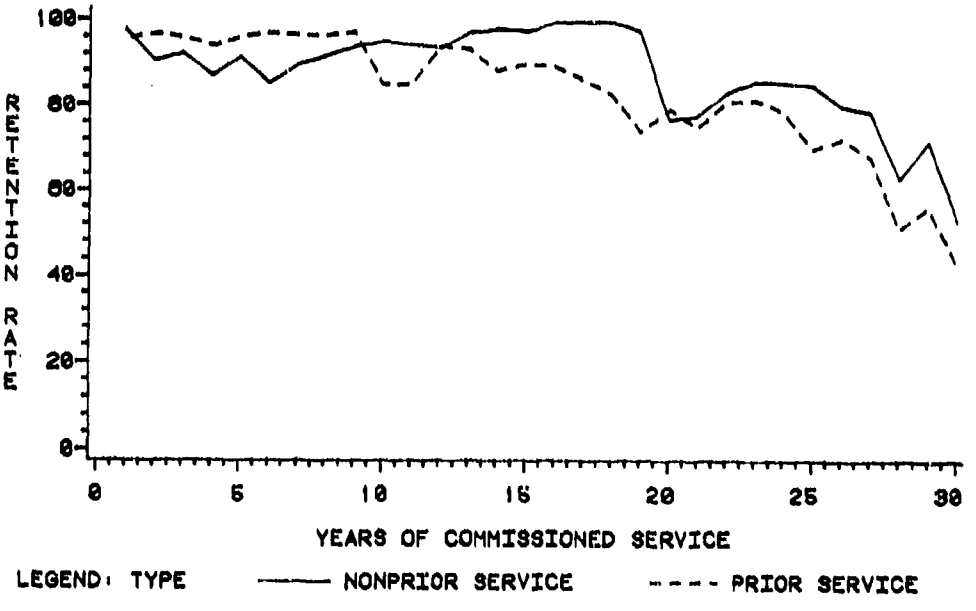


Figure I-15

END OF TERM OF SERVICE (ETS)

ENLISTED FORCE STRUCTURE

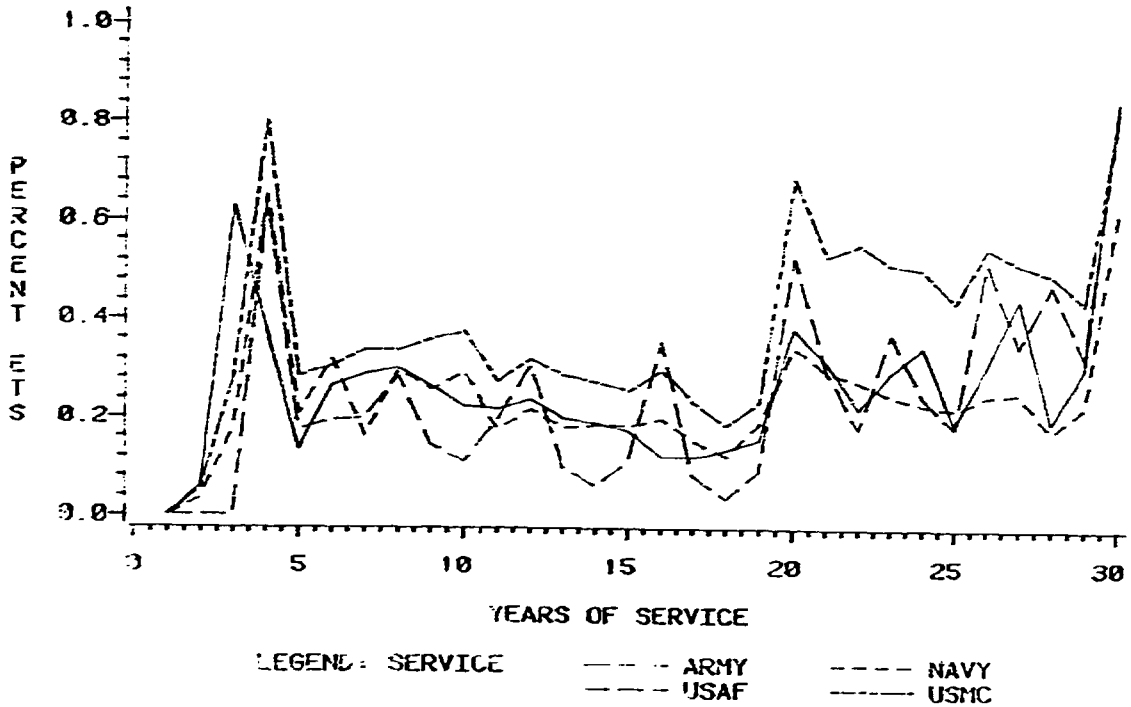


Figure I-16

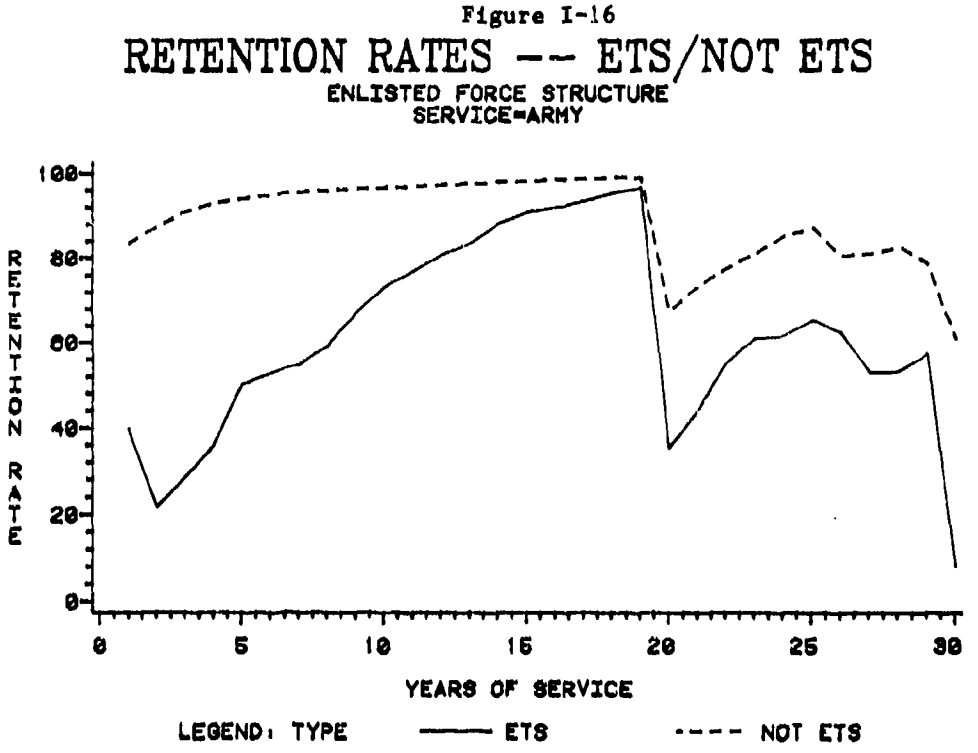


Figure I-17

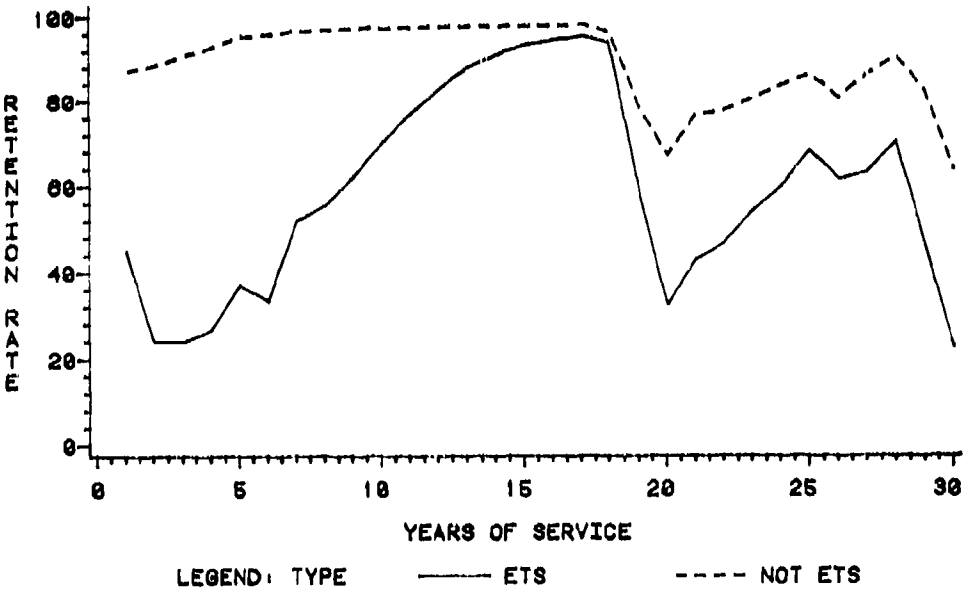


Figure I-18

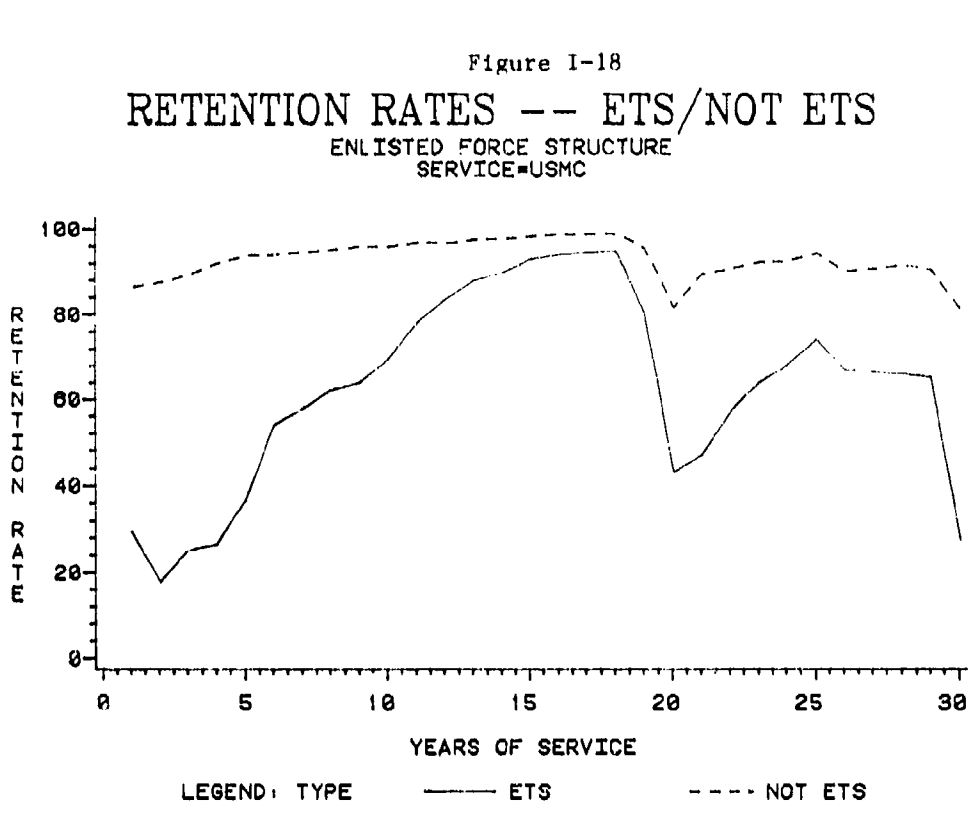
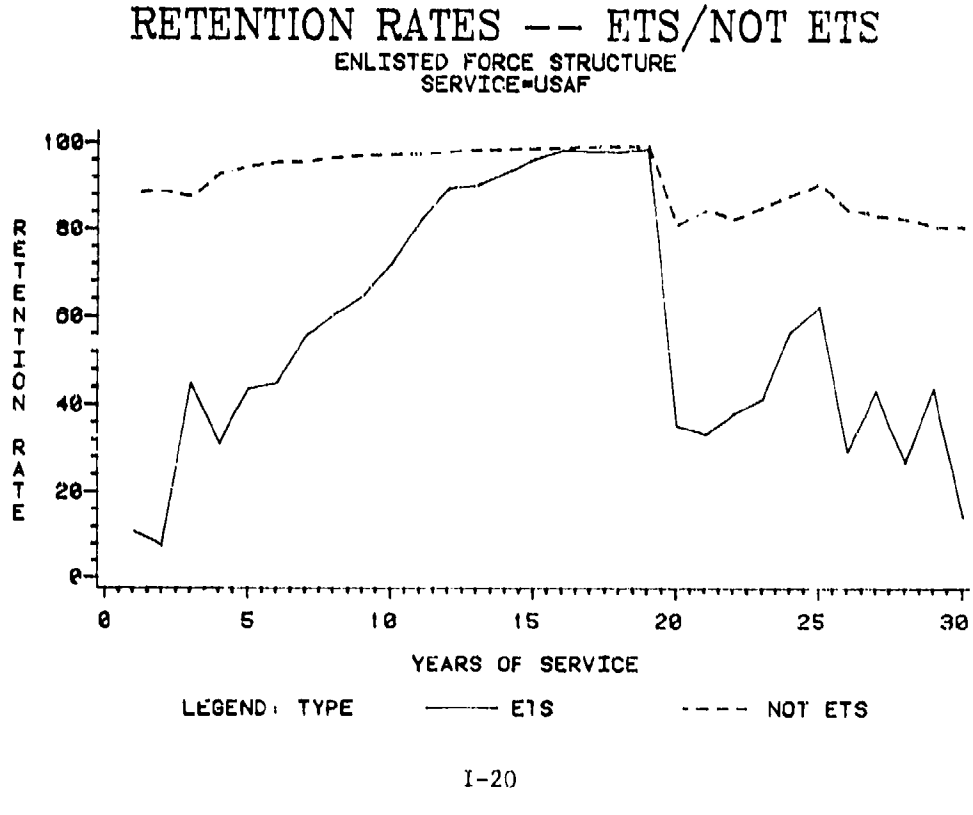


Figure I-19



For the enlisted force structure, equation (7a) becomes:

(7b) Continuation = % ETS * RTN_{ETS} + (1 - % ETS) * RTN_{NETS}

For both the enlisted and officer force structures, note how the retention rates, for members at ETS and NPS officers drop below the retention rates for members not at ETS and prior-service officers during the early years of service. Also note how the retention rates for enlisted ETS members and NPS officers generally increase to the point of retirement eligibility, then drop and show more fluctuation beyond the 20th YOS.

C. SERVICE COMPENSATION. Compensation policy of the Services was used to develop the Service earnings streams for use in the ACOL model. The elements of compensation policy were defined to include basic pay, basic allowance for quarters (with and without dependents), basic allowance for subsistence, variable housing allowance, Special and Incentive pays and allowance-associated tax advantage. (5) All pays and allowances were viewed in a grade and YOS perspective and measured in FY82 dollars. The Service earnings stream was then developed using the Service-specified strengths by grade and year of service to reflect promotion opportunties and special entitlements to receive each type of Service pay. The Special and Incentive pays were obtained from Service-provided compensation data tapes for FY82 and represent the annual dollar amount received by members in each occupational group by grade and YOS. Table I-2 contains a detail listing of the Special and Incentive pays captured by the model.

D. ALTERNATIVE CIVILIAN WAGE STREAMS. The alternative civilian wage, by age, was obtained from the 1980 Census Public-Use Microdata Sample (PUMS) for the first 17 states made available by the Bureau of Census. The states were: Arizona, Arkansas, California, Colorado, Florida, Illinois, Kansas, Louisiana, Maine, Michigan, Minnesota, Mississippi, Montana, Nebraska, New York, Pennsylvania and Texas. The alternative civilian wage was defined for veterans who had full-time earnings and who were between the age of 17 and 65. Fulltime earnings means that the individual indicated in the Census that he had worked at least 35 hours per week for at least 48 weeks in calendar year 1979. The resulting civilian veteran earnings were multiplied by the Employee Compensation Index value of 1.279 to establish 1982 comparative dollars. The officer alternative civilian veteran earnings stream was controlled to represent white male, college graduates in officer-related occupations. The enlisted alternative civilian veteran earnings stream was controlled to represent white males working in enlisted-related jobs.

Alternative wage stream equations were developed for each of the officer and enlisted occupational structures evaluated. These wage equations were developed from the Census data for use in the Annualized Cost of Leaving (ACOL) model. Previous wage equations used in the model were developed from Current Population Survey data and did not distinguished between earnings streams for different occupational groups. Using the results of a draft report on the Military Crosscode Project by Booz, Allen-Hamilton, Inc. (7) cross-walks were identified between Department

Table I-2
Special and Incentive Pays by Type

Aviation Pay
1. Aviation Career Incentive Pay
2. Aviation Officer Continuation Pay

Submarine & Nuclear Pay
3. Nuclear Career Accession Bonus
4. Nuclear Qualified Officer Continuation Pay
5. Nuclear Career Annual Incentive Bonus
6. Nuclear Submarine Accession Bonus
7. Submarine Duty Pay

Sea Pay
8. Career Sea Pay

Location/Billet Specific Pay
9. Certain Places (Foreign Duty) Pay
10. Responsibility Pay
11. Overseas Duty Extension Pay
12. Family Separation Allowance
13. Overseas Cost of Living Allowance
14. Overseas Housing/Rent Plus

Bonus Pays
15. Enlistment Bonus
16. Selective Reenlistment Bonus

Medical Special Pays
17. Special Pay for Active Duty Dentists/Veterinarians/Optometrists
18. Variable Special Pay for Medical Officers
19. Board Certification Pay for Medical Officers
20. Continuation Pay for Medical/Dental Officers
21. Additional Special Pay for Medical Officers
22. Incentive Special Pay for Medical Officers

Hazard Pays
23. Hostile Fire Pay
24. Diving Duty Pay
25. Incentive for Hazardous Duty - 1st
26. Incentive for Hazardous Duty - 2nd

Proficiency Pay
27. Proficiency Pay

of Defense and Census occupation coding structures. The Census population was then stratified into those veterans who were in officer- and enlisted-related jobs. For those occupations which matched both officer- and enlisted-related jobs, individuals in the Census were classified as enlisted or officer based on their level of education; i.e., those with less than a college degree were classified as enlisted. After the classification process was completed, the wage stream for each appropriate subgroup, i.e., officer- or enlisted-related occupation, was observed.

Tables I-3 and I-4 provide the officer- and enlisted-specific alternative civilian income stream equations by occupational group. These equations were estimated using 1979 wage and salary earnings of full-time male veterans who were identified as non-retired separatees in the 1980 Census. Full-time was defined as working 35 or more hours per week and 48 weeks or more per year. As previously stated, Census data was obtained from 17 States contained in the Public-Use Micro-Data Sample files. The data represents a five-percent sample of the 17 States and various subdivisions within them. Each equation was estimated in the following form:

$$(8)\quad \ln(\text{WAGE}) = \text{CONSTANT} + \text{LAMDA1}*\text{AGE} + \text{LAMDA2}*\text{AGESQ} + \text{LAMDA3}*\text{EDLT12} + \text{LAMDA4}*\text{ED1215} + \text{LAMDA5}*\%\text{BLACK}.$$

In equation (8), WAGE represents the 1979 wage and salary earnings reported in the Census for individuals of each age; AGESQ represents age squared; EDLT12 controls for an education level of less than a high school graduate. ED1215 controls for education levels of at least a high school graduate but less than a college graduate; and %BLACK controls for the percent of the population that is black.

To obtain the alternative wage streams using the equations in Tables I-3 and I-4, the observed distribution of the population percentages for EDLT12 and ED1215 was used for the enlisted-type occupations through age 35. For ages after 35, EDLT12 was set at 8% and ED1215 was set at 67% to avoid depressing the income stream for education policies in existence prior to 1945. Table I-5 contains the education distribution for all enlisted-type jobs identified in the Census. For the officer-type occupations, the population percentages for EDLT12 and ED1215 were set to zero so that the equations predict the wage streams of college graduates in officer-type jobs. The resulting civilian wage streams were then multiplied by 1.279, the Employee Compensation Index value necessary to raise the 1979 earnings estimate to 1982 dollars. The parameter estimates in Tables I-3 and I-4 which are not significantly different from zero are identified by an asterisk.

Some caution should be used in making comparisons between these occupational civilian alternative wage streams and the Service occupational earnings streams. First, for officer-related occupations, there exist training, leadership and management responsibilities not found in the civilian sector for individuals of comparable age. In addition, the servicemembers forego certain civil rights and subject their families

to overseas tours and extended periods of separation not common in the civilian sector. Second, the civilian wage streams for the professional occupations may exhibit a downward bias due to measuring only wage and salary earnings from the Census. Generally, lawyers, doctors and dentists in the civilian sector form partnerships or are self-employed and, therefore, do not report wage and salary earnings. Only individuals reporting wage and salary earnings were used in developing these equations. Third, chaplains (clergy) in the private sector often receive payment in-kind for housing rather than actual earnings. Consequently, this equation was adjusted upward by 25% of the earnings base to partially account for the lower reported earnings. Finally, there are some officer jobs in the Service that do not exist in the civilian sector. The aggregate wage equation for white male, college graduate, civilian veterans in officer related jobs was applied to the Combat Arms and Naval Operations occupational group due to this reason.

For the enlisted-related occupations, similar caution should be used in making earnings comparisons. Here, Service training may provide the basis for obtaining a civilian job. The availability of educational benefits sponsored by the Veterans Administration may provide the opportunity to obtain a college degree after some initial period of service and hence improve one's earnings potential. Again some enlisted jobs do not exist in the civilian sector. The aggregate wage equation for white male, civilian veterans in enlisted-related jobs, regardless of eduation, was applied to the Infantry, Gunner and Seaman occupational group for this reason. The use of the civilian wage equation for veterans in teaching and educational-type jobs as the alternative wage stream for non-occupational students is based on the judgement that students will be in lower paying jobs until they enter a specific occupation. The civilian wage equation for veterans in teaching and educational-type jobs is somewhat below the aggregate wage equation for white, civilian veterans in enlisted-related jobs. No attempt was made to weight the separate occupational wage equations using the mix of servicemembers by age in each occupational group. Use of these Service weights by occupational group could yield a somewhat higher average aggregate wage stream for both officer and enlisted, if the mix of Service personnel was distributed more heavily toward higher paying jobs than is the mix of veterans observed in the Census. For an expanded analysis of post-Service wage and salary earnings of former military personnel, see the Coopers & Lybard study of Military Retirees' and Separatees' Post-Service Earnings, (8) Appendix Q.

Table 1-3
Civilian Wage Equations by
Officer Occupational Group

OCCUPATION GROUP (CODE)	CONSTANT	LAMDA1	LAMDA2	LAMDA3	LAMDA4	LAMDA5	R^2	F-TEST	N
Legal (0)	8.2893 (.2556)	0.083425 (.0116)	-0.000739 (.00013)	-0.78346 (.2006)	-0.6455 (.0672)	-0.1185 (.0074)	.126	63.9	2175
Chaplain (1)	9.8853 (.3031)	-0.015430 (.0135)	0.000209 (.00015)	-0.17194 (.0689)	-0.2053 (.0324)	0.0272 (.0581)	.053	11.8	967
Physician (2)	6.8057 (.2779)	0.166514 (.0121)	-0.001668 (.00013)	-0.35222**	-0.4822 (.0949)	-0.1524 (.0606)	.106	64.3	2672
Dental (3)	6.2498 (.6519)	0.198539 (.0289)	-2.002161 (.00031)		0.1475* (.2439)	-0.1549** (.1605)	.078	12.6	547
Nurse (4)	8.248 (.3514)	0.064957 (.0178)	-0.000707 (.00021)	-0.09918 (.1007)		- .0050 (.0558)	.0481	5.7	375
Veterinarian (5)	7.3818 (1.1667)	0.129106 (.0523)	-0.001317 (.00057)		-1.0029 (.1795)		.250	12.6	107
Medical Service Corps (6)	8.4712 (.3769)	0.071668 (.0173)	-0.000667 (.00019)	-0.4685 (.0965)	-0.3249 (.0372)	-0.1923 (.0606)	.236	37.3	589
Bio-Medical Service (7)	8.2909 (.1854)	0.069594 (.0088)	-0.000604 (.00010)	-0.5200 (.0539)	-.4055 (.0227)	-0.1186 (.0347)	.373	183.6	1535
Aviators (8)&(9)	5.8881 (.3653)	0.193914 (.0173)	-0.001903 (.00019)	-0.3752 (.1333)	-0.2036 (.0367)	-0.5639* (.3437)	.279	66.9	854
Combat Arms &* Naval OPS (10)	8.3772 (.0304)	0.080984 (.0014)	-0.000794 (.00002)	-0.4839 (.0064)	-0.3578 (.0034)	-0.1565 (.0079)	.251	4432.1	66092
Combat Support (11)	8.6783 (.0402)	0.063735 (.0018)	-0.000627 (.00002)	-0.3491 (.0079)	-0.2375 (.0064)	-0.1348 (.0099)	.147	929.4	26900
Scientist & Engineers (12)	8.2457 (.0744)	0.080702 (.0034)	-0.000769 (.0004)	-0.2460 (.0348)	-0.1853 (.0070)	-0.0937 (.0228)	.248	482.4	7322
Other (13)	8.3921 (.0463)	0.076569 (.00215)	-0.000744 (.00002)	-0.4147 (.0134)	-0.2868 (.0061)	-0.1561 (.0131)	.219	1239.8	22049

*The aggregate wage equation for officer type jobs was applied to this military occupation group as similar job definitions do not exist in the Census data set.
**Not different from zero at the 1% level of significance.

Table I-4
Civilian Wage Equations by
Enlisted Occupational Group

OCCUPATION GROUP (CODE)	CONSTANT	LAMDA1	LAMDA2	LAMDA3	LAMDA4	LAMDA5	R^2	F-TEST	N
Infantry Gunners and Seaman (0)*	8.3254 (.0152)	.078529 (.00072)	-.0007977 (.000008)	-.438772 (.00287)	-307641 (.00224)	-.157808 (.00345)	.236	11664.2	188934
Electronic Equipment Repair (1)	7.6773 (.1169)	.102928 (.00572)	-.0011215 (.000067)	-.185359 (.03211)	-.054013 (.01924)	-.037442** (.03653)	.189	92.66	1966
Communications & Intelligence (2)	8.8872 (.06881)	.051059 (.00323)	-.0005250 (.000037)	-.221443 (.01625)	-.162900 .01195)	.078907 (.01215)	.129	132.4	4424
Medical & Dental (3)	7.9382 (.1093)	.086305 (.00519)	-.00087557 (.000059)	.555159 (.02867)	-.267738 (01346)	-.103800 (.01772)	.294	323.1	3870
Other Technical & Allied Specialists(4)	8.1858 (.0547)	.079870 (.00258)	-.0007938 (.000029)	-.358437 (.01160)	-.175051 (.00670)	-.111527 (.01414)	.229	757.1	12769
Support & Administration (5)	8.0003 (.0376)	.092448 (.00174)	-.0009077 (.000019)	-.571455 (.00894)	-.423228 (.00441)	-.154769 (.00827)	.318	4444.8	47628
Electrical/Mechanical Equipment Repair (6)	8.2388 (.0366)	.074526 (.00168)	-.0007832 (.000020)	-.176926 (.01282)	-.044437 (.01202)	-.099961 (.00960)	.122	695.5	24937
Craftsman (7)	8.3685 (.0267)	.070788 (.00124)	-.0007132 (.000014)	-.276359 (.00759)	-.151065 (.00711)	-.139410 (.00685)	.133	1613.1	52685
Service & Supply Handles (8)	8.1684 (.0359)	.081423 (.00167)	-.0006773 (.000019)	-.260377 .00844	-.176522 (.00768)	-.13787C (.00668)	.113	864.5	33836
Non-occupational Students (9)	8.2480 (.0659)	.065458 (.00305)	-.0006822 (.000036)	-.124002 (.02426)	-.053193 (.02346)	-.114254 (.01334)	.113	174.7	6819

*The aggregate wage equation for enlisted type jobs was applied to this military occupation group as similar job definitions do not exist in the Census data set.
**Not different from zero at the 1% level of significance.

Table I-5
Education and % Black Profiles of Veterans in Enlisted-Type Jobs

AGE	EDLT12	ED1215	% BLACK	Sample Size
19	22.2%	97.8%	14.3%	63
20	28.4	69.6	7.8	204
21	21.5	77.7	12.2	507
22	19.5	79.4	11.2	950
23	18.6	79.6	10.0	1,375
24	15.9	81.4	11.5	1,660
25	13.9	81.5	13.0	1,904
26	11.1	83.4	11.9	2,113
27	10.9	80.6	10.0	2,939
28	9.9	80.0	8.8	2,977
29	8.5	78.8	9.2	4,255
30	8.4	75.7	8.7	5,464
31	7.6	71.8	8.4	6,744
32	7.2	68.9	7.2	7,569
33	6.7	66.0	6.6	7,967
34	8.2	63.3	8.1	5,780
35	8.9	61.9	8.2	5,380
36	9.2	63.2	7.6	5,181
37	9.8	64.0	6.9	5,093
38	11.6	63.4	2.3	4,300
39	11.5	63.5	6.9	4,265
40	13.4	62.6	7.3	4,230
41	16.3	60.8	8.2	4,345
42	16.2	60.1	7.5	4,435
43	15.5	60.5	7.8	4,262
44	16.8	57.3	8.4	4,508
45	18.1	54.6	2.6	4,875
46	19.5	55.5	7.7	5,586
47	20.5	53.6	7.0	5,925
48	21.9	52.9	6.3	5,790
49	23.5	51.4	7.1	6,021
50	25.0	51.7	7.2	5,785
51	28.5	47.2	7.0	5,601
52	31.1	46.1	6.1	6,430
53	34.3	42.2	6.3	6,564
54	33.9	42.4	6.1	6,413
55	34.0	42.8	6.4	6,296

E. ALTERNATIVE DISCOUNT RATE ASSUMPTIONS. The personal discount rates through which servicemembers place a value on future value of the pay and/or retirement income, in comparison to the present value of the pay they are receiving in their current year of service are required by the ACOL model. Previous applications of the ACOL model have generally assumed a flat discount rate of 10% across all future time horizons. To determine if this assumption was empirically valid and to obtain estimates of discount rates representative of the Service population, the Fifth QRMC contracted with Systems Research and Applications Corporation (SRA) to estimate real personal discount rates for officer and enlisted personnel. Using data from the 1978-1979 Department of Defense Survey of Officer and Enlisted Personnel, SRA obtained estimates of personal discount rates by comparing individual responses to questions pertaining to preferences for lump sum versus life stream retirement earnings. (8) Logit regressions were estimated to identify the probability individuals with known characteristics, e.g., education, length of service, financial wealth, etc., would elect a specified lump-sum retirement benefit over a given annual annuity in the life stream plan. The personal discount rates were then imputed for individuals with specific officer- and enlisted-type characteristics. The results of the SRA study are contained in Personal Discount Rates: Estimates for the Military Population provided at Attachment 3. (9)

A second approach to estimating personal discount rates was derived from an understanding of how personnel policies influence the growth of human capital over the course of a career. Personnel policies in each of the Services define the type and level of entry education necessary for recruits to enter specific careers. As the Services recruit unskilled enlisted personnel for entry at the lowest level on the career ladder, they must provide opportunties for specialized training necessary to meet increased performance requirements over the course of a career. In addition to training policies, the Services provide other policies that impact on the standard of living of their members. Some of these include the requirement for permanent change-of-station travel, the granting of annual leave and the provision for medical non-availability. When these are taken into account, the return to the Services, measured in years of working service, may be estimated for personnel in each year of service. As shown at Attachment 1, implied rates of discount may be derived from knowledge of retention rates and of how people spend their time in developing human capital over the course of a career. The implicit discount rates are real versus nominal, or money, rates as no dollar values are needed for their derivation. Yet, as shown Attachment 1, both real and nominal discount rates can be consistently estimated using the human capital approach.

Table I-6 contains a comparison of the range of alternative discount rates evaluated by the Fifth QRMC. The range of discount rates from 10% down to 3% were examined in response to Service requests. The ACOL model was then re-estimated for each set of discount rates.

Table I-6
Alternative Discount Rate Assumptions

YOS	10%	OFFSRA*	ENLSRA*	TAPER I**	TAPER II**	5%	3%
1	10	11.6	14.7	16.4	23.6	5	3
2	10	11.6	14.7	11.9	16.9	5	3
3	10	11.6	14.6	10.3	14.0	5	3
4	10	11.3	14.3	9.5	12.4	5	3
5	10	10.7	13.7	9.0	11.2	5	3
6	10	10.5	13.7	8.7	10.5	5	3
7	10	10.5	13.4	8.3	9.8	5	3
8	10	10.3	12.9	8.0	9.2	5	3
9	10	10.3	12.8	7.9	8.9	5	3
10	10	10.2	12.8	7.9	8.5	5	3
11	10	9.9	12.6	7.6	8.4	5	3
12	10	9.9	12.6	7.6	8.1	5	3
13	10	9.9	12.3	7.5	7.7	5	3
14	10	9.8	12.4	7.5	7.6	5	3
15	10	10.0	12.4	7.3	7.5	5	3
16	10	9.8	12.5	7.4	7.4	5	3
17	10	9.9	12.3	7.3	7.3	5	3
18	10	9.8	12.4	7.3	7.2	5	3
19	10	9.5	12.1	7.3	7.1	5	3
20	10	9.5	12.3	7.2	7.1	5	3
21	10	9.3	12.1	7.1	7.0	5	3
22	10	9.0	11.5	7.2	6.9	5	3
23	10	9.1	11.2	7.2	6.8	5	3
24	10	8.8	11.4	7.0	6.7	5	3
25	10	8.7	11.0	7.2	6.7	5	3
26	10	8.4	11.6	7.0	6.6	5	3
27	10	8.4	11.6	7.1	6.5	5	3
28	10	8.4	11.6	7.1	6.5	5	3
29	10	8.4	11.6	7.1	6.4	5	3
30	10	8.4	11.6	7.0	6.4	5	3

* Army officer and enlisted discount rates as estimated by Systems Research and Applications Corporation using the 1979 DoD Survey of Officer and Enlisted Personnel. For Service-specific rates see Personnel Discount Rates: Estimates for the Military Population, May 1983, Attachment 3.

**Estimated from Air Force data using human capital assumptions. See technical note in Attachment 1.

IV. CALIBRATION OF THE ACOL MODEL. Calibration of the ACOL model was undertaken for several reasons. First, the data sets underlying previous versions of the model excluded most Special and Incentive pays, did not cover the officer force and did not use officer- and enlisted-specific alternative civilian income streams. Second, although previous users in calibrating the model on one or more fiscal years observed varying parameter estimates for different fiscal years and different occupational groups, there had been no previous attempts to estimate the model by DoD occupational category within each Service. Third, rather than using FY82 continuation rates, which reflect high levels of unemployment in the private sector as the basis for projection, we elected to use an average of continuation rates over the past seven years (FY76-FY82). Our choice of the seven-year average continuation rates were based on the fact that these rates reflect the level of continuation rates the Services have been able to obtain, on average, over the past seven-year period and, therefore, are more reflective of long-term patterns. While it is recognized there have been substantial pay raises and changes in the application of Special and Incentive pays during the past seven years, it was believed that these changes were in response to changes in the level of the civilian alternative wage streams and, thereby, served to keep the Service versus civilian wage differential relatively constant over the longer term.

In the model calibration phase, two modes of model application were evaluated. The first mode covered estimation of the model for several alternative assumptions about the structure of discount rates (Table I-6) to be used in calculating the ACOL values. The second mode used a single set of discount rates to calibrate the model for each of the occupational groups of interest. The resulting parameters were estimated by discount-rate set for the ACOL model specified earlier in equation (6). The form of the equations estimated was:

$$(9)\quad \ln\left(\frac{R}{1-R}\right) = \text{Constant} + \text{ALPHA} * \text{LE.5} + \text{BETA} * \text{ACOL} .$$

A. MODEL CALIBRATION USING ALTERNATIVE DISCOUNT RATES. Table I-7 provides the parameter estimates for the officer ACOL model. The corresponding standard errors are provided in parentheses. From Table I-7, one can see that, as the level of the assumed discount rate decreases the BETA also declines. This observation was expected as the dependent (left-hand side) variable in equation (9) was the same for each set of ACOLs corresponding to a given set of discount rates. Table I-8 provides similar calibration equations for the enlisted force. To estimate each of the equations in Tables I-7 and I-8, the term LE.5 was a qualitative variable set equal to one for each YOS less than or equal to five, to partially account for the effects of first-term policies. Note all parameters in Tables I-7 and I-8 are statistically different from zero at the 5% level of significance.

Table I-7
Calibrated Equations for the ACOL Model for Officers
Using Alternative Discount Rates

Discount Rates	Constant	ALPHA	BETA	R^2	F-TEST	N
.10	.9859 (.2246)	.4860 (.2037)	.000084 (.000008)	.599	48.0	64
SRA	1.0290 (.2180)	.4931 (.2024)	.000074 (.000007)	.604	49.0	64
TAPERED I	.9800 (.2193)	.5080 (.2009)	.000065 (.000006)	.612	50.6	64
TAPERED II	1.0140 (.2161)	.5195 (.2016)	.000060 (.000006)	.612	50.6	64
.05	.9201 (.2204)	.5049 (.1976)	.000052 (.000005)	.622	52.8	64
.03	.8683 (.2224)	.5044 (.1456)	.000041 (.000004)	.628	54.3	64

Table I-8
Calibrated Equations for the ACOL Model for Enlisted Personnel
Using Alternative Discount Rates

Discount Rates	Constant	ALPHA	BETA	R^2	F-TEST	N
.10	.4953 (.1345)	-1.6059 (.2203)	.000198 (.000024)	.750	95.5	64
SRA	.6627 (.1292)	-1.7307 (.2252)	.000213 (.000028)	.728	85.4	64
TAPERED I	.3731 (.1283)	-1.4300 (.2073)	.000162 (.000017)	.790	119.3	64
TAPERED II	.1210 (.1439)	-1.3790 (.2055)	.000153 (.000015)	.797	124.6	64
.05	-.1292 (.1549)	-1.3088 (.1993)	.000130 (.000012)	.813	137.8	64
.03	-.4039 (.1651)	-1.2444 (.1912)	.000102 (.000009)	.831	155.5	64

B. MODEL CALIBRATION BY OCCUPATIONAL CATEGORIES. Using the Taper I discount rates, calibration of the ACOL model was conducted for each of the enlisted and officer occupational groups. These equations are provided in Table I-9 for the officer and Table I-10 for the enlisted occupational groups. Again, all the parameter values for ALPHA and BETA are statistically different from zero at the 5% level of significance for the enlisted models, with only the ALPHA for Dentist and Veterinarian equations for the officer models not being significant. Also, the constant terms in the enlisted equation for Craftsman, and in the Dentist and Veterinarian equations for officers, are not significantly different from zero.

Table I-9
Calibrated Equations for the ACOL Model for Officers
by Occupational Grouping
Using Taper I Discount Rates

Occupational Grouping	Constant	ALPHA	BETA	R^2	F-TEST	N
Legal	0.1552 (.2041)	1.5227 (.2780)	.000087 (.000007)	.727	85.0	64
Chaplain	2.0479 (.2211)	0.4173 (.2273)	.000034 (.000005)	.469	21.8	48
Physician	1.3397 (.1010)	-0.6395 (.1935)	.000063 (.000006)	.741	68.1	48
Dentist	0.2968* (.2805)	0.1216* (.3608)	.000076 (.000008)	.677	50.4	48
Nurse	0.4990 (.2386)	0.6187 (.2665)	.000059 (.000006)	.662	47.0	48
Veterinarian	0.3684* (.3964)	0.3334* (.4518)	.000051 (.000010)	.622	13.4	16
Medical Service Corps	1.4269 (.2289)	0.6787 (.3309)	.000075 (.000009)	.580	33.4	48
Bio-Medical Service	0.8114 (.3272)	0.7988 (.3802)	.000063 (.000010)	.556	20.4	32
Pilots	1.4824 (.1552)	1.8557 (.1831)	.000070 (.000006)	.730	57.7	64
Navigators (NFOs)	2.0533 (.1450)	0.9519 (.2856)	.000099 (.000012)	.615	38.5	48
Combat Arms and Naval Operations	1.0244 (.1857)	1.3587 (.2509)	.000075 (.000006)	.752	72.1	48
Combat Support	1.0914 (.1786)	1.2552 (.2476)	.000068 (.000006)	.734	65.7	48
Scientists & Engineers	1.8832 (.2452)	1.2543 (.3793)	.000047 (.000010)	.606	12.5	16
Other	0.9480 (.1967)	1.5605 (.2649)	.000075 (.000007)	.802	63.8	32

* Not different from zero at the 5% level of significance.

Table I-10
Calibrated Equations for the ACOL Model for Enlisted Personnel
by 1-Digit DoD Primary Occupation Group Code
Using Taper I Discount Rates

Occupation Group (Code)	Constant	ALPHA	BETA	R^2	F-TEST	N
Infantry, Gunners and Seaman	.4910 (.1773)	-1.0601 (.2727)	.000145 (.000022)	.605	49.3	64
Electronic Equipment Repair	-.2236 (.1270)	-0.5764 (.1958)	.000188 (.000015)	.799	125.9	64
Communications & Intelligence	.4214 (.1424)	-0.6243 (.2523)	.000156 (.000019)	.645	58.1	64
Medical & Dental	-.4395 (.2276)	-0.4117 (.2846)	.000211 (.000024)	.701	56.0	64
Other Technical & Allied Specialties	.5715 (.1315)	-1.0399 (.2338)	.000175 (.000020)	.733	84.9	64
Support & Administration	.9387 (.1215)	-1.7922 (.2091)	.000159 (.000020)	.745	92.9	64
Electrical Mech & Equipment Repair	.2688 (.1743)	-0.7631 (.2729)	.000146 (.000020)	.606	49.4	64
Craftsman	.1253* (.1743)	-0.8903 (.2729)	.000145 (.000020)	.654	60.5	64
Service & Supply	.7707 (.1690)	-1.1867 (.2707)	.000127 (.000020)	.585	45.4	64
Non-Occupational Students	-.4186 (.1254)	-0.5832 (.2154)	.000153 (.000018)	.719	58.6	46

V. EFFECT ON PAY ELASTICITIES OF CHANGING THE DISCOUNT RATE. The original BETA coefficient (.000227) of the Annualized Cost of Leaving (ACOL) variable in the enlisted ACOL model was estimated based upon a 10% real discount rate, assumed to be constant and independent of length of Service (Warner, "Alternative Military Retirement Systems: Their Effects on Enlisted Retention," September 1979). The annualized cost of leaving variable is defined as the annualized difference in the present value of Service and civilian compensation, constructed over an "optimal" time horizon (one that maximizes ACOL). As such, the magnitude of the independent variable is a function of the discount rate; the smaller the discount rate, the larger the independent variable. The discount rate itself is as much a part of the appropriate measure of the independent variable as the basic pay and allowance tables themselves. Using the "wrong" discount rate is potentially as serious an "errors-in-variables" problem as using the wrong basic pay table.

Historical variation in Service and civilian pay has been generally "across-the-board". There has not been significant variation in the relative proportions of current and deferred income within Service pay that would allow us to discern the "right" discount rate based upon the direction of the retention response. That is, an historical experiment in which a change in the mix of Service compensation would result in a decline in the measured independent variable (ACOL) under a relatively high discount rate, but an increase in the ACOL under a relatively low discount rate would allow us to discern which set of discount rates were closer to the truth by examining the change in retention rates that result. Such a pure test does not exist. The closest approximation to such an experiment was a change in the method of paying Selective Reenlistment Bonuses from installment to lump sums in 1979. The resulting increase in retention rates was consistent with a personal discount rate for Navy enlisted personnel making their first reenlistment decision of about 18% (see Cylke, et al.). (9)

In addition to examining the reenlistment bonus experiment as a way to measure personal discount rates, two other approaches were reviewed. First, using the results of the 1978-1979 DoD Survey of Officers and Enlisted Pesonnel (10), Systems Research and Applications Corporation developed sets of discount rates for each Service (see Personnel Discount Rates: Estimates for the Military Population (11), May 1983, Attachment 3). Second, a set of tapered discount rates were developed using an analysis of human capital as a basis for explaining retention behavior within the Air Force. For a technical explanation of the development of the tapered discount rates see Attachment 1.

Given the degree of uncertainty surrounding the "right" discount rates to use in the ACOL analysis, the model was recalibrated for the range of discount rates discussed earlier in Table I-6. To evaluate whether the recalibrated models predicted changes in retention similar to those historically observed, pay elasticities were estimated for an assumed 10% pay raise.

The pay elasticities for officer personnel are defined as the percentage change in retention due to a percentage change in pay for those members who do not have prior service. No adjustment has been made in the officer elasticities to control for personnel within 12 months of the end of their obligated service. As expected, the officer pay elasticities are lower than those of enlisted members. Again, the elasticities beyond YOS 20 are larger than those in the pre-20 YOS. Unlike the enlisted, however, the post-20 YOS elasticities are larger than elasticities for officers at the end of their initial service obligations. If only 1/3 of the officer personnel at each year of service are considered free to make a stay or leave decision, then the elasticities reported in Table I-11 through I-14 would be about three times greater and would be commparable to the elasticities for enlisted personnel.

The pay elasticities for enlisted personnel are defined as the percentage change in retention due to a percentage change in pay for those members who are within 12 months of the end of their terms of service. The resulting pay elasticities for enlisted personnel are provided for selected alternate discount rate structures, by Service, in Tables I-15 through I-18. As these tables indicate, first- and second-term pay elasticities are generally in the range from 1.5 to 3.5, consistent with the findings of previous studies (for example, see Warner and Simon, 1979). (12) Beyond YOS 20, the pay elasticities are generally larger than those for YOS 12 through 19, but less than first-term elasticities.

Table I-11
Pay Elasticities for Army Officer Personnel
Using Alternative Discount Rates

YOS	.10	SRA	TAPER I	.05	.03
1	0.13	0.13	0.12	0.10	0.09
2	0.31	0.30	0.27	0.26	0.23
3	0.45	0.44	0.39	0.37	0.32
4	0.52	0.51	0.46	0.43	0.37
5	0.41	0.39	0.36	0.33	0.29
6	0.37	0.35	0.33	0.31	0.27
7	0.30	0.30	0.27	0.24	0.22
8	0.26	0.26	0.24	0.22	0.19
9	0.20	0.21	0.18	0.17	0.14
10	0.16	0.15	0.14	0.13	0.12
11	0.24	0.24	0.21	0.20	0.18
12	0.20	0.20	0.19	0.18	0.16
13	0.08	0.08	0.07	0.07	0.06
14	0.07	0.07	0.07	0.06	0.05
15	0.33	0.33	0.30	0.28	0.26
16	0.12	0.12	0.11	0.10	0.10
17	0.23	0.23	0.20	0.19	0.18
18	0.02	0.02	0.02	0.02	0.01
19	0.01	0.01	0.01	0.01	0.01
20	1.06	0.98	0.92	0.91	0.68
21	0.80	0.72	0.70	0.68	0.51
22	0.85	0.78	0.74	0.73	0.56
23	0.63	0.55	0.53	0.53	0.37
24	0.61	0.53	0.51	0.51	0.35
25	0.69	0.63	0.59	0.58	0.44
26	1.78	1.75	1.64	1.57	1.56
27	0.97	0.81	0.81	0.80	0.53
28	1.81	1.54	1.51	1.48	1.03
29	2.15	1.83	1.83	1.81	1.28
30	2.66	2.29	2.27	2.25	1.57

Table I-12
Pay Elasticities for Navy Officer Personnel
Using Alternative Discount Rates

YOS	.10	SRA	TAPER I	.05	.03
1	0.09	0.09	0.08	0.07	0.07
2	0.23	0.23	0.21	0.20	0.17
3	0.26	0.26	0.23	0.22	0.19
4	0.41	0.39	0.36	0.34	0.29
5	0.54	0.53	0.47	0.45	0.39
6	0.55	0.53	0.48	0.46	0.40
7	0.53	0.51	0.47	0.44	0.37
8	0.36	0.36	0.33	0.30	0.26
9	0.27	0.27	0.24	0.23	0.20
10	0.39	0.38	0.35	0.34	0.28
11	0.28	0.28	0.25	0.24	0.20
12	0.13	0.12	0.11	0.11	0.10
13	0.09	0.09	0.08	0.08	0.07
14	0.07	0.07	0.06	0.06	0.05
15	0.05	0.05	0.05	0.04	0.04
16	0.05	0.05	0.04	0.03	0.03
17	0.04	0.04	0.03	0.02	0.02
18	0.04	0.02	0.01	0.01	0.01
19	0.30	0.30	0.30	0.30	0.29
20	1.13	1.02	0.98	0.97	0.71
21	0.79	0.71	0.69	0.68	0.50
22	0.65	0.59	0.57	0.56	0.42
23	0.61	0.54	0.52	0.52	0.35
24	0.67	0.58	0.58	0.57	0.41
25	0.68	0.62	0.59	0.58	0.44
26	2.86	2.86	2.75	2.67	2.66
27	1.00	0.85	0.85	0.84	0.55
28	0.86	0.73	0.73	0.73	0.48
29	2.23	1.89	1.79	1.71	1.24
30	2.32	1.97	1.94	1.85	1.35

Table I-13
Pay Elasticities for USMC Officer Personnel
Using Alternative Discount Rates

YOS	.10	SRA	TAPER I	.05	.03
1	0.05	0.05	0.04	0.04	0.03
2	0.15	0.14	0.12	0.11	0.09
3	0.46	0.45	0.40	0.38	0.32
4	0.47	0.44	0.39	0.36	0.32
5	0.47	0.45	0.41	0.39	0.33
6	0.49	0.47	0.44	0.40	0.35
7	0.33	0.32	0.29	0.27	0.23
8	0.33	0.32	0.29	0.28	0.24
9	0.20	0.19	0.17	0.16	0.15
10	0.19	0.18	0.17	0.16	0.13
11	0.33	0.32	0.28	0.28	0.24
12	0.35	0.35	0.32	0.29	0.27
13	0.10	0.10	0.09	0.09	0.08
14	0.06	0.06	0.06	0.05	0.05
15	0.05	0.05	0.04	0.04	0.04
16	0.03	0.03	0.03	0.03	0.02
17	0.02	0.02	0.02	0.01	0.01
18	0.02	0.02	0.02	0.01	0.01
19	0.02	0.02	0.01	0.01	0.01
20	1.53	1.41	1.35	1.33	0.99
21	1.13	1.02	0.97	0.95	0.72
22	0.77	0.71	0.67	0.66	0.50
23	0.57	0.50	0.48	0.48	0.33
24	0.58	0.51	0.50	0.49	0.34
25	0.84	0.77	0.72	0.71	0.54
26	3.30	3.24	3.17	3.09	2.88
27	0.99	0.83	0.80	0.79	0.56
28	1.33	1.13	1.10	1.07	0.79
29	1.61	1.37	1.37	1.37	1.15
30	2.09	1.80	1.79	1.79	1.32

Table I-14
Pay Elasticities for USAF Officer Personnel
Using Alternative Discount Rates

YOS	.10	SRA	TAPER I	.05	.03
1	0.06	0.06	0.05	0.05	0.05
2	0.25	0.25	0.23	0.22	0.18
3	0.22	0.21	0.20	0.18	0.16
4	0.38	0.36	0.33	0.32	0.27
5	0.25	0.24	0.22	0.21	0.18
6	0.47	0.45	0.41	0.39	0.33
7	0.33	0.32	0.29	0.27	0.24
8	0.27	0.27	0.24	0.33	0.20
9	0.21	0.20	0.18	0.17	0.15
10	0.17	0.17	0.16	0.15	0.13
11	0.21	0.20	0.19	0.18	0.16
12	0.25	0.24	0.22	0.21	0.19
13	0.12	0.12	0.11	0.10	0.10
14	0.01	0.01	0.01	0.01	0.07
15	0.12	0.12	0.11	0.11	0.10
16	0.02	0.02	0.02	0.02	0.02
17	0.02	0.02	0.02	0.01	0.02
18	0.02	0.02	0.02	0.02	0.02
19	0.26	0.26	0.26	0.26	0.26
20	1.17	1.10	1.03	1.01	0.79
21	1.05	0.91	0.88	0.88	0.63
22	0.88	0.80	0.77	0.75	0.56
23	0.70	0.61	0.59	0.59	0.40
24	0.77	0.65	0.65	0.65	0.43
25	1.03	0.91	0.85	0.84	0.64
26	2.55	2.52	2.48	2.37	2.16
27	1.31	1.10	1.10	1.09	0.75
28	2.79	2.42	2.35	2.28	1.63
29	4.61	4.35	3.61	3.61	2.22
30	6.91	5.23	4.55	4.48	2.97

Table I-15
Pay Elasticities USAF Officer Personnel
Using Alternative Discount Rates

YOS	.10	SRA	TAPER I	.05	.03
1					
2	2.31	2.11	2.02	1.92	1.78
3	3.34	3.02	2.92	2.69	2.52
4	2.96	2.44	2.71	2.43	2.33
5	2.48	2.22	2.46	2.16	2.10
6	2.12	2.18	1.87	1.66	1.61
7	2.05	2.12	1.82	1.62	1.56
8	2.01	2.08	1.79	1.59	1.49
9	1.85	1.91	1.66	1.48	1.33
10	1.50	1.55	1.36	1.22	1.10
11	1.23	1.27	1.11	1.01	0.92
12	1.08	1.11	0.99	0.90	0.82
13	0.93	0.85	0.86	0.78	0.72
14	0.83	0.85	0.77	0.71	0.65
15	0.61	0.63	0.58	0.53	0.50
16	0.49	0.50	0.47	0.44	0.41
17	0.47	0.48	0.46	0.43	0.41
18	0.14	0.14	0.12	0.12	0.11
19	0.001	0.001	0.001	0.001	0.001
20	0.00	0.00	0.00	0.00	0.00
21	2.62	2.81	2.29	1.95	1.81
22	2.15	2.23	1.91	1.65	1.46
23	1.68	1.76	1.52	1.22	1.15
24	1.65	1.72	1.50	1.33	1.17
25	1.34	1.41	1.19	1.04	0.43
26	1.01	1.05	0.94	0.84	0.76
27	2.02	2.09	1.88	1.71	0.73
28	2.04	2.15	1.76	1.47	1.19
29	1.40	1.47	1.21	1.01	0.81
30	1.71	1.81	1.46	1.21	0.96

Table I-16
Pay Elasticities for Navy Enlisted Personnel
Using Alternative Discount Rates

YOS	.10	SRA	TAPER I	.05	.03
1					
2	2.03	2.11	1.77	1.59	1.48
3	3.16	3.32	2.75	2.42	2.15
4	3.30	3.48	2.87	2.52	2.21
5	3.28	3.27	2.86	2.51	2.20
6	2.78	2.94	2.45	2.15	1.90
7	3.12	3.30	2.74	2.41	2.13
8	2.14	2.25	1.90	1.69	1.51
9	2.01	2.12	1.80	1.60	1.44
10	1.73	1.82	1.56	1.40	1.26
11	1.37	1.44	1.24	1.11	1.02
12	1.05	1.11	0.96	0.87	0.80
13	0.81	0.85	0.75	0.69	0.63
14	0.57	0.60	0.53	0.49	0.46
15	0.45	0.47	0.42	0.39	0.36
16	0.35	0.36	0.33	0.31	0.29
17	0.30	0.32	0.29	0.28	0.26
18	0.09	0.08	0.08	0.08	0.07
19	0.06	0.005	0.005	0.005	0.004
20	0.00	0.00	0.00	0.00	0.00
21	2.66	2.87	2.33	2.00	1.69
22	1.76	1.91	1.53	1.32	1.20
23	1.87	2.02	1.69	1.47	1.27
24	1.42	2.52	1.24	1.06	0.96
25	1.20	1.29	1.06	0.95	0.86
26	1.02	1.09	0.95	0.86	0.77
27	1.83	1.94	1.71	1.54	0.77
28	1.21	1.28	1.07	0.92	0.77
29	0.76	1.08	0.67	0.58	0.48
30	1.65	1.75	1.44	1.21	0.99

Table I-17
Pay Elasticities for USMC Enlisted Personnel
Using Alternative Discount Rates

YOS	.10	SRA	TAPER I	.05	.03
1					
2	2.80	2.90	2.46	2.21	2.18
3	3.60	3.75	3.14	2.80	2.69
4	3.31	3.46	2.91	2.59	2.35
5	3.39	3.55	2.98	2.64	2.35
6	2.90	3.04	2.57	2.29	2.04
7	2.05	2.15	1.84	1.64	1.48
8	1.91	2.01	1.72	1.54	1.39
9	1.75	1.84	1.58	1.42	1.29
10	1.72	1.80	1.56	1.41	1.28
11	1.47	1.54	1.35	1.22	1.11
12	1.06	1.11	0.98	0.89	0.82
13	0.83	0.86	0.77	0.70	0.65
14	0.62	0.64	0.58	0.53	0.50
15	0.55	0.57	0.52	0.48	0.45
16	0.40	0.42	0.38	0.36	0.34
17	0.37	0.38	0.35	0.34	0.32
18	0.09	0.08	0.08	0.07	0.07
19	0.004	0.003	0.003	0.003	0.003
20	0.00	0.00	0.00	0.00	0.00
21	2.88	3.11	2.53	2.17	1.84
22	1.85	1.99	1.64	1.44	1.26
23	1.86	1.98	1.69	1.49	1.31
24	1.33	1.42	1.18	1.03	0.87
25	1.16	1.23	1.03	0.88	0.79
26	0.84	0.89	0.78	0.70	0.63
27	1.73	1.82	1.61	1.45	0.64
28	1.30	1.37	1.17	0.94	0.76
29	1.24	1.31	1.07	0.89	0.72
30	1.21	1.28	1.04	0.87	0.69

Table I-18
Pay Elasticities for USAF Enlisted Personnel
Using Alternative Discount Rates

YOS	.10	SRA	TAPER I	.05	.03
1					
2	3.69	3.50	3.21	3.07	2.82
3	3.81	3.57	3.54	3.29	3.07
4	1.83	1.75	1.93	1.76	1.68
5	2.21	2.39	2.63	2.32	2.26
6	2.39	2.19	2.12	1.88	1.83
7	2.42	2.43	2.14	1.90	1.84
8	1.92	2.01	1.72	1.53	1.47
9	1.74	1.82	1.57	1.40	1.26
10	1.58	1.65	1.43	1.28	1.16
11	1.25	1.31	1.14	1.03	0.94
12	0.81	0.84	0.74	0.68	0.62
13	0.47	0.49	0.44	0.40	0.37
14	0.46	0.48	0.43	0.40	0.37
15	0.34	0.35	0.32	0.29	0.27
16	0.19	0.20	0.18	0.17	0.16
17	0.08	0.09	0.08	0.08	0.07
18	0.02	0.02	0.02	0.02	0.02
19	0.002	0.001	0.001	0.001	0.001
20	0.00	0.00	0.00	0.00	0.00
21	2.60	2.79	2.29	1.97	1.68
22	1.70	1.18	1.52	1.35	1.20
23	1.65	1.75	1.51	1.34	1.18
24	1.94	2.08	1.71	1.48	1.13
25	1.11	1.12	0.98	0.88	0.79
26	0.85	0.89	0.79	0.71	0.64
27	4.23	4.46	3.90	3.49	1.30
28	2.01	2.13	1.75	1.47	1.20
29	3.21	3.42	2.77	2.29	1.86
30	1.99	2.11	1.70	1.14	1.11

VI. APPROACH TO ANALYSIS. With the basic models in hand, the analysis proceeded along the path of evaluating the effects of changes in each of the retirement characteristics on the Service force structures. Each policy change was evaluated against the current retirement system and the associated seven-year average base case force structure. As noted earlier, the seven-year average force structure represents a nominally smaller career force structure.

A. RETIREMENT CHARACTERISTICS EVALUATED. Beginning with the seven-year average base case as a reference point, policy changes were evaluated using the ACOL model to predict the changes in the force structure due to the change in retirement policy. Initially, each type of policy change was separately evaluated over a range of options. The types of policy changes evaluated include:

1. Analysis of the change to computing the retirement benefit on the basis of high 3-years' basic (HI-3) pay;

2. Modification of the multiplier (current system is .025 per years of service, maximum at 30 of 75%);

3. Decrement to the pre-30 YOS multiplier (a decrement vector by YOS was used to adjust defined benefit levels, current system has all zero);

4. Analysis of cost-of-living adjustment (COLA) for a specified inflation factor (current system provides 100% COLA with an inflation factor of 5%);

5. Evaluation of vesting by YOS (current system is 20 YOS) and deferred annuity age (current system is 38 for enlisted, 42 for officers);

6. Analysis of the impact of integration with social security (current system does not have a social security offset applied to the retirement benefit); and

7. Analysis of the effects of providing for an EARLY WITHDRAWAL of deferred retirement annuities.

Once sensitivity of the force structure to these types of changes was observed, alternative combinations of selected options were then evaluated. All of the above retirement characteristics may be examined in combination as well as individually to evaluate alternative retirement systems such as: dual-track systems, which include early vesting with deferred annuities; reduced multiplier and COLA capped, with and without allowance for EARLY WITHDRAWAL; or pre-30 YOS decremented retirement benefit with EARLY WITHDRAWAL and a social security offset against the retirement benefit at age 62 or 65.

B. SELECTED MODEL RESULTS. Model results are provided for six scenarios using the modified multiplier option. The volume of data and model output products associated with analysis of all the options is too great to publish here. A repository of hard copy and computerized data sets is being established within the Defense Manpower Data Center. To provide an understanding of how the Service force structures respond to alternative policy options, only model results associated with the modified multiplier option are presented. Six scenarios were evaluated using the modified multiplier option in combination with the the September 1980 change in law to use HI-3 averaging as the basis for computing the retirement benefit. Basing the retirement benefits on the HI-3 averaging only affects members who entered service after September 7, 1980. Thus, retirement will be calculated on the last three-years' average basic pay rather than the basic pay for the highest grade in which a member has served. Table I-19 describes the retirement benefit level as a percent of basic pay for Scenarios 2 through 5 below.

Table I-19
Retirement Benefit Level as Percent of Basic Pay
Modified Multiplier Options

		Multiplier Reduction Percentage				
YOS	Current System	10%	20%	30%	40%	50%
20	50.0	45.00	40.00	35.00	30.00	25.00
21	52.5	47.25	42.00	36.75	31.50	26.25
22	55.0	49.50	44.00	38.50	33.00	27.50
23	52.5	51.75	46.00	40.25	34.50	28.75
24	80.0	53.00	48.00	42.00	36.00	30.00
25	62.5	56.25	50.00	43.75	37.50	31.25
26	65.0	58.50	52.00	45.50	39.00	32.50
27	67.5	60.75	54.00	47.25	40.50	33.75
28	70.0	63.00	56.00	49.00	42.00	35.00
29	72.5	65.25	58.00	50.75	43.50	36.50
30	75.0	67.50	60.00	52.50	45.00	37.50

The ACOL results are presented by Service in Tables I-20 through I-67 for the enlisted force structures and Tables I-68 through I-115 for the officer force structures, following the main body of this appendix. Except those showing the income streams, the column headings refer to the base case and the scenario numbers as follows:

Scenario 1: HI-3 Average
Scenario 2: 10% reduction in the multiplier
Scenario 3: 20% reduction in the multiplier
Scenario 4: 30% reduction in the mulitplier
Scenario 5: 40% reduction in the multiplier
Scenario 6: 50% reduction in the multiplier
Scenario 7: 100% reduction in the multiplier

Tables I-20 through I-31 refer to the Army enlisted force structure; Tables I-32 through I-42 refer to the Navy enlisted force structure; Tables I-44 through I-55 refer to the Marine Corps enlisted force structures; and Tables I-56 through I-67 refer to the Air Force structure. The order of the tables for each Service are:

1. Military and Civilian Income Streams
2. Annualized Cost of Leaving
3. Pay Component of the Annualized Cost of Leaving
4. Retirement Component of the Annualized Cost of Leaving
5. Force Table
6. Reenlistment Rates (enlisted members within 12 months of ETS)
7. Continuation rates (enlisted members within 12 months of ETS, officers with no prior service)
8. Survival Rates
9. Present Value Gap
10. Strengths by Grade and Year of Service (Scenarios 1 and 4 only)
11. Cost Summary

The income streams display the Service pay and civilian incomes (CIVW) by age and corresponding year of service -- the income streams, except for retirement annuity benefits, are the same for each scenario evaluated in the remaining tables. Again, Scenario 1 represents the change in retirement computation from the current system to the HI-3 average. Scenarios 2 through 6 represent 10% through 50% reductions in the multiplier, with Scenario 7 representing a 100% reduction in the multiplier (i.e., elimination of the retirement system). The ACOL tables reflect the reductions in computing the retirement benefit. The ACOL values, made up of the two components, pay and retirement, are shown in each of the respective tables. The force table reflects the new force structure under each scenario.

Note how the force strength at 20 YOS declines as the corresponding ACOL value declines. Note also how the required accession level increases as the value of retirement, and therefore the ACOL value, declines across scenarios. Because fewer people are retained to 20 YOS, the accession levels must increase to sustain the constant force size required for each Service as the value of retirement is reduced. The model was constrained to sustain FY82 force levels under all policy options evaluated. The model does not imply that the required accession levels could be obtained by the Services.

In using the ACOL model, the continuation rates respond to changes in the level of the ACOL values through the effects of changes in the reenlistment rates for enlisted members within 12 months of ETS. For the officer model, the continuation rates respond to changes in the level of the ACOL values through the effects of changes in the NPS retention rates. Tables I-68 through I-79 refer to the Army officer force structure; Tables I-80 through I-91 refer to the Navy officer force

structure; Table I-92 through I-103 refer to the Marine Corps officer for structure; and Tables I-104 through I-115 refer to the Air Force officer force structure. For both the officer and enlisted structures, the continuation rates observed by YOS are sequentially multiplied across YOS to obtain the expected survival rates to each YOS. Mathematically we have:

$$(10)\quad SURVIVAL_t = CONT_0 * CONT_1 * CONT_2 * \ldots * CONT_t \ .$$

The survival rates represent the strength remaining in a given YOS as a percentage of those who entered the Service. Summation of the survival rates yields the Expected Service Life (ESL) of the force. That is:

$$(11)\quad ESL_T = \sum_{t=1}^{T} SURVIVAL_t = \sum_{t=1}^{T} \frac{STRN_t}{STRN_1} \ .$$

By using the predicted retention rates from equation (6) and information on the retention rates for personnel not at ETS (for prior service personnel in the officer model), along with the percent of personnel who are at ETS (% NPS in the officer model), the continuation rates may be obtained as shown earlier in equation (7).

Given the continuation rates from equation (7), survival rates are then computed in accordance with equation (10) and summed to yield the ESL in equation (11). Recognizing the numerator in equation (11) is total force strength, the ESL is seen to be total force strength ($STRN_t$) divided by the accession level ($STRN_1$). Equation (11) may then be rewritten to solve for a steady-state accession level as both FY82 end strength and ESL are known. Hence we have:

$$(12)\quad STRN_1 = \frac{\text{FY82 End Strength}}{ESL_T} \ ,$$

where $STRN_1$ represents the steady-state acession level required to sustain the force under the associated scenario.

The process of predicting retention behavior is based on the assumption that individuals deciding to remain or leave service have some idea as to the present value of Service versus civilian employment at each stage of their career. The ACOL model uses a set of discount rates to compute the present value of both the Service and the alternative civilian future income streams. The key assumption in the model is that both individuals who leave, as well as those who stay, choose the income path which yields the maximum present value of future earnings, subject to Service needs and the individual's preference for Service versus civilian life styles. The difference in the present value of the Service versus civilian income stream is then computed. In the present value gap tables, the difference between the present value of Service

and civilian income streams is shown for the base case. For Scenario 1, representing the HI-3 average and the modified multiplier scenarios, the reduction from the base case present value is provided. One can see the reduction in present value of future Service earnings resulting from each modified multiplier option in the present value gap tables. The reduction in present value will also track directly to the reduction in reenlistment rates observed in the reenlistment rate tables. It is the reduction in present value at a given YOS which must be offset to raise the reenlistment rates back to their original level, and thereby obtain a force structure consistent with the base case force structure. But as previously indicated in Figures I-2 through I-9, the base case seven-year average force structure generally represents a nominally smaller career force than either the Service current objective or baseline force structures. Hence, somewhat larger offsets than the present value gaps indicated in the table may be necessary to obtain the current objective or baseline force structures.

With each new force structure projected by the model, a strength table by grade and YOS is developed. Examples of the strength tables for the HI-3 average (Scenario 1) and the 30% multiplier reduction (Scenario 4) are provided for illustrative purposes. In the strength tables, losses by YOS along with the loss rate, continuation rate and survival rate, are provided. The total strength by grade, the percentage of the force in each grade, and the FY82 manpower grade ceilings are provided at the bottom of each strength table. Each strength table by grade and YOS becomes an input to the force structure flow model which links the ACOL projected force to the Defense Manpower Static Model (DMSM) and to the DoD Actuarial Retirement Model (GORGO) maintained by the Office of the Actuary at the Defense Manpower Data Center. As shown earlier in Figure I-1, GORGO is used to produce aggregate entry-age normal cost projections and budget outlay projections for each retirement plan evaluated.

Finally, the cost summary from the ACOL model represents the steadystate cost for each retirement alternative which, under idealized conditions, would evolve at some time in the future. It does not represent a budget costing of the current retirement system; the DMSM was used to develop budget cost estimates.

C. TRANSITION. To evaluate the effect of transitioning from the current retirement system to an alternative system, a transition capability was designed into the ACOL model. This process involved using FY82 continuation rates to age the FY82 force two years for each Service in order to estimate FY84 strengths by YOS. These FY84 strength force profiles were then aged in the ACOL model using continuation rates related to alternative retirement compensation assumptions. For each fiscal year into the future, end strengths were set at the FY82 constrained level, new strengths by YOS were computed by multiplying the previous fiscal year strengths in each YOS by the applicable YOS continuation rate. The new accession level was obtained by subtracting the new

strengths for YOS 2 through 35 from the controlled FY82 end strength. In equation form, the accession levels, or strength in YOS one, for each new fiscal year was calculated as:

$$(13)\quad STRN_1 = \text{End strength} - \sum_{t=2}^{35} \left(STRN_t * CONT_t\right).$$

The appropriate continuation-rate set applied in each fiscal year during the transition was obtained by splicing two separate sets of continuation rates at the YOS selected for grandfathering. For example, if the retirement alternative being evaluated grandfathered all members on active duty with 12 or more YOS, then the ACOL continuation rates for the new system would apply to all members in YOS 12 and under. The grandfathered historical seven-year average rates would apply to all members in YOS 13 and over in FY84. Furthermore, as the FY84 strengths aged into the future, the grandfather point was also aged one year at a time so that the appropriate continuation rates would apply to the grandfathered portion of the force in each future fiscal year. In addition to using the historical unadjusted seven-year average continuation rates for the portion of the force grandfathered during transition to a new retirement system, the seven-year average continuation rates could be adjusted to reflect the influence that not grandfathering any COLA caps might have. Tables I-116 through I-123 show the continuation rate structures for transitioning each Service's officer and enlisted force structures to a retirement alternative, such as 75% COLA to age 62 with a 3% pre-30 YOS retirement benefit reduction and EARLY WITHDRAWAL provisions. The continuation rates for FY84 in these tables assume those members grandfathered for the purposes of the new retirement system are not grandfathered for the 75% COLA provision. The EARLY WITHDRAWAL provisions were 200% of basic pay at the 20th YOS for officers and 300% of basic pay at the 20th YOS for enlisted members. As can be seen from each table, the grandfathered continuation pattern marches down the diagonal to the right beginning at the 13th YOS. The resulting force structures corresponding to Tables I-116 through I-123 are provided in Tables I-124 through I-131 following the main body of this appendix. Note that YOS 1 strengths are the same as the FY84 strengths and YOS 2 represents the first transition year. Also, note how the accession level performs a random walk during the transition and begins to stabilize after about 20 years of maintaining a constant end strength. As shown in Section XI.E., Volume I, the majority of the fluctuation in accession levels is due to causes other than transition to the alternative retirement system. Past personnel management policies and end strength fluctuations appear to be the main causes of these fluctuations in the accession levels. It should also be noted that because end strengths were controlled at FY82 levels, the resulting accession levels will not correspond to the Service Program Objective Memorandum (POM) submissions. Because the model has the capability to set future force strengths at desired levels, POM or other

dynamic strength transition assumptions could also be evaluated. The model has the capability to transition to any set of strength projections for up to 81 years into the future.

VII. LIMITATIONS OF THE ACOL MODEL.

A. PREVIOUS CRITICISMS. The ACOL model, as is true of any model, is a tool which may be used to help management make informed judgements. The ACOL model cannot, and will not, produce predicitions in lieu of management decisions. In the past, the ACOL model has been critized from three perspectives. The first criticism relates to the uncertainty of future income streams, the second addresses random events other than those associated with the uncertainty of income streams, and the third addresses shifts in the tastes and preferences of a new cohort entering under a new retirement system.

1. Uncertainty of Future Income Streams. The first criticism is based on the fact that future Service and civilian income streams in ACOL are assumed to be known with certainty. If the income streams were known with certainty, an individual's time horizon for staying in the Service would also be known with certainty. In reality, future income streams are generally not known with certianty. However, as can be seen by comparing the retirement and pay components of the ACOL values, the retirement component is positive and monotonically increasing over the course of a career up to the point of retirement eligibility. Alternatively, the pay component is positive for the officer force and, at times, negative for the enlisted force but relatively flat. This implies that the uncertainty of changes in the differential between Service and civilian income streams serves to change the level of the ACOL values and therefore, the level of the corresponding pattern of continuation rates. That is, when Service pay falls behind the level of civilian compensation, as occurred in 1979, continuation rates drop. When Service pay catches up, as in 1981, continuation rates improve. Independent of the level of the pay differential, the period of service required for retirement eligibility has historically been known with certainty, i.e., 20 years of creditable service. This ACOL model limitation pertaining to Service and civilian income differentials serves as a reminder that retired pay cannot overcome degraded compensation. Compensation policy will need to continue to strive toward the objective of keeping the gap between Service and civilian income streams relatively narrow. Further support for this observation is contained in Section XI.B., Volume I.

2. Random Events. The second criticism is that ACOL is insensitive to random events, other than those associated with the uncertainty of the income streams, and that those may induce members to leave. This arguement suggests that if members are aware of the probabilities with which such random events will occur, they will incorporate these probabilities into their costs of leaving calculations. While no model can purport to capture all the uncertainty associated with random events, this criticism is partially addressed by use of the tapered discount rates applied in the Fifth QRMC version of the ACOL model. The tapered

discount rates allow members deciding to stay or leave the Service to adjust their future discount rates based on knowledge of how their predecessors responded to personnel management decisions concerning entry age, training, permanent-change-of-station move activity, leave policy, medical nonavailability and experience requirements. While the tapered rates capture the influence of a significant range of personnel policies, they were based on observed behavior of Air Force enlisted personnel. Further research needs to be conducted in this area to bring the full range of personnel management policies to bear on the retention decisions of members in all the Uniformed Services.

3. Preference Shifts. The third criticism is that people who enter and remain in the Service do so, on average, because they have a "taste" or preference for the particular structure of incentives offered by the system. These tastes or preferences will, in general, differ from those of the population at large. The taste distribution, so to speak, of those who remain of a given entry cohort at each YOS will be a function not only of the incentives they currently face but of the incentives faced by that cohort of individuals at each YOS as it moves through the personnel system, with some members choosing to leave each year. Hence, the distribution of perferences within a given cohort will change systematically by YOS as those who tend to have a relatively greater preference for the incentives offered tend to remain, while those who do not tend to leave. Moreover, the taste distribution of those who remain of any two entry cohorts will differ at any given YOS based upon the differences in the financial incentives those cohorts faced as they moved through the system.

This notion that the "taste" distribution of those who remain in the Service varies systematically with the incentives they face may also affect the average values of various parameters. For example, one would expect the discount rate of a member picked at random from the cohort of members with 19 YOS under the current system to be lower than that picked from the cohort at YOS 19 under an alternative that eliminated the retirement system. Put differently, the marginal rate of substitution between small changes in current and deferred income for servicemembers will differ, in the long run, depending upon the structure of incentives provided by the system. The pessimistic conclusion is that we can only guess how these, and other personnel characteristics will change in response to a radical change in the system, because we do not have sufficient information to fully specify our analytical models. While this issue is of concern, the study at Attachment 5, Determinants of Military Retention (13), indicates that for measurable taste variables, selectivity does not appear to have biasing implications for Service retention analysis.

Finally, this line of argument highlights the point that, if the change in the system is not fully grandfathered, the retention rates observed during the transition period will differ from the rates under the original structure of the system; but, they will also differ from the new steady-state rates.

B. PROBLEMS OF APPLICATION. In addition to the previous theoretical criticisms of the ACOL model several problems of an applied nature arose during its use.

1. Assumption of Constant Reactions. First, as discussed earlier, is the assumption that the reactions of prior service officers and enlisted personnel not ETS remain constant. This assumption may be expected to result in an upward bias in the continuation rates when Service compensation declines. The extent to which the expected drop in retention rates for the prior service officers and enlisted personnel not at ETS could be offset by changing personnel management policies related to training, tour lengths and enlistment periods, and thereby change the fractions of prior service officers and enlisted personnel not at ETS is not known.

2. Development of Steady-State Rates. Second, because the ACOL model calculates the response of retention rates at each YOS to a change in the retirement system using the retention rate observed under the current system as a base, difficulty results when attempting to infer the new "steady-state" rates. For example, consider the hypothetical experiment of eliminating the retirement system entirely. The ACOL model would produce a YOS-19 retention rate close to zero. This would, in fact, be a reasonable prediction for the retention rate in the year of an unanticipated and ungrandfathered elimination of the retirement system. However, in the long run, the YOS-19 rate would be much different. Those in YOS 10, say, would take into account the loss of the retirement system; for those who decided to remain (and there would surely be many fewer than currently) the retention rate from 19 to 20 YOS would be quite high, much higher than ACOL would predict based upon the current methods. Furthermore, management would react by changing personnel and compensation policies to retain the necessary levels of experience in the force.

Similar differences between the short-run (ungrandfathered) retention rates and the steady-state rates resulting from a radical change in incentives would occur at other YOS. However, the differences are probably greatest as one approaches the vesting point of the current system -- 16 to 19 YOS. Relatively minor differences would be observed, for example, at the first-term reenlistment point. For this reason, the 16- to 19-YOS rates are adjusted, to an extent, outside of a strict application of the model.

Alternatively, consider the case of moving the vesting point of the retirement system from YOS 20 to 22, 24 or 30. Because historical retention patterns have not been observed for a retirement system with an extended vesting policy, the ACOL model cannot be calibrated in a manner consistent with the extended vesting policy. Two alternative approaches to this problem were taken. First, using the historical seven-year average continuation patterns, the number of years of service for retirement eligibility were extended, the values were adjusted, and a new pattern of continuation rates was observed. Under these conditions,

the size of the career force increased marginally for vesting at 22 or 24 and then decreased marginally for vesting at 26 through 30 YOS. For each of these extended eligibility vesting options, the size of the force over-20 YOS increased significantly above the base case, as shown in Section XI.C., Volume 1.

The second alternative approach to extend vesting assumed the peak retention rates would be observed in the YOS immediately preceeding the first year of vesting. The historical retention rates were shifted to correspond to the appropriate vesting option. For example, to evaluate vesting after 22 YOS, the seven-year average retention rates for members in their 20th YOS were shifted to YOS 22. Similarly, seven-year average retention rates for YOS 6 through 19 were shifted to YOS 8 through 21. The retention rates for the first 5 YOS were left unchanged. To fill the gap between YOS 5 and 8, the seven-year average retention rate for YOS 5 was duplicated into YOS 6, while the historical retention rate for YOS 6 was duplicated into YOS 7. This retention rate shift-and-gap-splicing procedure was used for each of the extended vesting options analyzed. Retention rates after the 20th YOS were also shifted two years of service with those pushed beyond YOS 35 being dropped. Under this alternative set of retention assumptions, the size of the career force declined significantly and accession levels increased with each extention in retirement eligibility.

3. Lateral Accessions. Due to the nature of the warrant officer force structure which provides for a majority of new entrants through lateral accessions from prior enlisted service, consistent continuation rates to satisfy the closed steady-state structure of the ACOL model could not be developed.

4. Data Limitations. Due to the small force size of both the National Oceanic and Atmospheric Administration and the Public Health Service, consistent retention rate data to support the requirement of the ACOL model could not be obtained. Finally, the ACOL model could not initially be applied to the Coast Guard force due to data limitations. However, by using some assumptions concerning the similarity of Coast Guard and Navy operations and through judical application of policy related to Special and Incentive pays, a version of the ACOL model was developed for the Cost Guard. Results of the ACOL model analysis of the Coast Guard force reponse to selected changes in retirement policy are provided in Attachment 2.

Table I-20
Army Enlisted Military Versus Civilian Income Streams

* * * * * * INCOME STREAMS: MILITARY PAY * * * * * *

SCENARIO NO. 0 0 : BASECASE

AGE	(LOS)	BASE	BAS	VHA	BAQ	SIPAY	TAXES	IPONUS	MILPAY	ANNUITY	CIVW
18	1	7711	1643	135	1869	1157	871	0	13387	0	12476
19	2	7908	1643	135	1985	470	926	0	13806	0	13197
20	3	8576	1643	141	2144	130	981	0	13615	0	13934
21	4	9380	1643	181	2382	529	1037	0	15132	0	14605
22	5	10239	1643	224	2663	551	1097	0	16417	0	15449
23	6	10372	1643	249	2819	263	1126	0	16471	0	16223
24	7	11185	1643	259	2920	426	1143	0	17495	0	17065
25	8	11487	1643	275	3044	695	1190	0	18252	0	17792
26	9	12131	1643	298	3145	600	1238	0	19046	0	18581
27	10	12299	1643	298	3217	683	1263	0	19403	0	19370
28	11	13040	1643	318	3303	739	1301	0	20343	0	20158
29	12	13276	1643	339	3353	385	1337	0	20334	0	20935
30	13	14096	1643	360	3401	399	1373	0	21272	0	21705
31	14	14421	1643	394	3475	382	1430	0	21745	0	22167
32	15	15147	1643	411	3519	341	1459	0	22521	0	23201
33	16	15296	1643	424	3549	320	1483	0	22715	0	23925
34	17	15853	1643	435	3577	296	1506	0	23369	0	24625
35	18	15988	1643	444	3593	320	1529	0	23517	0	25299
36	19	16581	1643	457	3610	246	1569	0	24166	0	25944
37	20	16765	1643	467	3648	237	1601	0	24361	8382	26566
38	21	17396	1643	488	3729	216	1666	0	25137	9133	27134
39	22	18314	1643	531	3854	249	1793	0	26383	10072	27674
40	23	19549	1643	542	3891	224	1858	0	27699	11241	28173
41	24	21200	1643	611	4078	187	2096	0	29816	12720	28629
42	25	21693	1643	625	4133	194	2199	0	30487	13568	29039
43	26	21935	1643	633	4173	179	2249	0	30911	14258	29401
44	27	24882	1643	657	4300	226	2379	0	34007	16795	29714
45	28	25056	1643	662	4310	212	2416	0	34299	17539	29975
46	29	25129	1643	664	4308	150	2431	0	34328	18218	30184
47	30	25129	1643	664	4353	150	2431	0	34369	18846	30338
48	31	25560	1643	676	4383	150	2523	0	34935	19178	30438
49	32	25560	1643	676	4424	150	2523	0	34976	19178	30482
50	33	25560	1643	676	4424	150	2523	0	34976	19178	30471
51	34	25560	1643	676	4424	150	2523	0	34976	19178	30405
52	35	25560	1643	676	4424	150	2523	0	34976	19178	30283
53	36	0	0	0	0	0	0	0	0	19178	30105
54	37	0	0	0	0	0	0	0	0	19178	29877
55	38	0	0	0	0	0	0	0	0	19178	29595
56	39	0	0	0	0	0	0	0	0	19178	29262
57	40	0	0	0	0	0	0	0	0	19178	28878
58	41	0	0	0	0	0	0	0	0	19178	28441
59	42	0	0	0	0	0	0	0	0	19178	27952
60	43	0	0	0	0	0	0	0	0	19178	27410
61	44	0	0	0	0	0	0	0	0	19178	26817
62	45	0	0	0	0	0	0	0	0	19178	26314
63	46	0	0	0	0	0	0	0	0	19178	25856
64	47	0	0	0	0	0	0	0	0	19178	25432
TOTALS:		599653	57499	15690	124425	11982	59565	0	868736	470652	1171414

Table I-21
Army Enlisted Annualized Cost of Leaving (ACOL)

FILE: ACOLMATE PAGE1A A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT	DATE OF RUN: 11/21/83			16:56:10 BASE YEAR: SEVEN YEAR AVG.				
SERVICE: ARMY	ENLISTED MEN			* * AGGREGATE * *				
CURRENT YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
INLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** ACOL MATRIX ***

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
2	2652	2492	2228	1979	1734	1489	1244	282
3	2930	2792	2498	2204	1915	1646	1378	367
4	3247	3147	2819	2491	2163	1835	1539	696
5	3529	3458	3092	2726	2361	1995	1642	968
6	3830	3750	3342	2933	2525	2116	1707	409
7	4263	4174	3716	3258	2800	2342	1884	490
8	4735	4635	4119	3604	3089	2574	2058	463
9	5293	5180	4597	4015	3432	2850	2267	465
10	5958	5829	5166	4503	3840	3178	2515	216
11	6824	6676	5916	5157	4397	3637	2878	232
12	7863	7692	6814	5935	5057	4178	3299	236
13	9306	9106	8078	7049	6021	4993	3964	313
14	11139	10902	9680	8458	7236	6014	4792	382
15	13656	13368	11887	10405	8924	7443	5961	485
16	17184	16825	14979	13133	11287	9442	7596	597
17	22656	22190	19795	17400	15006	12611	10216	775
18	31841	31196	27884	24571	21259	17946	14634	985
19	50514	49512	44359	39207	34055	28903	23751	1272
20	106687	104609	93929	83248	72568	61887	51207	1604
21	6748	5557	4801	4046	3291	2535	2250	2025
22	9727	7213	6363	5513	4662	3812	2967	2488
23	13166	10719	9600	8481	7361	6242	5123	2942
24	16098	14954	13578	12201	10824	9448	8071	3374
25	18199	14754	13423	12092	10762	9431	8101	3667
26	14066	12078	11011	9944	8877	7810	6743	3984
27	32911	18819	17374	15930	14485	13040	11596	4380
28	18628	18132	16751	15370	13989	12608	11228	4381
29	9353	17618	16271	14923	13575	12228	10880	4392
30	8145	8847	8365	7884	7402	6921	6439	4445
31	4807	2553	2747	2942	3136	3331	3525	4546
32	976	2227	2453	2680	2907	3133	3360	4560
33	949	2168	2395	2629	2863	3098	3332	4585
34	989	989	1347	1705	2064	2422	2780	4630
35	1097	1097	1457	1816	2176	2535	2895	4693

Table I--22
Army Enlisted Pay Component of ACOL

FILE: ACOLMATE PAGE2A A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:56:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
INLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** ACOL PAY COMPONENT ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
2	-84	-149	-149	19	19	19	19	282
3	-79	-151	-151	-151	34	34	34	367
4	-55	-132	-132	-132	-132	-132	67	696
5	-198	-198	-198	-198	-198	-198	31	960
6	-335	-335	-335	-335	-335	-335	-335	409
7	-406	-406	-406	-406	-406	-406	-406	490
8	-518	-518	-518	-518	-518	-518	-518	463
9	-646	-646	-646	-646	-646	-646	-646	465
10	-799	-799	-799	-799	-799	-799	-799	216
11	-920	-920	-920	-920	-920	-920	-920	232
12	-1094	-1094	-1094	-1094	-1094	-1094	-1094	236
13	-1178	-1178	-1178	-1178	-1176	-1178	-1178	313
14	-1318	-1318	-1318	-1318	-1318	-1318	-1318	382
15	-1445	-1445	-1445	-1445	-1445	-1445	-1445	485
16	-1633	-1633	-1633	-1633	-1633	-1633	-1633	597
17	-1759	-1759	-1759	-1759	-1759	-1759	-1759	775
18	-1928	-1928	-1928	-1928	-1928	-1928	-1928	985
19	-2010	-2010	-2010	-2010	-2010	-2010	-2010	1272
20	-2196	-2196	-2196	-2196	-2196	-2196	-2196	1604
21	-1997	-1997	-1997	-1997	-1997	-1997	1067	2025
22	-1291	-1291	-1291	-1291	-1291	-1291	1582	2488
23	-474	-474	-474	-474	-474	-474	-474	2942
24	1188	1188	1188	1188	1188	1188	1188	3374
25	1448	1448	1448	1448	1448	1448	1448	3667
26	2841	1409	1409	1409	1409	1409	1409	3984
27	4373	4373	4373	4373	4373	4373	4373	4380
28	4324	4324	4324	4324	4324	4324	4324	4381
29	4142	4142	4142	4142	4142	4142	4142	4392
30	4031	4031	4031	4031	4031	4031	4031	4445
31	4497	4497	4497	4497	4497	4497	4497	4546
32	4493	4493	4493	4493	4493	4493	4493	4560
33	4505	4505	4505	4505	4505	4505	4505	4585
34	4571	4571	4571	4571	4571	4571	4571	4630
35	4693	4693	4693	4693	4693	4693	4693	4693

Table I-23
Army Enlisted Retirement Component of ACOL

FILE: ACOIMATF PACF3A A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOI OUTPUT DATE OF RUN: 11/21/83 16:56:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

=== ACOL RETIREMENT COMPONENT ===

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
2	2736	2641	2377	1960	1715	1470	1225	0
3	3008	2943	2649	2354	1882	1613	1344	0
4	3303	3278	2950	2623	2295	1967	1472	0
5	3727	3656	3290	2925	2559	2193	1610	0
6	4165	4086	3677	3268	2860	2451	2043	0
7	4669	4579	4122	3664	3206	2748	2290	0
8	5253	5153	4637	4122	3607	3092	2576	0
9	5939	5826	5243	4660	4078	3495	2913	0
10	6756	6627	5965	5302	4639	3976	3314	0
11	7744	7596	6836	6077	5317	4558	3798	0
12	8957	8786	7908	7029	6150	5272	4393	0
13	10484	10284	9255	8227	7199	6170	5142	0
14	12457	12219	10998	9776	8554	7332	6110	0
15	15101	14813	13332	11851	10369	8888	7407	0
16	18817	18458	16612	14766	12920	11075	9229	0
17	24415	23949	21554	19159	16764	14369	11974	0
18	33769	33125	29812	26500	23187	19875	16562	0
19	52524	51522	46370	41218	36065	30913	25761	0
20	108883	106805	96125	85444	74764	64083	53403	0
21	8737	7554	6798	6043	5288	4532	1103	0
22	11018	8504	7654	6803	5953	5102	1385	0
23	13640	11194	10074	8955	7836	6716	5597	0
24	16903	13767	12390	11013	9637	8260	6883	0
25	0751	13306	11975	10645	9314	7983	6653	0
26	11225	10668	9602	8535	7468	6401	5334	0
27	28538	14446	13002	11557	10112	8668	7223	0
28	6305	13868	12427	11046	9666	8285	6904	0
29	5211	13476	12129	10781	9434	8086	6738	0
30	4114	4816	4335	3853	3371	2890	2408	0
31	310	-1944	-1749	-1555	-1361	-1166	-972	0
32	-3517	-2267	-2040	-1813	-1587	-1360	-1133	0
33	-3556	-2344	-2110	-1876	-1641	-1407	-1172	0
34	-3582	-3582	-3224	-2866	-2508	-2149	-1791	0
35	-3596	-3596	-3237	-2877	-2517	-2158	-1798	0

Table I-24
Army Enlisted Force Structures

FILE: ACOLMATE PAGF4A A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:56:16 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY ENLISTED MEN 10 * * AGGREGATE * *

CURRENT								
YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** FORCE TABLE ***

CASE NO. :	BASE	1	2	3	4	5	6	7
YEAR OF SERVICE								
1	135220	136652	140421	144104	147700	151205	154484	164142
2	112681	113899	117038	120105	123099	126018	128748	136786
3	94065	95135	97691	100196	102640	105023	107249	113759
4	48786	49187	49863	50491	51073	51611	52122	53614
5	34841	35095	35324	35517	35677	35806	35925	36507
6	30690	30911	31034	31124	31185	31219	31244	31504
7	25683	25851	25801	25723	25619	25494	25363	25118
8	21543	21661	21465	21245	21006	20751	20493	19843
9	18305	18378	18064	17730	17382	17024	16668	15713
10	16215	16261	15867	15458	15038	14611	14189	12994
11	14814	14840	14391	13928	13457	12982	12513	11151
12	13715	13724	13226	12715	12196	11676	11165	9654
13	12794	12786	12235	11670	11098	10527	9966	8286
14	12115	12094	11500	10890	10274	9659	9057	7243
15	11629	11569	10967	10317	9657	8998	8353	6389
16	11258	11219	10552	9862	9157	8449	7754	5838
17	10991	10946	10245	9520	8770	8013	7271	5035
18	10628	10781	10076	9331	8554	7758	6963	4513
19	10728	10681	9981	9238	8460	7654	6833	4012
20	10615	10568	9875	9141	8371	7573	6760	3517
21	5854	5324	4673	4048	3456	2905	2520	1281
22	3750	2889	2375	1918	1519	1179	941	455
23	2722	1858	1420	1062	773	546	394	153
24	2044	1193	840	570	372	233	147	33
25	1575	1044	714	468	292	174	104	18
26	1304	811	533	333	197	111	62	9
27	977	589	361	208	112	56	28	2
28	668	518	308	171	88	42	20	1
29	513	480	288	152	77	36	16	0
30	370	357	204	109	53	24	10	0
31	59	42	25	13	7	3	1	0
32	10	8	5	3	1	1	0	0
33	2	2	1	1	0	0	0	0
34	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0
TTL ENLSTRENGTH	677362	677362	677362	677362	677362	677362	677362	677362
EXP. SERV. LIFE	5	5	5	5	5	4	4	4

Table I-25
Army Enlisted Reenlistment Rates

FILE: ACCLMATE PACESA A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:56:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY ENLISTED MEN 10 * * AGGREGATE * *

CURRENT YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

--- REENLISTMENT RATES ---

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.396	.389	.379	.370	.361	.352	.343	.308
3	.217	.213	.205	.197	.190	.183	.177	.154
4	.285	.282	.272	.261	.251	.241	.233	.209
5	.359	.357	.343	.330	.317	.304	.292	.270
6	.502	.499	.483	.466	.450	.433	.417	.367
7	.529	.525	.507	.488	.470	.451	.433	.379
8	.550	.546	.525	.504	.483	.463	.442	.379
9	.592	.588	.565	.541	.518	.494	.471	.399
10	.669	.664	.640	.615	.589	.563	.536	.444
11	.732	.727	.702	.675	.648	.619	.590	.484
12	.770	.765	.738	.710	.680	.648	.615	.493
13	.807	.802	.774	.744	.711	.676	.638	.494
14	.834	.829	.799	.765	.727	.686	.642	.468
15	.881	.876	.847	.813	.774	.730	.680	.466
16	.909	.904	.874	.837	.793	.739	.678	.403
17	.919	.913	.877	.828	.766	.690	.601	.246
18	.988	.978	.963	.939	.900	.841	.755	.253
19	.999	.999	.997	.994	.986	.969	.931	.261
20	1.000	1.000	1.000	1.000	1.000	1.000	.999	.272
21	.552	.504	.473	.443	.413	.384	.373	.364
22	.641	.543	.508	.474	.440	.406	.373	.355
23	.726	.641	.598	.554	.508	.463	.419	.336
24	.751	.644	.592	.537	.481	.426	.373	.217
25	.770	.875	.850	.820	.786	.748	.705	.538
26	.828	.777	.746	.712	.675	.636	.595	.485
27	.963	.726	.677	.624	.568	.509	.451	.203
28	.684	.879	.854	.823	.789	.749	.705	.440
29	.768	.927	.910	.891	.868	.841	.809	.597
30	.721	.743	.728	.717	.696	.679	.662	.586
31	.161	.117	.121	.124	.128	.131	.135	.155
32	.161	.190	.196	.202	.208	.214	.220	.255
33	.161	.189	.195	.201	.207	.214	.220	.257
34	.161	.161	.169	.177	.186	.195	.204	.257
35	.161	.161	.169	.177	.186	.195	.204	.255

Table I-26
Army Enlisted Continuation Rates

FILE: ACOLMATE PAGEGA A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOI OUTPUT DATE OF RUN: 11/21/83 16:56:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

=== CONTINUATION RATES ===

CASE NO. :	BASE	1	2	3	4	5	6	7
YEAR OF SERVICE								
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.833	.834	.833	.833	.833	.833	.833	.833
3	.835	.835	.835	.834	.834	.833	.833	.832
4	.519	.517	.510	.504	.498	.491	.486	.471
5	.714	.713	.708	.703	.699	.694	.689	.681
6	.881	.881	.879	.876	.874	.872	.870	.863
7	.837	.836	.831	.826	.822	.817	.812	.797
8	.839	.838	.832	.826	.820	.814	.808	.790
9	.850	.848	.842	.835	.827	.820	.813	.792
10	.886	.885	.878	.872	.865	.858	.851	.827
11	.914	.913	.907	.901	.895	.888	.882	.858
12	.926	.925	.919	.913	.906	.899	.892	.866
13	.933	.932	.925	.918	.910	.902	.893	.858
14	.947	.946	.940	.933	.926	.918	.909	.874
15	.960	.959	.954	.947	.940	.932	.922	.882
16	.968	.967	.962	.956	.948	.939	.928	.881
17	.976	.976	.971	.965	.958	.948	.938	.894
18	.985	.985	.983	.980	.975	.968	.958	.896
19	.991	.991	.991	.990	.989	.987	.981	.889
20	.989	.989	.989	.989	.989	.989	.989	.877
21	.552	.504	.473	.443	.413	.384	.373	.364
22	.641	.543	.508	.474	.440	.406	.373	.355
23	.726	.641	.598	.554	.508	.463	.419	.336
24	.751	.644	.592	.537	.481	.426	.373	.217
25	.770	.875	.850	.820	.786	.748	.705	.538
26	.828	.777	.746	.712	.675	.636	.595	.485
27	.749	.726	.677	.624	.568	.509	.451	.283
28	.884	.879	.854	.823	.789	.749	.705	.440
29	.768	.927	.810	.891	.868	.841	.809	.597
30	.721	.743	.728	.712	.696	.679	.662	.586
31	.161	.117	.121	.124	.128	.131	.135	.155
32	.161	.190	.196	.202	.208	.214	.220	.255
33	.161	.189	.195	.201	.207	.214	.220	.257
34	.161	.161	.169	.177	.186	.195	.204	.257
35	.161	.161	.169	.177	.186	.195	.204	.255

Table I-27
Army Enlisted Survival Rates

FILE: ACOLMATE PAGE7A A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:56:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DFGREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** SURVIVAL RATES ***

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.833	.834	.833	.833	.833	.833	.833	.833
3	.696	.696	.696	.695	.695	.695	.694	.693
4	.351	.360	.355	.350	.346	.341	.337	.327
5	.258	.257	.252	.246	.242	.237	.233	.222
6	.227	.226	.221	.216	.211	.206	.202	.192
7	.190	.189	.184	.179	.173	.169	.164	.153
8	.159	.159	.153	.147	.142	.137	.133	.121
9	.135	.134	.129	.123	.118	.113	.108	.096
10	.120	.119	.113	.107	.102	.097	.092	.079
11	.110	.109	.102	.097	.091	.086	.081	.068
12	.101	.100	.094	.088	.083	.077	.072	.059
13	.095	.094	.087	.081	.075	.070	.065	.050
14	.090	.089	.082	.076	.070	.064	.059	.044
15	.086	.085	.078	.072	.065	.060	.054	.039
16	.083	.082	.075	.068	.062	.056	.050	.034
17	.081	.080	.073	.066	.059	.053	.047	.031
18	.080	.079	.072	.065	.058	.051	.045	.027
19	.079	.078	.071	.064	.057	.051	.044	.024
20	.079	.077	.070	.063	.057	.050	.044	.021
21	.043	.039	.033	.028	.023	.019	.016	.008
22	.028	.021	.017	.013	.010	.008	.006	.003
23	.020	.014	.010	.007	.005	.004	.003	.001
24	.015	.009	.006	.004	.003	.002	.001	.000
25	.012	.008	.005	.003	.002	.001	.001	.000
26	.010	.006	.004	.002	.001	.001	.000	.000
27	.007	.004	.003	.001	.001	.000	.000	.000
28	.005	.004	.002	.001	.001	.000	.000	.000
29	.004	.004	.002	.001	.001	.000	.000	.000
30	.003	.003	.001	.001	.000	.000	.000	.000
31	.000	.000	.000	.000	.000	.000	.000	.000
32	.000	.000	.000	.000	.000	.000	.000	.000
33	.000	.000	.000	.000	.000	.000	.000	.000
34	.000	.000	.000	.000	.000	.000	.000	.000
35	.000	.000	.000	.000	.000	.000	.000	.000

Table I-28
Army Enlisted Present Value Gap

FILE: AE18 PVGAPA A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:56:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGE?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** 1: PRESENT VALUE GAP 2: YR PV MAX ***

CASE NO. : BASE							
YEAR OF SERVICE							
2	29249	-4982	-7553	-6891	-9659	-12427	-15194	-27597
2	25	19	19	28	28	28	28	8
3	32876	-5575	-8452	-11330	-10808	-13905	-17003	-30882
3	25	18	18	18	27	27	27	7
4	36614	-6149	-9323	-12497	-15670	-18844	-18754	-35282
4	24	17	17	17	17	17	26	2
5	33545	-676	-4151	-7627	-11102	-14577	-14479	-32577
5	16	16	16	16	16	16	25	1
6	35589	-737	-4525	-8313	-12101	-15889	-19678	-34653
6	15	15	15	15	15	15	15	4
7	38328	-801	-4916	-9030	-13154	-17272	-21389	-37839
7	14	14	14	14	14	14	14	1
8	40970	-868	-5327	-9785	-14246	-18705	-23165	-40868
8	13	13	13	13	13	13	13	2
9	43760	-937	-5753	-10569	-15386	-20202	-25018	-43295
9	12	12	12	12	12	12	12	1
10	46715	-1011	-6208	-11404	-16601	-21798	-26994	-44872
10	11	11	11	11	11	11	11	26
11	50370	-1091	-6698	-12305	-17913	-23520	-29127	-47554
11	10	10	10	10	10	10	10	25
12	53997	-1174	-7207	-13241	-19274	-25307	-31341	-51168
12	9	9	9	9	9	9	9	24
13	58747	-1263	-7755	-14247	-20739	-27231	-33723	-55057
13	8	8	8	8	8	8	8	23
14	63619	-1356	-8337	-15315	-22294	-29273	-36252	-59186
14	7	7	7	7	7	7	7	22
15	69162	-1460	-8962	-16464	-23966	-31468	-38971	-63625
15	6	6	6	6	6	6	6	21
16	74943	-1566	-9616	-17666	-25716	-33766	-41815	-68278
16	5	5	5	5	5	5	5	20
17	81789	-1682	-10328	-18973	-27619	-36264	-44910	-73321
17	4	4	4	4	4	4	4	19
18	89171	-1805	-11081	-20358	-29635	-38912	-48188	-78674
18	3	3	3	3	3	3	3	18
19	97591	-1937	-11899	-21844	-31798	-41752	-51706	-84417
19	2	2	2	2	2	2	2	17
20	106687	-2078	-12758	-23439	-34119	-44800	-55480	-90560
20	1	1	1	1	1	1	1	16
21	6746	-1163	-1938	-2694	-3449	-4205	8881	12881
21	1	1	1	1	1	1	9	15

Table I-28 (Con't)
Army Enlisted Present Value Gap

FILE: AR10 PVGAPA A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

22	9727	-2514	-3364	-4215	-5065	-5915	9156	13426
22	1	1	1	1	1	1	8	14
23	13166	-2447	-3566	-4685	-5805	-6924	-8044	13837
23	1	1	1	1	1	1	1	13
24	18090	-3136	-4513	-5889	-7266	-8643	-10019	18598
24	1	1	1	1	1	1	1	12
25	18199	4555	3224	1894	563	-768	-2098	19131
25	1	1	1	1	1	1	1	11
26	27211	-15134	-16288	-17267	-18334	-19401	-20468	2678
26	2	1	1	1	1	1	1	10
27	32911	-14892	-15537	-16981	-18426	-19870	-21315	-2437
27	1	1	1	1	1	1	1	9
28	18628	7583	6123	4742	3361	1980	599	17326
28	1	1	1	1	1	1	1	8
29	9353	8266	6918	5570	4223	2875	1527	15955
29	1	1	1	1	1	1	1	7
30	8145	782	228	-261	-743	-1225	-1706	14524
30	1	1	1	1	1	1	1	6
31	4887	-2254	-2859	-1865	-1670	-1476	-1282	15136
31	1	1	1	1	1	1	1	5
32	976	1258	1477	1784	1930	2157	2384	15551
32	1	1	1	1	1	1	1	4
33	949	1212	1446	1681	1915	2149	2384	11927
33	1	1	1	1	1	1	1	3
34	989	0	358	716	1075	1433	1791	7969
34	1	1	1	1	1	1	1	2
35	1897	0	360	719	1079	1438	1798	3596
35	1	1	1	1	1	1	1	1

Table I-29
Army Enlisted High-3 Force Grade Strengths

FILE: AE18IC HI3A A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:56:18 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY ENLISTED MEN 18 * * AGGREGATE * *
CURRENT
USAR18 ACOL WEST=20;ANU=38;MULT=.025;SI AVG=3;DEC=Y;REPAY=N;DUAL TRK=N;BETA= .022162;ENLOSS= .00;INC COLA=N

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	0	0	136652	0	0	0	0	0	0	136652	22753	.166	.834	1.000
2	0	0	66621	47079	0	0	0	0	0	113839	18774	.165	.835	.834
3	0	0	20875	69606	4644	0	0	0	0	95125	45938	.483	.517	.696
4	0	0	5483	27315	16389	0	0	0	0	49187	14092	.287	.713	.360
5	0	0	0	12566	22529	0	0	0	0	35095	4184	.119	.881	.257
6	0	0	0	5854	24329	737	0	0	0	30911	5060	.164	.836	.226
7	0	0	0	3691	19998	2170	0	0	0	25851	4190	.162	.838	.189
8	0	0	0	2346	12419	6843	53	0	0	21661	3282	.152	.848	.159
9	0	0	0	1616	6284	10487	71	0	0	18378	2117	.115	.885	.134
10	0	0	3	1276	3629	11146	210	0	0	16261	1421	.087	.913	.119
11	0	0	0	0	2618	11766	456	0	0	14840	1116	.075	.925	.109
12	0	0	0	0	2206	9663	2819	36	0	13724	936	.068	.932	.100
13	0	0	0	0	1624	7651	3455	56	0	12786	692	.054	.946	.094
14	0	0	0	0	1301	4981	5724	88	0	12094	495	.041	.959	.085
15	0	0	0	0	1161	3706	6576	155	0	11599	380	.033	.967	.085
16	0	0	0	0	1089	2856	6957	317	0	11219	273	.024	.976	.082
17	0	0	0	0	1037	2378	6861	666	12	10946	165	.015	.985	.080
18	0	0	0	0	1000	2178	6398	1196	16	10781	108	.009	.991	.079
19	0	0	0	0	991	2096	5295	2258	27	10661	113	.011	.989	.078
20	0	0	0	0	964	2033	4449	3673	49	10568	5244	.496	.504	.077
21	0	0	0	0	479	975	1477	2317	76	5324	2436	.457	.543	.039
22	0	0	0	0	0	544	479	1734	132	2889	1038	.359	.641	.021
23	0	0	0	0	0	335	246	1056	214	1852	658	.356	.644	.014
24	0	0	0	0	0	0	161	613	419	1193	149	.125	.875	.009
25	0	0	0	0	0	0	121	386	537	1044	232	.223	.777	.008
26	0	0	0	0	0	0	88	248	483	811	222	.274	.726	.006
27	0	0	0	0	0	0	0	146	443	589	71	.121	.879	.004
28	0	0	0	0	0	0	0	95	423	518	38	.073	.927	.004
29	0	0	0	0	0	0	0	76	404	480	123	.257	.743	.004
30	0	0	0	0	0	0	0	56	300	357	315	.883	.117	.003
31	0	0	0	0	0	0	0	0	42	42	34	.810	.190	.000
32	0	0	0	0	0	0	0	0	6	8	6	.811	.189	.000
33	0	0	0	0	0	0	0	0	2	2	1	.839	.161	.000
34	0	0	0	0	0	0	0	0	0	0	0	.839	.161	.000
35	0	0	0	0	0	0	0	0	0	0	0	1.000	.000	.000
TOTAL	0	0	229831	171349	124402	82529	51891	14574	3586	677362	136652	.290	.710	4.957
PERCENT	0	0	34	25	18	12	8	2	1	100				
CEILING	34	34	34	27	18	12	7	2	1	0				

Table I-30
Army Enlisted 30% Decrement to the Multiplier
Force Grade Strength

FILE: AF12FG OPTFCA A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOI OUTPUT DATE OF RUN: 11/21/85 16:56:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY ENLISTED PERM 10 * * AGGREGATE * *
CURRENT
USARIC ACOI VEST=90;ARJU=36;MULT=.025;HI A'G=3;DFC=Y;CHPAY=N;DUAL TEK=N;BETA= .000162;ENLOSS= .00;INC COLA=N

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	0	0	147730	0	0	0	0	0	0	147730	24600	.167	.833	1.000
2	0	0	72210	50001	0	0	0	0	0	123899	20460	.166	.834	.833
3	0	0	22524	75105	5011	0	0	0	0	102640	51567	.502	.498	.695
4	0	0	5693	25362	17017	2	0	0	0	51073	15396	.301	.699	.346
5	0	0	0	12774	22902	0	0	0	0	35677	4492	.126	.874	.242
6	0	0	0	5906	24536	744	0	0	0	31185	5566	.178	.822	.211
7	0	0	0	3656	19611	2151	0	0	0	25619	4613	.180	.820	.173
8	0	0	0	2275	12243	6636	51	0	0	21805	3624	.173	.827	.142
9	0	0	0	1529	5868	9919	67	0	0	17382	2345	.135	.865	.118
10	0	0	0	1188	3356	10307	194	0	0	15038	1581	.105	.895	.102
11	0	0	0	0	2374	10670	413	0	0	13457	1268	.094	.906	.091
12	0	0	0	0	1783	8587	1795	32	0	12196	1098	.090	.910	.083
13	0	0	0	0	1410	6641	2995	49	0	11098	824	.074	.926	.075
14	0	0	0	0	1105	4232	4862	75	0	10274	617	.060	.940	.070
15	0	0	0	0	967	3086	5475	129	0	9657	501	.052	.948	.065
16	0	0	0	0	889	2331	5678	258	0	9157	387	.042	.958	.062
17	0	0	0	0	831	1839	5497	534	9	8777	216	.025	.975	.059
18	0	0	0	0	800	1722	5070	949	13	8554	94	.011	.989	.058
19	0	0	0	0	785	1660	4197	1797	21	8460	89	.011	.989	.057
20	0	0	0	0	764	1612	3524	2434	39	8371	4914	.587	.413	.057
21	0	0	0	0	311	633	959	1504	49	3456	1937	.560	.440	.023
22	0	0	0	0	0	286	252	912	69	1519	747	.492	.508	.010
23	0	0	0	0	0	140	103	441	89	773	401	.519	.481	.005
24	0	0	0	0	0	0	50	191	131	372	80	.214	.786	.003
25	0	0	0	0	0	0	34	108	150	292	95	.325	.675	.002
26	0	0	0	0	0	0	21	58	118	197	85	.432	.568	.001
27	0	0	0	0	0	0	0	28	84	112	24	.211	.789	.001
28	0	0	0	0	0	0	0	16	72	88	12	.132	.868	.001
29	0	0	0	0	0	0	0	12	65	77	23	.304	.696	.001
30	0	0	0	0	0	0	0	8	45	53	17	.872	.128	.000
31	0	0	0	0	0	0	0	0	7	7	5	.792	.208	.000
32	0	0	0	0	0	0	0	0	1	1	1	.793	.207	.000
33	0	0	0	0	0	0	0	0	0	0	0	.814	.186	.000
34	0	0	0	0	0	0	0	0	0	0	0	.814	.186	.000
35	0	0	0	0	0	0	0	0	0	0	0	1.000	.000	.000
TOTAL	0	0	248135	181671	122582	73253	41243	9535	964	677362	147730	.324	.676	4.586
PERCENT	0	0	37	27	18	11	6	1	0	100				
CEILING	34	34	34	27	18	12	7	2	1	6				

Table I-31
Army Enlisted Cost Summary

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FILE: COSTICAE COSTM    A1                    VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT        DATE OF RUN: 11/21/83    16:56:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY              ENLISTED MEN    1# * * AGGREGATE * *
CURRENT
YR VESTED:          20       20       20       20       20       20       20       20
ANNUITY AGE:        38       38       38       38       38       38       38       38
MULTIPLIER:       .025     .025     .025     .025     .025     .025     .025     .025
DECREMENTED?         Y        Y        Y        Y        Y        Y        Y        N
PAY CHANGES?         N        N        N        N        N        N        N        N
BETA WT.:    .000162  .000162  .000162  .000162  .000162  .000162  .000162  .000162
ENLOSS:          .000     .000     .000     .000     .000     .000     .000     .000
COLA ADJ?            N        N        N        N        N        N        N        N
AVG. CPI:        .000     .000     .000     .000     .000     .000     .000     .000
=== SUMMARY TABLE   : MILITARY PAY  ( MIL'S) FOR YEAR 81 ===
 CASE NO.      :  BASE        1        2        3        4        5        6        7
  YEAR OF SERVICE
  1  -  4 YEARS  4936.37  4988.11  5115.36  5239.17  5359.59  5476.61  5586.18  5987.63
  5  - 10 YEARS  2412.41  2426.68  2415.11  2401.86  2384.83  2366.82  2348.47  2307.62
 11  - 20 YEARS  2488.35  2482.82  2352.18  2215.87  2075.78  1933.73  1792.73  1341.38
 21  - 30 YEARS   518.91   391.47   308.22   228.53   173.28   130.89   103.57    46.99
 MORE THAN 30 Y     2.30     1.67      .99      .54      .28      .13      .06      .00
 == TOTAL ==    10358.32 10290.67 10183.79 10085.18  9993.68  9908.17  9830.92  9683.75

=== MILITARY PAY ( MIL'S) FOR YEAR 81, BY SOURCE ===
 CASE NO.      :  BASE        1        2        3        4        5        6        7
  YEAR OF SERVICE
BASE PAY          7001.28  6942.82  6852.85  6778.42  6694.16  6623.14  6559.29  6371.21
BAS               1112.79  1112.79  1112.79  1112.79  1112.79  1112.79  1112.79  1112.79
VHA                152.68   150.54   147.26   144.22   141.38   138.71   136.38   129.16
BAQ               1719.28  1716.22  1693.27  1677.23  1661.99  1647.49  1634.18  1594.79
S+I                372.37   374.31   377.52   380.53   383.37   386.05   388.49   395.81
XMAS BONUS            .00      .00      .00      .00      .00      .00      .00      .00
==TOTAL==        10358.32 10290.67 10183.79 10085.18  9993.68  9908.17  9830.92  9683.75

=== SUMMARY TABLE   :  RETIREMENT  ( MIL'S) FOR YEAR 81 ===
 CASE NO.      :  BASE        1        2        3        4        5        6        7
  YEAR OF SERVICE
  1  -  4 YEARS    41.43    41.16    38.45    35.42    32.06    28.39    24.36      .00
  5  - 10 YEARS    39.37    39.09    36.43    33.45    30.17    26.66    22.76      .00
 11  - 20 YEARS  1466.58  1592.44  1428.18  1258.62  1065.12   877.48   676.61      .00
 21  - 30 YEARS  2697.31  1775.51  1370.93  1046.82   772.67   558.71   394.69      .00
 MORE THAN 30 Y    28.43    19.79    10.47     5.89     2.25      .98      .33      .00
 == TOTAL ==     3687.84  3465.99  2892.57  2378.68  1982.27  1494.87  1118.76      .00

 TAX ADV( MIL'S):  747.43   742.33   735.81   728.36   722.28   716.67   711.67   697.1

 -> -> -> ->   TOTAL COST  ( MIL'S) FOR YEAR 81
 MILITARY       10358.32 10290.67 10183.79 10085.18  9993.68  9908.17  9830.92  9683.75
 RETIREMENT      3687.84  3465.99  2892.57  2378.68  1982.27  1494.87  1118.76      .00
 DEATH BEN.         1.91     1.88     1.82     1.88     1.75     1.73     1.69     1.61

 == TOTAL =     14047.27 13758.54 13078.17 12457.58 11977.70 11403.93 10951.37  9685.36
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Table I-32
Navy Enlisted Military Versus Civilian Income Streams

* * * * * * INCOME STREAMS: MILITARY PAY * * * * * *

SCENARIO NO. 0 0 : BASECASE

AGE	(LOS)	BASE	BAS	VHA	BAQ	SIPAY	TAXES	IBONUS	MILPAY	ANNUITY	CIVW
18	1	2711	1643	292	1788	66	871	0	12371	0	12476
19	2	7826	1643	297	1895	128	903	0	12692	0	13197
20	3	8490	1643	317	2054	464	958	0	13926	0	13934
21	4	9244	1643	354	2240	937	1017	0	15434	0	14585
22	5	10179	1643	417	2504	1919	1082	0	17744	0	15449
23	6	10353	1643	468	2659	1655	1115	0	17885	0	16223
24	7	11223	1643	522	2837	1917	1161	0	19303	0	17005
25	8	11399	1643	559	2952	2164	1189	0	19905	0	17792
26	9	12043	1643	598	3039	2678	1220	0	21221	0	18581
27	10	12229	1643	628	3092	2172	1248	0	21911	0	19370
28	11	12913	1643	662	3182	2817	1282	0	22499	0	20156
29	12	13057	1643	688	3213	2341	1304	0	22245	0	20935
30	13	13786	1643	718	3269	2341	1330	0	23088	0	21705
31	14	13966	1643	747	3328	1971	1356	0	23211	0	22462
32	15	14527	1643	774	3398	1766	1382	0	23589	0	23203
33	16	14820	1643	799	3436	1858	1408	0	23964	0	23925
34	17	15480	1643	823	3463	1807	1441	0	24656	0	24625
35	18	15706	1643	844	3517	1845	1475	0	25030	0	25299
36	19	16290	1643	866	3542	1887	1514	0	25741	0	25944
37	20	16587	1643	889	3580	1791	1562	0	26053	8293	26556
38	21	17356	1643	929	3662	1491	1654	0	26736	9112	27134
39	22	17693	1643	951	3728	1673	1708	0	27395	9731	27674
40	23	18893	1643	969	3774	1703	1753	0	28736	10864	28173
41	24	19357	1643	994	3815	1651	1821	0	29286	11614	28629
42	25	19921	1643	1023	3899	1611	1906	0	30005	12451	29039
43	26	20524	1643	1052	3936	1553	2009	0	30717	13340	29401
44	27	23274	1643	1081	4046	1638	2114	0	33797	15710	29714
45	28	23917	1643	1109	4138	1430	2223	0	34459	16742	29975
46	29	24405	1643	1138	4219	1144	2309	0	34851	17694	30184
47	30	24618	1643	1148	4281	1230	2380	0	35500	18614	30338
48	31	25152	1643	1163	4269	1230	2445	0	35901	18864	30438
49	32	25023	1643	1157	4291	1230	2413	0	35757	18864	30482
50	33	25256	1643	1168	4305	1230	2456	0	36060	18942	30471
51	34	25560	1643	1181	4281	1230	2523	0	36417	19170	30405
52	35	25560	1643	1181	4424	1230	2523	0	36561	19170	30283
53	36	0	0	0	0	0	0	0	0	19170	30106
54	37	0	0	0	0	0	0	0	0	19170	29877
55	38	0	0	0	0	0	0	0	0	19170	29595
56	39	0	0	0	0	0	0	0	0	19170	29262
57	40	0	0	0	0	0	0	0	0	19170	28880
58	41	0	0	0	0	0	0	0	0	19170	28451
59	42	0	0	0	0	0	0	0	0	19170	27978
60	43	0	0	0	0	0	0	0	0	19170	27462
61	44	0	0	0	0	0	0	0	0	19170	26907
62	45	0	0	0	0	0	0	0	0	19170	26314
63	46	0	0	0	0	0	0	0	0	19170	25688
64	47	0	0	0	0	0	0	0	0	19170	25032
TOTALS:		584638	57499	28492	120858	55798	57858	0	983543	469215	1171414

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Table I-33
Navy Enlisted Annualized Cost of Leaving (ACOL)

FILE: ACOLMATE PAGEIN A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY INLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** ACOL MATRIX ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
2	3699	3636	3376	3116	2856	2596	2336	1328
3	4188	4110	3820	3530	3241	2951	2661	1613
4	4656	4579	4256	3934	3611	3288	2965	1908
5	5188	5020	4660	4300	3940	3580	3220	2294
6	5438	5341	4939	4536	4134	3732	3329	2151
7	5895	5786	5335	4884	4433	3982	3531	2342
8	6345	6222	5715	5207	4700	4192	3685	2367
9	6898	6759	6185	5611	5038	4464	3890	2640
10	7484	7326	6673	6020	5368	4715	4062	1979
11	8338	8156	7408	6660	5912	5164	4416	2344
12	9277	9067	8202	7337	6472	5606	4741	1363
13	10635	10398	9377	8364	7351	6339	5326	1383
14	12377	12085	10881	9678	8475	7271	6068	1366
15	14867	14534	13075	11616	10157	8698	7240	1443
16	18455	18014	16197	14379	12561	10744	8926	1544
17	23934	23362	21004	18645	16287	13928	11570	1692
18	33892	32301	29039	25777	22515	19253	15991	1860
19	51621	50398	45316	40243	35169	30095	25021	2080
20	107226	104676	94158	83640	73122	62604	52086	2324
21	9220	7635	6831	6028	5225	4421	3618	2637
22	6649	7498	6648	5871	5102	4334	3565	2988
23	13792	10526	9530	8533	7537	6541	5545	3379
24	8489	9865	8890	7975	7059	6144	5228	3735
25	9836	11059	10058	9048	8031	7022	6012	4148
26	14635	9685	8846	8011	7174	6337	5780	4603
27	30731	18825	17351	15877	14402	12928	11454	5108
28	14388	19741	18215	16690	15164	13638	12112	5280
29	13223	19846	18328	16810	15292	13774	12257	5428
30	12752	13550	12711	11872	11033	10195	9356	5588
31	4974	5705	5681	5657	5632	5608	5584	5692
32	738	3598	3765	3933	4101	4268	4436	5760
33	4043	3321	3548	3775	4002	4228	4455	5944
34	4946	3598	3839	4081	4322	4564	4805	6141
35	2682	4155	4367	4579	4792	5004	5216	6278

Table I-34
Navy Enlisted Pay Component of ACOL

FILE: ACOLMATE PAGE2N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY ENLISTED MEN 10 * * AGGREGATE * *

CURRENT								
YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

--- ACOL PAY COMPONENT ---

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
2	1036	1036	1036	1036	1036	1036	1328
3	1212	1212	1212	1212	1212	1212	1613
4	1351	1351	1351	1351	1351	1351	1908
5	1420	1420	1420	1420	1420	1420	2294
6	1318	1318	1318	1318	1318	1318	2151
7	1276	1276	1276	1276	1276	1276	2342
8	1148	1148	1148	1148	1148	1148	2367
9	1022	1022	1022	1022	1022	1022	2640
10	799	799	799	799	799	799	1979
11	676	676	676	676	676	676	2344
12	415	415	415	415	415	415	1363
13	262	262	262	262	262	262	1383
14	51	51	51	51	51	51	1366
15	-54	-54	-54	-54	-54	-54	1443
16	-162	-162	-162	-162	-162	-162	1544
17	-222	-222	-222	-222	-222	-222	1692
18	-319	-319	-319	-319	-319	-319	1866
19	-347	-347	-347	-347	-347	-347	2080
20	-504	-504	-504	-504	-504	-504	2324
21	-398	-398	-398	-398	-398	-398	2637
22	-278	-278	-278	-278	-278	-278	2986
23	563	563	563	563	563	563	3379
24	652	652	652	652	652	652	3735
25	966	966	966	966	966	966	4148
26	2652	1315	1315	1315	1315	3222	4603
27	4083	4083	4083	4083	4083	4083	5108
28	4484	4484	4484	4484	4484	4484	5280
29	4667	4667	4667	4667	4667	4667	5428
30	5162	5162	5162	5162	5162	5162	5588
31	5463	5463	5463	5463	5463	5463	5692
32	5275	5275	5275	5275	5275	5275	5760
33	5589	5589	5589	5589	5589	5589	5944
34	6013	6013	6013	6013	6013	6013	6141
35	6278	6278	6278	6278	6278	6278	6278

Table I-35
Navy Enlisted Retirement Component of ACOL

FILE: ACOLMATE PAGE3N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/85 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** ACOL RETIREMENT COMPONENT ***

CASE NO.: YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
2	2664	2600	2340	2080	1820	1560	1300	0
3	2968	2898	2608	2318	2029	1739	1449	0
4	3307	3228	2905	2583	2260	1937	1614	0
5	3687	3600	3240	2880	2520	2160	1800	0
6	4121	4023	3621	3219	2816	2414	2012	0
7	4619	4510	4059	3608	3157	2706	2255	0
8	5197	5074	4567	4059	3552	3044	2537	0
9	5876	5737	5163	4590	4016	3442	2868	0
10	6685	6526	5874	5221	4568	3916	3263	0
11	7662	7480	6732	5984	5236	4488	3740	0
12	8862	8652	7787	6922	6057	5191	4326	0
13	10373	10127	9115	8102	7089	6076	5064	0
14	12325	12033	10830	9627	8423	7220	6017	0
15	14941	14588	13129	11670	10211	8753	7294	0
16	18617	18177	16359	14541	12724	10906	9088	0
17	24156	23584	21226	18867	16509	14151	11792	0
18	33412	32628	29358	26096	22834	19572	16310	0
19	51968	50738	45664	40590	35516	30443	25369	0
20	107730	105179	94661	84143	73625	63108	52590	0
21	9618	8033	7230	6427	5623	4820	4017	0
22	6928	7687	6918	6149	5381	4612	3843	0
23	13229	9962	8966	7970	6974	5977	4981	0
24	7838	9154	8238	7323	6407	5492	4577	0
25	8870	10093	9084	8074	7065	6056	5047	0
26	11983	8369	7532	6695	5858	5022	2558	0
27	26648	14742	13268	11794	10320	8845	7371	0
28	9806	15257	13731	12205	10680	9154	7628	0
29	8556	15179	13661	12143	10625	9107	7589	0
30	7589	8387	7549	6710	5871	5032	4194	0
31	-489	241	217	193	169	145	121	0
32	-4545	-1677	-1510	-1342	-1174	-1006	-839	0
33	-1546	-2268	-2041	-1814	-1587	-1361	-1134	0
34	-1067	-2415	-2173	-1932	-1690	-1449	-1207	0
35	-3596	-2123	-1911	-1699	-1486	-1274	-1062	0

Table I-36
Navy Enlisted Force Structures

FILE: ACOLMATE PAGE4N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

--- FORCE TABLE ---

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
1	88477	89168	91233	93244	95281	97107	98958	104333
2	77107	77712	79511	81262	82967	84627	86240	90920
3	66444	66976	68503	69988	71432	72837	74202	78145
4	52472	52907	54200	55459	56684	57878	59039	60775
5	26118	26244	26393	26521	26630	26722	26798	27113
6	21748	21833	21875	21899	21969	21997	21892	21935
7	16485	16532	16452	16363	16265	16161	16051	15839
8	14753	14786	14668	14525	14385	14240	14092	13777
9	12489	12496	12289	12077	11861	11644	11427	10972
10	11031	11022	10760	10495	10228	9962	9699	9088
11	9848	9820	9503	9184	8866	8552	8246	7496
12	9259	9223	8882	8539	8196	7858	7526	6664
13	8747	8703	8332	7958	7585	7215	6852	5847
14	8497	8357	7966	7572	7176	6783	6397	5277
15	8114	8058	7649	7233	6813	6394	5980	4727
16	7880	7819	7392	6953	6506	6056	5669	4196
17	7671	7685	7152	6680	6192	5693	5191	3568
18	7546	7478	7023	6543	6048	5517	4981	3154
19	7299	7234	6792	6326	5836	5323	4791	2792
20	6846	5991	5626	5240	4834	4409	3968	1970
21	3338	2917	2557	2213	1898	1569	1314	585
22	2223	2025	1706	1414	1153	922	722	308
23	1540	1155	985	693	519	378	268	91
24	1141	901	682	503	368	258	169	52
25	893	734	538	382	262	174	111	36
26	735	495	347	234	152	95	58	15
27	558	378	249	156	93	53	29	4
28	448	343	228	133	77	41	21	2
29	398	326	206	123	69	36	18	1
30	288	249	152	87	47	24	11	1
31	189	102	62	36	19	10	5	0
32	42	50	31	18	10	5	2	0
33	16	18	11	7	4	2	1	0
34	6	6	4	2	1	1	0	0
35	2	3	2	1	1	0	0	0
TTL ENDSTRENGTH	479663	479663	479663	479663	479663	479663	479663	479663
EXP. SERV. LIFE	5	5	5	5	5	5	5	5

Table I-37
Navy Enlisted Reenlistment Rates

FILE: ACOLNAVE PAGE5A A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** REENLISTMENT RATES ***

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.449	.447	.437	.426	.416	.406	.396	.357
3	.240	.238	.230	.221	.213	.206	.198	.173
4	.240	.237	.228	.219	.210	.202	.193	.168
5	.267	.264	.253	.242	.232	.222	.212	.188
6	.371	.367	.352	.336	.323	.309	.295	.257
7	.333	.329	.313	.297	.282	.268	.254	.219
8	.519	.514	.494	.473	.453	.432	.412	.362
9	.556	.550	.527	.504	.481	.458	.435	.386
10	.620	.614	.589	.563	.537	.511	.484	.401
11	.700	.694	.668	.640	.612	.583	.553	.470
12	.771	.765	.739	.711	.681	.650	.617	.483
13	.826	.820	.795	.767	.736	.703	.668	.515
14	.880	.875	.852	.826	.796	.763	.726	.553
15	.911	.906	.884	.857	.825	.789	.747	.535
16	.934	.930	.908	.880	.845	.803	.752	.479
17	.946	.941	.917	.882	.836	.777	.704	.325
18	.987	.986	.976	.960	.933	.892	.830	.331
19	.999	.999	.998	.996	.991	.980	.955	.339
20	1.000	1.000	1.000	1.000	1.000	1.000	.999	.347
21	.551	.487	.454	.422	.391	.361	.331	.297
22	.668	.694	.667	.639	.610	.580	.549	.526
23	.693	.570	.530	.490	.450	.410	.372	.294
24	.741	.780	.753	.725	.694	.662	.628	.570
25	.783	.814	.788	.760	.729	.695	.660	.589
26	.823	.675	.645	.613	.580	.547	.525	.477
27	.957	.763	.717	.666	.611	.553	.494	.259
28	.803	.907	.884	.856	.822	.783	.738	.483
29	.870	.951	.938	.923	.903	.879	.851	.654
30	.739	.763	.738	.710	.682	.651	.620	.470
31	.360	.408	.407	.406	.405	.404	.403	.408
32	.380	.494	.501	.507	.514	.521	.528	.581
33	.360	.353	.361	.370	.378	.387	.396	.455
34	.380	.330	.339	.348	.356	.365	.375	.427
35	.380	.438	.446	.455	.463	.472	.480	.523

Table I-38
Navy Enlisted Continuation Rates

FILE: ACOLMATE PAGE6N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

--- CONTINUATION RATES ---

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.871	.872	.872	.872	.871	.871	.871	.871
3	.862	.862	.862	.861	.861	.861	.860	.859
4	.790	.790	.788	.787	.785	.784	.782	.778
5	.498	.496	.489	.482	.475	.468	.462	.446
6	.833	.832	.829	.826	.823	.820	.817	.809
7	.758	.757	.752	.747	.742	.738	.733	.722
8	.895	.894	.891	.888	.884	.881	.878	.870
9	.847	.845	.838	.831	.825	.818	.811	.796
10	.883	.882	.876	.869	.862	.856	.849	.828
11	.893	.891	.883	.875	.867	.858	.850	.825
12	.940	.939	.935	.930	.925	.919	.913	.890
13	.945	.944	.938	.932	.925	.918	.911	.877
14	.961	.960	.956	.951	.946	.940	.933	.903
15	.965	.964	.960	.955	.949	.943	.935	.896
16	.971	.970	.966	.961	.955	.947	.938	.888
17	.974	.973	.968	.961	.952	.940	.925	.850
18	.984	.983	.982	.979	.975	.969	.960	.884
19	.967	.967	.967	.967	.966	.965	.962	.885
20	.828	.828	.828	.828	.828	.828	.828	.706
21	.551	.487	.454	.422	.391	.361	.331	.297
22	.668	.694	.667	.639	.610	.580	.549	.526
23	.693	.570	.530	.490	.450	.410	.372	.294
24	.741	.780	.753	.725	.694	.662	.628	.570
25	.783	.814	.788	.760	.729	.695	.660	.589
26	.823	.675	.645	.613	.580	.547	.525	.477
27	.750	.763	.717	.666	.611	.553	.494	.259
28	.803	.907	.864	.856	.822	.783	.738	.483
29	.870	.951	.938	.923	.903	.879	.851	.654
30	.739	.763	.738	.710	.682	.651	.620	.470
31	.380	.408	.407	.406	.405	.404	.403	.408
32	.380	.494	.501	.507	.514	.521	.528	.581
33	.380	.353	.361	.370	.378	.387	.396	.455
34	.380	.330	.339	.348	.356	.365	.375	.427
35	.380	.438	.446	.455	.463	.472	.480	.523

Table I-39
Navy Enlisted Survival Rates

FILE: ACOLMATE PAGE7N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY ENLISTED MEN 10 * * AGGREGATE * *

CURRENT								
YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** SURVIVAL RATES ***

CASE NO. :	BASE	1	2	3	4	5	6	7
YEAR OF SERVICE								
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.871	.872	.872	.872	.871	.871	.871	.871
3	.751	.751	.751	.751	.750	.750	.750	.749
4	.593	.593	.592	.590	.589	.588	.587	.583
5	.295	.294	.289	.284	.280	.275	.271	.260
6	.246	.245	.240	.235	.230	.226	.221	.210
7	.186	.185	.180	.175	.171	.166	.162	.152
8	.167	.166	.161	.156	.151	.147	.142	.132
9	.141	.140	.135	.130	.125	.120	.115	.105
10	.125	.124	.118	.113	.107	.103	.098	.087
11	.111	.110	.104	.098	.093	.088	.083	.072
12	.105	.103	.097	.092	.086	.081	.076	.064
13	.099	.098	.091	.085	.080	.074	.069	.056
14	.095	.094	.087	.081	.075	.070	.065	.051
15	.092	.090	.084	.078	.072	.066	.060	.045
16	.089	.088	.081	.075	.068	.062	.057	.040
17	.087	.085	.078	.072	.065	.059	.052	.034
18	.085	.084	.077	.070	.063	.057	.050	.030
19	.082	.081	.074	.068	.061	.055	.048	.027
20	.068	.067	.062	.056	.051	.045	.040	.019
21	.038	.033	.028	.024	.020	.016	.013	.006
22	.025	.023	.019	.015	.012	.009	.007	.003
23	.017	.013	.010	.007	.005	.004	.003	.001
24	.013	.010	.007	.005	.004	.003	.002	.000
25	.010	.008	.006	.004	.003	.002	.001	.000
26	.008	.006	.004	.003	.002	.001	.001	.000
27	.006	.004	.003	.002	.001	.001	.000	.000
28	.005	.004	.002	.001	.001	.000	.000	.000
29	.004	.004	.002	.001	.001	.000	.000	.000
30	.003	.003	.002	.001	.000	.000	.000	.000
31	.001	.001	.001	.000	.000	.000	.000	.000
32	.000	.001	.000	.000	.000	.000	.000	.000
33	.000	.000	.000	.000	.000	.000	.000	.000
34	.000	.000	.000	.000	.000	.000	.000	.000
35	.000	.000	.000	.000	.000	.000	.000	.000

Table I-40
Navy Enlisted Present Value Gap

FILE: NE10 PVGAPN A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
DISC WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
INLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

=== 1: PRESENT VALUE GAP 2: YR PV MAX ===

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
2	56622	-614	-3146	-5679	-8211	-10743	-13276	-29198
2	19	19	19	19	19	19	19	34
3	49874	-687	-3521	-6354	-9188	-12022	-14855	-36382
3	18	18	18	18	18	18	18	9
4	45892	-758	-3883	-7009	-10134	-13260	-16385	-33512
4	17	17	17	17	17	17	17	8
5	48556	-839	-4252	-7675	-11097	-14520	-17942	-46261
5	16	16	16	16	16	16	16	1
6	58425	-965	-4635	-8305	-12996	-15826	-19557	-42777
6	15	15	15	15	15	15	15	4
7	53006	-983	-5032	-9093	-13148	-17203	-21258	-46499
7	14	14	14	14	14	14	14	3
8	54916	-1068	-5456	-9848	-14240	-18631	-23023	-56356
8	13	13	13	13	13	13	13	2
9	57628	-1150	-5893	-10636	-15379	-20122	-24865	-54387
9	12	12	12	12	12	12	12	1
10	58684	-1241	-6359	-11476	-16594	-21711	-26829	-54871
10	11	11	11	11	11	11	11	2
11	61549	-1339	-6861	-12383	-17905	-23426	-28948	-59265
11	10	10	10	10	10	10	10	1
12	63765	-1441	-7382	-13324	-19265	-25207	-31148	-47398
12	9	9	9	9	9	9	9	24
13	67137	-1550	-7943	-14336	-20729	-27123	-33516	-65754
13	8	8	8	8	8	8	8	1
14	78685	-1667	-8539	-15412	-22284	-29157	-36029	-54816
14	7	7	7	7	7	7	7	22
15	76397	-1792	-9188	-16583	-23956	-31344	-38731	-58928
15	6	6	6	6	6	6	6	21
16	86487	-1922	-9850	-17777	-25704	-33632	-41559	-63229
16	5	5	5	5	5	5	5	20
17	86492	-2065	-10578	-19092	-27606	-36120	-44634	-67988
17	4	4	4	4	4	4	4	19
18	82676	-2215	-11351	-20486	-29622	-38757	-47893	-72866
18	3	3	3	3	3	3	3	18
19	99729	-2377	-12179	-21982	-31784	-41586	-51389	-78185
19	2	2	2	2	2	2	2	17
20	107226	-2550	-13068	-23586	-34104	-44622	-55140	-83892
20	1	1	1	1	1	1	1	16
21	9226	-1585	-2389	-3192	-3995	-4799	-5602	16334
21	1	1	1	1	1	1	1	15

Table I-40 (Con't)
Navy Enlisted Present Value Gap

FILE: NE16 PVGAPN A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

22	6649	759	-18	-778	-1547	-2316	-3084	21146
22	1	1	1	1	1	1	1	14
23	13792	-3267	-4263	-5259	-6255	-7252	-8248	16302
23	1	1	1	1	1	1	1	13
24	8489	1316	488	-515	-1438	-2346	-3261	23168
24	1	1	1	1	1	1	1	12
25	9836	1223	213	-798	-1805	-2815	-3824	23348
25	1	1	1	1	1	1	1	11
26	28313	-18628	-19465	-20302	-21139	-21976	-12888	6217
26	2	1	1	1	1	1	3	10
27	30731	-11986	-13386	-14854	-16328	-17803	-19277	4808
27	1	1	1	1	1	1	1	9
28	14389	5361	3835	2389	784	-742	-2268	19389
28	1	1	1	1	1	1	1	8
29	13223	6623	5195	3587	2070	552	-966	18856
29	1	1	1	1	1	1	1	7
30	12752	798	-41	-688	-1718	-2557	-3396	15758
30	1	1	1	1	1	1	1	6
31	4974	731	786	682	558	634	618	19998
31	1	1	1	1	1	1	1	5
32	736	2868	3835	3283	3371	3539	3786	28145
32	1	1	1	1	1	1	1	4
33	4843	-722	-495	-268	-41	185	412	12649
33	1	1	1	1	1	1	1	3
34	4946	-1348	-1187	-865	-624	-382	-141	6934
34	1	1	1	1	1	1	1	2
35	2082	1473	1685	1897	2110	2322	2534	3596
35	1	1	1	1	1	1	1	1

Table I-41
Navy Enlisted High-3 Force Grade Strengths

FILE: NE10FG 30DEC0 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
USN 10 ACOL VEST=22;ASU=36;MULT=.025;EI AVG=3;DAC=Y;CHPAY=N;DUAL TRF=N;BETA= .000162;ENLOSS= .00;INC COLA=N

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	0	0	95201	0	0	0	0	0	0	95201	12234	.129	.871	1.000
2	0	0	63005	19962	0	0	0	0	0	82967	11535	.139	.861	.871
3	0	0	28917	38299	4217	0	0	0	0	71432	15348	.215	.785	.750
4	0	0	7959	35578	12547	0	0	0	0	56084	29455	.525	.475	.589
5	0	0	0	12261	14369	0	0	0	0	26630	4720	.177	.823	.280
6	0	0	0	6714	13678	1318	0	0	0	21909	5645	.258	.742	.230
7	0	0	0	3113	9482	3669	0	0	0	16265	1880	.116	.884	.171
8	0	0	0	1198	8932	4255	0	0	0	14385	2524	.175	.825	.151
9	0	0	0	382	6886	4363	290	0	0	11861	1633	.138	.862	.125
10	0	0	0	0	5685	3835	706	0	0	10228	1362	.133	.867	.107
11	0	0	0	0	4215	3220	1427	0	0	8866	669	.075	.925	.093
12	0	0	0	0	3229	3428	1539	10	0	8196	612	.075	.925	.086
13	0	0	0	0	2278	3611	1657	39	0	7585	489	.054	.946	.080
14	0	0	0	0	1498	3854	1737	76	0	7176	363	.051	.949	.075
15	0	0	0	0	869	3977	1841	126	1	6813	387	.045	.955	.072
16	0	0	0	0	447	3885	1983	184	7	6506	314	.048	.952	.068
17	0	0	0	0	208	3591	2032	348	20	6192	152	.025	.975	.055
18	0	0	0	0	86	3249	2131	520	54	6040	204	.034	.966	.063
19	0	0	0	0	0	2858	2151	678	109	5836	1022	.172	.828	.051
20	0	0	0	0	0	2013	1910	736	174	4834	2944	.609	.391	.051
21	0	0	0	0	0	571	773	393	153	1890	737	.390	.610	.020
22	0	0	0	0	0	285	462	260	126	1153	634	.550	.450	.012
23	0	0	0	0	0	106	202	142	70	519	159	.306	.694	.005
24	0	0	0	0	0	56	128	112	64	360	98	.271	.729	.004
25	0	0	0	0	0	29	80	89	65	262	110	.420	.580	.003
26	0	0	0	0	0	12	36	52	52	152	59	.389	.611	.002
27	0	0	0	0	0	5	16	29	43	93	17	.178	.822	.001
28	0	0	0	0	0	3	9	20	45	77	7	.097	.903	.001
29	0	0	0	0	0	1	6	13	49	69	22	.318	.682	.001
30	0	0	0	0	0	0	3	6	38	47	28	.595	.405	.000
31	0	0	0	0	0	0	1	1	17	19	9	.486	.514	.000
32	0	0	0	0	0	0	0	1	8	10	6	.622	.378	.000
33	0	0	0	0	0	0	0	0	3	4	2	.644	.356	.000
34	0	0	0	0	0	0	0	0	1	1	1	.537	.463	.000
35	0	0	0	0	0	0	0	0	1	1	1	1.000	.000	.000
TOTAL	0	0	195062	117428	88732	52224	21241	3855	1162	479663	95201	.285	.715	5.038
PERCENT	0	0	41	24	18	11	4	1	0	100				
CEILING	33	33	33	22	20	15	7	2	1	0				

Table I-42
Navy Enlisted 30% Decrement to Multiplier
Force Grade Strengths

FILE: NE10MG NI30 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY ENLISTED PER 10 * * AGGREGATE * *
CURRENT

USN 10 ACOL WEST=28;AAG=38;MULT=.825;NI AVG=3;DEC=Y;CEPAY=N;DUAL TPR=N;BETA= .000162;ENLOSS= .90;INC COLA=N

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	0	0	69168	0	0	0	0	0	0	89168	11456	.128	.872	1.000
2	0	0	59814	18698	0	0	0	0	0	77712	10735	.138	.862	.872
3	0	0	27113	35918	3954	0	0	0	0	66976	14070	.210	.790	.751
4	0	0	7548	33563	11836	0	0	0	0	52987	26663	.504	.496	.593
5	0	0	0	12383	14161	0	0	0	0	26244	4411	.168	.832	.294
6	0	0	0	6591	13829	1313	0	0	0	21833	5301	.243	.757	.245
7	0	0	0	3164	9638	3730	0	0	0	16532	1747	.106	.894	.185
8	0	0	0	1231	9181	4374	0	0	0	14786	2290	.155	.845	.166
9	0	0	0	319	7254	4616	305	0	0	12496	1473	.118	.882	.140
10	0	0	0	0	6848	4133	849	0	0	11822	1282	.109	.891	.124
11	0	0	0	0	4673	3566	1581	0	0	9820	597	.061	.939	.118
12	0	0	0	0	3623	3857	1731	11	0	9223	520	.056	.944	.103
13	0	0	0	0	2614	4143	1982	44	0	8783	346	.040	.960	.098
14	0	0	0	0	1745	4508	2023	89	0	8357	296	.036	.964	.094
15	0	0	0	0	1028	4784	2177	140	1	8858	230	.030	.970	.090
16	0	0	0	0	538	4669	2383	221	9	7819	214	.027	.973	.088
17	0	0	0	0	246	4410	2496	427	25	7605	126	.017	.983	.085
18	0	0	0	0	106	4023	2638	644	67	7478	244	.033	.967	.084
19	0	0	0	0	0	3543	2716	841	135	7236	1242	.172	.828	.081
20	0	0	0	0	0	2496	2367	913	216	5991	3074	.513	.487	.067
21	0	0	0	0	0	881	1193	697	226	2917	892	.306	.694	.033
22	0	0	0	0	0	581	811	492	221	2825	870	.438	.562	.023
23	0	0	0	0	0	236	451	512	157	1155	254	.220	.780	.013
24	0	0	0	0	0	148	320	279	161	901	167	.186	.814	.010
25	0	0	0	0	0	81	223	249	181	734	238	.325	.675	.008
26	0	0	0	0	0	38	118	169	171	495	117	.237	.763	.006
27	0	0	0	0	0	20	66	117	175	378	35	.093	.907	.004
28	0	0	0	0	0	11	41	87	203	343	17	.049	.951	.004
29	0	0	0	0	0	6	28	62	230	326	77	.237	.763	.004
30	0	0	0	0	0	2	15	54	199	269	147	.592	.408	.003
31	0	0	0	0	0	1	3	8	98	102	51	.506	.494	.001
32	0	0	0	0	0	0	2	7	42	50	32	.647	.353	.001
33	0	0	0	0	0	0	0	2	16	18	12	.678	.338	.000
34	0	0	0	0	0	0	0	0	6	6	3	.562	.438	.000
35	0	0	0	0	0	0	0	0	3	3	3	1.000	.000	.000
TOTAL	0	0	182883	111658	90465	59993	26437	5764	2541	479663	89168	.255	.745	5.379
PERCENT	0	0	38	23	19	12	6	1	1	100				
CEILING	33	33	33	22	20	15	7	2	1	0				

Table I-43
Navy Enlisted Cost Summary

FILE: COST10NE COSTN A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:03:32 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMINTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

--- SUMMARY TABLE : MILITARY PAY (MIL'S) FOR YEAR 81 ---

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1 - 4 YEARS 3544.67	3572.92	3653.43	3731.72	3807.85	3881.87	3953.73	4161.36
5 - 10 YEARS 1842.98	1847.84	1837.98	1826.81	1814.81	1802.10	1788.85	1765.71
11 - 20 YEARS 1813.85	1801.78	1711.84	1619.85	1523.99	1427.48	1330.43	1012.64
21 - 30 YEARS 314.88	297.79	202.84	157.96	121.88	93.22	70.71	27.94
MORE THAN 30 Y 5.86	5.95	3.67	2.13	1.16	.59	.28	.01
-- TOTAL -- 7521.36	7486.28	7409.67	7337.64	7269.89	7205.25	7144.99	6965.59

--- MILITARY PAY (MIL'S) FOR YEAR 81, BY SOURCE ---

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
BASE PAY 4868.31	4842.14	4789.40	4740.61	4695.82	4652.21	4611.86	4494.10
BAS 788.00	788.00	788.00	788.00	788.00	788.00	788.00	786.00
VHA 214.50	212.89	209.39	206.10	202.97	200.00	197.18	188.85
BAQ 1161.68	1157.30	1147.04	1137.26	1127.90	1119.00	1110.55	1085.64
S+I 488.88	485.96	475.74	465.65	455.73	445.96	436.41	409.01
XMAS BONUS .00	.00	.00	.00	.00	.00	.00	.00
--TOTAL-- 7521.36	7486.28	7409.67	7337.64	7269.89	7205.25	7144.99	6965.59

--- SUMMARY TABLE : RETIREMENT (MIL'S) FOR YEAR 81 ---

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1 - 4 YEARS 18.85	17.78	16.58	15.11	13.61	11.98	10.25	.00
5 - 10 YEARS 28.76	28.48	19.02	17.41	15.66	13.77	11.74	.00
11 - 20 YEARS 1864.39	1148.00	1016.85	880.95	744.61	609.93	480.00	.00
21 - 30 YEARS 1849.25	871.48	684.28	523.79	389.64	278.63	199.46	.00
MORE THAN 30 Y 45.76	41.98	23.27	11.88	5.59	2.48	.95	.00
-- TOTAL -- 2218.21	2098.52	1759.12	1449.15	1169.10	916.71	693.40	.00

TAX ADV(MIL'S): 516.68 513.98 509.89 506.13 502.64 499.39 496.35 487.5

-> -> -> -> TOTAL COST (MIL'S) FOR YEAR 81

MILITARY	7521.36	7486.28	7409.67	7337.64	7269.89	7205.25	7144.99	6965.59
RETIREMENT	2218.21	2098.52	1759.12	1449.15	1169.10	916.71	693.40	.00
DEATH BEN.	1.34	1.34	1.31	1.29	1.26	1.25	1.22	1.18
-- TOTAL -	9740.91	9586.13	9170.10	8788.08	8440.25	8123.21	7839.63	6966.77

Table I-44
USMC Enlisted Military Versus Civilian Income Streams

* * * * * * INCOME STREAMS: MILITARY PAY * * * * * *

SCENARIO NO. 0 0 : BASECASE

AGE	(LOS)	BASE	BAS	VHA	BAQ	SIPAY	TAXES	XBONUS	MILPAY	ANNUITY	CIVW
18	1	7711	1643	168	1819	0	671	0	12213	0	12476
19	2	7788	1643	1349	1863	0	892	0	13535	0	13197
20	3	8487	1643	1349	1998	5	942	0	14336	0	13934
21	4	8967	1643	1949	2105	31	968	0	15662	0	14685
22	5	9761	1643	1949	2367	92	1017	0	16828	0	15449
23	6	10116	1643	1949	2666	596	1092	0	18662	0	16223
24	7	10739	1643	1949	2746	628	1102	0	18800	0	17005
25	8	11058	1643	1949	2898	469	1158	0	19158	0	17792
26	9	12434	1643	1949	3188	2197	1289	0	22698	0	18581
27	10	12669	1643	1949	3279	2058	1315	0	22965	0	19378
28	11	13179	1643	1949	3312	1778	1322	0	23174	0	20156
29	12	13547	1643	1949	3398	1565	1379	0	23481	0	20935
30	13	14736	1643	1949	3499	1859	1479	0	24365	0	21705
31	14	15164	1643	1949	3607	1146	1556	0	25065	0	22462
32	15	15980	1643	1949	3661	1415	1579	0	26228	0	23203
33	16	15982	1643	1949	3666	1244	1579	0	26062	0	23925
34	17	16657	1643	1949	3697	994	1618	0	26558	0	24625
35	18	17096	1643	1949	3758	875	1696	0	27816	0	25299
36	19	18091	1643	1949	3837	782	1793	0	28814	0	25944
37	20	18644	1643	1949	3928	577	1892	0	28625	9322	26556
38	21	19442	1643	1949	4001	319	1954	0	29307	10207	27134
39	22	19665	1643	1949	4021	244	2001	0	29522	10816	27674
40	23	21230	1643	1949	4059	264	2089	0	31233	12207	28173
41	24	21968	1643	1949	4163	144	2244	0	32111	13181	28629
42	25	22514	1643	1949	4228	144	2358	0	32836	14071	29039
43	26	22953	1643	1949	4292	101	2451	0	33389	14919	29401
44	27	23594	1643	1949	4326	79	2511	0	36812	17215	29714
45	28	25562	1643	1949	4251	137	2523	0	36063	17892	29975
46	29	25560	1643	1949	4339	102	2523	0	36115	18531	30184
47	30	25560	1643	1949	4287	56	2523	0	36017	19178	30338
48	31	25560	1643	1949	4364	56	2523	0	36094	19178	30438
49	32	25560	1643	1949	4332	56	2523	0	36062	19178	30482
50	33	25560	1643	1949	4218	56	2523	0	35948	19178	30471
51	34	25560	1643	1949	4424	56	2523	0	36154	19178	30485
52	35	25560	1643	1949	4424	56	2523	0	36154	19178	30283
53	36	0	0	0	0	0	0	0	0	19178	30186
54	37	0	0	0	0	0	0	0	0	19178	29877
55	38	0	0	0	0	0	0	0	0	19178	29595
56	39	0	0	0	0	0	0	0	0	19178	29262
57	40	0	0	0	0	0	0	0	0	19178	28868
58	41	0	0	0	0	0	0	0	0	19178	28451
59	42	0	0	0	0	0	0	0	0	19178	27978
60	43	0	0	0	0	0	0	0	0	19178	27462
61	44	0	0	0	0	0	0	0	0	19178	26987
62	45	0	0	0	0	0	0	0	0	19178	26314
63	46	0	0	0	0	0	0	0	0	19178	25688
64	47	0	0	0	0	0	0	0	0	19178	25032
TOTALS:		616481	57499	65227	124987	19283	62318	0	945787	483421	1171414

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Table I-45
USMC Enlisted Annualized Cost of Leaving (ACOL)

FILE: ACOLMATE PAGEIM A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * AGGREGATE * *

CURRENT								
YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

--- ACOL MATRIX ---

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
2	4832	4719	4431	4143	3861	3611	3360	2294
3	5346	5220	4899	4578	4257	3936	3654	2473
4	5909	5769	5412	5054	4696	4339	3981	2658
5	6477	6321	5922	5524	5125	4726	4327	2806
6	7076	6902	6457	6011	5565	5119	4673	2930
7	7710	7515	7015	6515	6016	5516	5016	3026
8	8450	8230	7668	7106	6544	5981	5419	3133
9	9375	9127	8491	7856	7220	6584	5949	4109
10	10100	9817	9094	8371	7648	6925	6202	3535
11	11059	10736	9907	9078	8249	7420	6592	3186
12	12319	11945	10986	10028	9069	8110	7152	3202
13	13985	13547	12425	11303	10181	9059	7937	3261
14	16116	15596	14263	12930	11596	10263	8930	3317
15	18985	18354	16738	15122	13505	11889	10273	3384
16	22912	22126	20112	18098	16084	14070	12056	3419
17	29092	28073	25460	22846	20233	17620	15007	3545
18	39498	38088	34474	30859	27245	23630	20016	3707
19	60481	58288	52666	47044	41422	35801	30179	3913
20	123155	118609	106955	95301	83647	71993	60339	4110
21	12538	12241	11234	10227	9220	8214	7207	4336
22	8992	10456	9595	8735	7874	7013	6152	4585
23	19438	14218	13102	11986	10870	9755	8639	4914
24	13922	14441	13345	12250	11154	10058	8962	5149
25	13136	16028	14805	13582	12359	11136	9913	5372
26	15496	13129	12215	11301	10387	9473	8558	5597
27	31816	20527	19104	17681	16258	14835	13412	6298
28	11522	19173	17864	16556	15247	13939	12630	6088
29	18616	17868	16675	15481	14287	13094	11900	5931
30	9867	10027	9592	9157	8722	8288	7853	5679
31	2214	2214	2558	2902	3246	3591	3935	5657
32	2063	2063	2414	2766	3118	3469	3821	5658
33	1913	1913	2269	2624	2980	3335	3691	5688
34	2167	2167	2526	2884	3242	3600	3959	5809
35	2275	2275	2635	2995	3354	3714	4073	5872

Table I-46
USMC Enlisted Pay Component of ACOL

FILE: ACOLMATE PAGF2M A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

--- ACOL PAY COMPONENT ---

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
2	1838	1838	1838	1838	2110	2110	2110	2294
3	2009	2009	2009	2009	2009	2009	2282	2473
4	2192	2192	2192	2192	2192	2192	2192	2658
5	2332	2332	2332	2332	2332	2332	2332	2806
6	2444	2444	2444	2444	2444	2444	2444	2930
7	2518	2518	2518	2518	2518	2518	2518	3026
8	2608	2608	2608	2608	2608	2608	2608	3133
9	2770	2770	2770	2770	2770	2770	2770	4109
10	2586	2586	2586	2586	2586	2586	2586	3535
11	2447	2447	2447	2447	2447	2447	2447	3186
12	2358	2358	2358	2358	2358	2358	2358	3202
13	2326	2326	2326	2326	2326	2326	2326	3261
14	2263	2263	2263	2263	2263	2263	2263	3317
15	2191	2191	2191	2191	2191	2191	2191	3384
16	1986	1986	1986	1986	1986	1986	1986	3419
17	1941	1941	1941	1941	1941	1941	1941	3545
18	1944	1944	1944	1944	1944	1944	1944	3707
19	2070	2070	2070	2070	2070	2070	2070	3913
20	2068	2068	2068	2068	2068	2068	2068	4110
21	2173	2173	2173	2173	2173	2173	2173	4336
22	2433	1848	1848	1848	1848	1848	1848	4585
23	3060	3060	3060	3060	3060	3060	3060	4914
24	3483	3483	3483	3483	3483	3483	3483	5149
25	3797	3797	3797	3797	3797	3797	3797	5372
26	5104	3988	3988	3988	3988	3988	3988	5597
27	6298	6298	6298	6298	6298	6298	6298	6298
28	6088	6088	6088	6088	6088	6088	6088	6088
29	5931	5931	5931	5931	5931	5931	5931	5931
30	5679	5679	5679	5679	5679	5679	5679	5679
31	5656	5656	5656	5656	5656	5656	5656	5657
32	5580	5580	5580	5580	5580	5580	5580	5658
33	5469	5469	5469	5469	5469	5469	5469	5688
34	5750	5750	5750	5750	5750	5750	5750	5809
35	5872	5872	5872	5872	5872	5872	5872	5872

Table I-47
USMC Enlisted Retirement Component of ACOL

FILE: ACOLMATE PAGE3M A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

--- ACOL RETIREMENT COMPONENT ---

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
2	2954	2881	2593	2305	1751	1500	1250	0
3	3336	3211	2890	2569	2248	1927	1372	0
4	3717	3577	3219	2862	2504	2146	1789	0
5	4145	3989	3590	3191	2792	2393	1995	0
6	4632	4458	4012	3566	3121	2675	2229	0
7	5192	4997	4497	3998	3496	2998	2498	0
8	5842	5622	5060	4498	3936	3373	2811	0
9	6605	6357	5721	5085	4450	3814	3178	0
10	7513	7231	6508	5785	5062	4339	3616	0
11	8612	8288	7459	6631	5802	4973	4144	0
12	9961	9587	8628	7670	6711	5752	4794	0
13	11659	11221	10099	8977	7855	6733	5611	0
14	13853	13333	12000	10667	9333	8000	6667	0
15	16794	16163	14547	12931	11314	9698	8082	0
16	20926	20140	18126	16112	14098	12084	10070	0
17	27151	26132	23519	20906	18292	15679	13066	0
18	37554	36144	32530	28915	25301	21686	18072	0
19	58411	56218	50596	44975	39353	33731	28109	0
20	121087	116541	104886	93232	81578	69924	58270	0
21	10365	10067	9061	8054	7047	6040	5034	0
22	8568	8608	7747	6886	6026	5165	4304	0
23	16378	11158	10042	8926	7810	6695	5579	0
24	10439	10959	9863	8767	7671	6575	5479	0
25	9339	12232	11009	9785	8562	7339	6116	0
26	10392	9141	8227	7313	6399	5485	4571	0
27	25518	14229	12806	11383	9960	8537	7114	0
28	5435	13685	11776	10468	9159	7851	6542	0
29	4684	11937	10743	9550	8356	7162	5969	0
30	4188	4348	3913	3478	3043	2609	2174	0
31	-3443	-3443	-3098	-2754	-2410	-2066	-1721	0
32	-3517	-3517	-3165	-2814	-2462	-2110	-1758	0
33	-3556	-3556	-3200	-2845	-2489	-2134	-1778	0
34	-3582	-3582	-3224	-2866	-2508	-2149	-1791	0
35	-3596	-3596	-3237	-2877	-2517	-2158	-1798	0

Table I-48
USMC Enlisted Force Structures

FILE: ACOLMATE PAGE4M A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** FORCE TABLE ***

CASE NO. :	BASE	1	2	3	4	5	6	7
YEAR OF SERVICE								
1	38804	39165	40203	41189	42121	42999	43817	46403
2	33531	33853	34750	35602	36408	37165	37872	40106
3	28861	26327	29063	29762	30422	31042	31620	33438
4	19962	20135	20571	20979	21358	21708	22029	22994
5	7887	7888	7856	7812	7758	7698	7615	7264
6	6109	6099	6038	5968	5891	5807	5718	5344
7	4990	4968	4880	4787	4688	4586	4481	4062
8	4098	4067	3958	3846	3730	3614	3497	3047
9	3442	3403	3279	3153	3027	2901	2776	2344
10	2907	2861	2725	2588	2453	2320	2191	1761
11	2500	2450	2302	2156	2014	1877	1745	1312
12	2294	2248	2087	1937	1791	1651	1518	1085
13	2119	2063	1903	1747	1596	1452	1315	876
14	2009	1950	1785	1623	1467	1318	1178	730
15	1919	1858	1687	1519	1356	1201	1056	621
16	1859	1796	1619	1444	1273	1111	959	495
17	1809	1742	1554	1366	1182	1005	841	373
18	1789	1721	1531	1340	1149	964	790	300
19	1772	1706	1517	1327	1137	952	776	254
20	1709	1645	1463	1280	1097	918	748	198
21	942	887	729	586	458	348	255	49
22	638	638	503	386	287	207	143	24
23	454	335	241	168	112	72	44	5
24	353	265	184	122	78	47	27	2
25	283	230	155	99	61	35	19	1
26	242	184	120	74	44	24	13	1
27	187	154	96	57	31	16	8	0
28	147	142	88	51	27	14	6	0
29	116	132	80	45	24	12	5	0
30	92	105	63	35	18	9	4	0
31	34	39	24	14	7	4	2	0
32	12	14	9	5	3	2	1	0
33	5	5	3	2	1	1	0	0
34	2	2	1	1	1	0	0	0
35	1	1	1	0	0	0	0	0
TTL INDSTRNGTH	173069	173069	173069	173069	173069	173069	173069	173069
EXP. SERV. LIFE	4	4	4	4	4	4	4	4

Table I-49
USMC Enlisted Reenlistment Rates

FILE: ACOLMATE PAGE5M A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** REENLISTMENT RATES ***

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.295	.291	.281	.272	.263	.255	.248	.217
3	.178	.175	.167	.160	.153	.147	.141	.119
4	.253	.249	.238	.228	.218	.208	.199	.167
5	.266	.261	.249	.237	.226	.215	.204	.167
6	.369	.362	.346	.330	.314	.299	.284	.230
7	.538	.530	.510	.490	.470	.450	.430	.353
8	.578	.570	.547	.525	.502	.479	.456	.367
9	.622	.613	.588	.563	.537	.512	.486	.412
10	.640	.630	.602	.574	.545	.516	.486	.381
11	.696	.685	.656	.625	.593	.560	.527	.390
12	.782	.771	.743	.712	.679	.645	.608	.456
13	.834	.824	.796	.765	.730	.693	.653	.469
14	.879	.870	.843	.813	.778	.738	.694	.478
15	.898	.888	.859	.824	.783	.735	.681	.412
16	.929	.920	.892	.857	.812	.757	.692	.367
17	.948	.938	.896	.850	.787	.708	.614	.199
18	.988	.985	.974	.954	.920	.865	.782	.283
19	1.000	.999	.999	.997	.991	.979	.949	.208
20	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.214
21	.551	.539	.498	.458	.418	.379	.341	.245
22	.689	.719	.690	.660	.628	.595	.561	.497
23	.728	.525	.480	.435	.391	.349	.309	.197
24	.778	.792	.761	.727	.691	.652	.610	.458
25	.802	.866	.841	.813	.781	.745	.706	.535
26	.855	.861	.776	.749	.720	.690	.657	.542
27	.978	.836	.802	.763	.719	.672	.618	.338
28	.783	.926	.910	.891	.869	.843	.812	.600
29	.798	.924	.909	.892	.872	.849	.822	.638
30	.793	.797	.786	.774	.761	.748	.735	.661
31	.367	.367	.380	.394	.407	.420	.434	.503
32	.367	.367	.381	.394	.408	.422	.436	.510
33	.367	.367	.381	.394	.408	.422	.436	.517
34	.367	.367	.381	.395	.409	.423	.437	.511
35	.367	.367	.381	.395	.409	.423	.437	.510

Table I-50
USMC Enlisted Continuation Rates

FILE: ACOLMATE PAGE6M A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 PAST YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * AGGREGATE * *

CURRENT								
YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** CONTINUATION RATES ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.864	.864	.864	.864	.864	.864	.864
3	.837	.837	.836	.836	.836	.835	.834
4	.711	.711	.708	.705	.702	.699	.697	.688
5	.395	.392	.382	.372	.363	.354	.346	.316
6	.775	.773	.769	.764	.759	.755	.751	.736
7	.817	.814	.808	.802	.796	.790	.784	.760
8	.821	.819	.811	.803	.796	.788	.780	.750
9	.840	.837	.828	.820	.811	.803	.794	.769
10	.845	.841	.831	.821	.810	.800	.789	.751
11	.860	.856	.845	.833	.821	.809	.796	.745
12	.917	.915	.907	.898	.889	.880	.870	.827
13	.924	.921	.912	.902	.891	.879	.866	.808
14	.948	.945	.938	.929	.919	.908	.895	.834
15	.955	.953	.945	.936	.924	.911	.897	.823
16	.969	.967	.960	.951	.939	.925	.909	.824
17	.973	.970	.960	.946	.928	.904	.876	.752
18	.989	.988	.985	.981	.973	.960	.940	.866
19	.991	.991	.991	.990	.989	.987	.982	.945
20	.964	.964	.964	.964	.964	.964	.964	.781
21	.551	.539	.498	.458	.418	.379	.341	.245
22	.669	.719	.698	.668	.628	.595	.561	.497
23	.728	.525	.480	.435	.391	.349	.309	.197
24	.778	.792	.761	.727	.691	.652	.610	.458
25	.802	.806	.841	.813	.781	.745	.706	.535
26	.855	.801	.776	.749	.720	.690	.657	.542
27	.775	.836	.802	.763	.719	.670	.618	.338
28	.783	.926	.910	.891	.869	.843	.812	.600
29	.798	.924	.909	.892	.872	.849	.822	.638
30	.793	.797	.786	.774	.761	.748	.735	.661
31	.367	.367	.380	.394	.407	.420	.434	.503
32	.367	.367	.381	.394	.408	.422	.436	.510
33	.367	.367	.381	.394	.408	.422	.436	.517
34	.367	.367	.381	.395	.409	.423	.437	.511
35	.367	.367	.381	.395	.409	.423	.437	.510

Table I-51
USMC Enlisted Survival Rates

FILE: ACOLMATE PAGE7M A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** SURVIVAL RATES ***

CASE NO.:	BASE	1	2	3	4	5	6	7
YEAR OF SERVICE								
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.864	.864	.864	.864	.864	.864	.864	.864
3	.723	.723	.723	.723	.722	.722	.722	.721
4	.514	.514	.512	.509	.507	.505	.503	.496
5	.203	.201	.195	.190	.184	.179	.174	.157
6	.157	.156	.150	.145	.140	.135	.130	.115
7	.129	.127	.121	.116	.111	.107	.102	.088
8	.106	.104	.098	.093	.089	.084	.080	.066
9	.089	.087	.082	.077	.072	.067	.063	.051
10	.075	.073	.068	.063	.058	.054	.050	.038
11	.064	.063	.057	.052	.048	.044	.040	.028
12	.059	.057	.052	.047	.043	.038	.035	.023
13	.055	.053	.047	.042	.038	.034	.030	.019
14	.052	.050	.044	.039	.035	.031	.027	.016
15	.049	.047	.042	.037	.032	.028	.024	.013
16	.048	.046	.040	.035	.030	.026	.022	.011
17	.047	.044	.039	.033	.028	.023	.019	.008
18	.046	.044	.038	.033	.027	.022	.018	.006
19	.046	.044	.038	.032	.027	.022	.018	.005
20	.044	.042	.036	.031	.026	.021	.017	.004
21	.024	.023	.018	.014	.011	.008	.006	.001
22	.016	.016	.013	.009	.007	.005	.003	.001
23	.012	.009	.006	.004	.003	.002	.001	.000
24	.009	.007	.005	.003	.002	.001	.001	.000
25	.007	.006	.004	.002	.001	.001	.000	.000
26	.006	.005	.003	.002	.001	.001	.000	.000
27	.005	.004	.002	.001	.001	.000	.000	.000
28	.004	.004	.002	.001	.001	.000	.000	.000
29	.003	.003	.002	.001	.001	.000	.000	.000
30	.002	.003	.002	.001	.000	.000	.000	.000
31	.001	.001	.001	.000	.000	.000	.000	.000
32	.000	.000	.000	.000	.000	.000	.000	.000
33	.000	.000	.000	.000	.000	.000	.000	.000
34	.000	.000	.000	.000	.000	.000	.000	.000
35	.000	.000	.000	.000	.000	.000	.000	.000

Table I-52
USMC Present Value Gap

FILE: ME10 PVGAPM A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.999162	.999162	.999162	.999162	.999162	.999162	.999162	.999162
INLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** 1: PRESENT VALUE GAP 2: YR PV MAX ***

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
2	47848	-1695	-5989	-6786	-5435	-6268	-9885	-19716
2	19	19	19	19	28	28	28	34
3	52268	-1225	-4365	-7584	-10644	-13784	-18166	-22663
3	18	18	18	18	18	18	27	33
4	57288	-1351	-4814	-8277	-11740	-15263	-18667	-24335
4	17	17	17	17	17	17	17	32
5	61573	-1479	-5271	-9064	-12850	-16648	-20449	-26647
5	16	16	16	16	16	16	16	31
6	65611	-1612	-5746	-9879	-14013	-18146	-22279	-29045
6	15	15	15	15	15	15	15	30
7	69321	-1755	-6246	-10739	-15232	-19725	-24218	-31572
7	14	14	14	14	14	14	14	29
8	73130	-1898	-6764	-11636	-16496	-21362	-26228	-34192
8	13	13	13	13	13	13	13	28
9	77365	-2058	-7365	-12669	-17816	-23071	-28326	-73396
9	12	12	12	12	12	12	12	1
10	79194	-2212	-7882	-13553	-19223	-24893	-30564	-75668
10	11	11	11	11	11	11	11	1
11	81637	-2387	-8505	-14623	-20742	-26860	-32978	-42993
11	10	10	10	10	10	10	10	25
12	84593	-2568	-9151	-15735	-22318	-28901	-35485	-46269
12	9	9	9	9	9	9	9	24
13	88283	-2763	-9847	-16931	-24014	-31098	-38182	-49776
13	8	8	8	8	8	8	8	23
14	92944	-2971	-10586	-18208	-25815	-33430	-41045	-53589
14	7	7	7	7	7	7	7	22
15	96149	-3193	-11379	-19565	-27752	-35938	-44124	-57523
15	6	6	6	6	6	6	6	21
16	99923	-3427	-12218	-20994	-29777	-38561	-47345	-61722
16	5	5	5	5	5	5	5	20
17	103823	-3686	-13114	-22547	-31981	-41415	-50849	-66269
17	4	4	4	4	4	4	4	19
18	110615	-3949	-14071	-24193	-34316	-44438	-54560	-71128
18	3	3	3	3	3	3	3	18
19	116847	-4237	-15098	-25959	-36821	-47682	-58543	-76321
19	2	2	2	2	2	2	2	17
20	123155	-4546	-16208	-27854	-39508	-51162	-62817	-81892
20	1	1	1	1	1	1	1	16
21	12536	-297	-1364	-2311	-3317	-4324	-5331	29479
21	1	1	1	1	1	1	1	15

Table I-52 (Con't)
USMC Present Value Gap

FILE: MEIG PVGAPM A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

22	17381	-6925	-7786	-8646	-9507	-10368	-11229	25291
22	2	1	1	1	1	1	1	14
23	19438	-5226	-6336	-7452	-8568	-9683	-10799	24326
23	1	1	1	1	1	1	1	13
24	13922	526	-575	-1672	-2768	-3864	-4960	29713
24	1	1	1	1	1	1	1	12
25	15136	2892	1669	446	-777	-2000	-3223	29826
25	1	1	1	1	1	1	1	11
26	29978	-16849	-17763	-18677	-19591	-20506	-21420	12298
26	2	1	1	1	1	1	1	10
27	31816	-11289	-12712	-14135	-15558	-16981	-18404	-25518
27	1	1	1	1	1	1	1	1
28	11522	7658	6342	5633	3725	2416	1108	-5435
28	1	1	1	1	1	1	1	1
29	18618	7253	6059	4865	3672	2478	1284	-4884
29	1	1	1	1	1	1	1	1
30	9867	168	-275	-718	-1145	-1579	-2014	-4188
30	1	1	1	1	1	1	1	1
31	2214	0	344	689	1033	1377	1721	22687
31	1	1	1	1	1	1	1	5
32	2803	0	352	703	1055	1407	1758	18443
32	1	1	1	1	1	1	1	4
33	1913	0	356	711	1067	1422	1778	14956
33	1	1	1	1	1	1	1	3
34	2167	0	358	716	1075	1433	1791	9978
34	1	1	1	1	1	1	1	2
35	2278	0	360	719	1079	1438	1798	3596
35	1	1	1	1	1	1	1	1

Table I-53
USMC High-3 Force Grade Table

FILE: ME10IG HI3M A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
USMC10 ACOL VEST=20;AAU=36;MULT=.025;HI AVG=3;DEC=Y;CHPAY=N;DUAL TRK=N;BETA= .000162;ENLOSS= .00;INC COLA=N

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	0	0	39165	0	0	0	0	0	0	39165	5312	.136	.864	1.000
2	0	0	26426	5445	0	0	0	0	0	33853	5526	.163	.837	.864
3	0	0	13366	15241	0	0	0	0	0	28327	6192	.289	.711	.723
4	0	0	6392	13021	812	0	0	0	0	20135	12247	.608	.392	.514
5	0	0	2289	2797	2082	0	0	0	0	7868	1789	.227	.773	.201
6	0	0	1176	159	4764	0	0	0	0	6099	1132	.186	.814	.156
7	0	0	619	68	4089	0	0	0	0	4968	981	.181	.819	.127
8	0	0	636	39	2334	1058	0	0	0	4067	664	.163	.837	.104
9	0	0	0	48	787	2576	0	0	0	3403	562	.159	.841	.087
10	0	0	0	0	144	2717	0	0	0	2861	412	.144	.856	.073
11	0	0	0	0	25	2424	0	0	0	2450	289	.085	.915	.063
12	0	0	0	0	0	1753	487	0	0	2240	177	.079	.921	.057
13	0	0	0	0	0	804	1259	0	0	2063	113	.055	.945	.053
14	0	0	0	0	0	172	1778	0	0	1950	92	.047	.953	.050
15	0	0	0	0	0	0	1858	0	0	1858	62	.033	.967	.047
16	0	0	0	0	0	0	1795	1	0	1796	54	.030	.970	.046
17	0	0	0	0	0	0	1555	186	0	1742	21	.012	.988	.044
18	0	0	0	0	0	0	1171	551	0	1721	16	.009	.991	.044
19	0	0	0	0	0	0	706	1080	0	1786	61	.036	.964	.044
20	0	0	0	0	0	0	234	1411	0	1645	758	.461	.539	.042
21	0	0	0	0	0	0	3	867	17	887	249	.281	.719	.023
22	0	0	0	0	0	0	0	575	63	638	303	.475	.525	.016
23	0	0	0	0	0	0	0	251	84	335	78	.288	.712	.009
24	0	0	0	0	0	0	0	128	137	265	35	.134	.866	.007
25	0	0	0	0	0	0	0	65	164	230	46	.199	.801	.006
26	0	0	0	0	0	0	0	23	161	184	30	.164	.836	.005
27	0	0	0	0	0	0	0	3	151	154	11	.074	.926	.004
28	0	0	0	0	0	0	0	0	142	142	11	.076	.924	.004
29	0	0	0	0	0	0	0	0	132	132	27	.203	.797	.003
30	0	0	0	0	0	0	0	0	105	105	66	.633	.367	.003
31	0	0	0	0	0	0	0	0	39	39	24	.633	.367	.001
32	0	0	0	0	0	0	0	0	14	14	9	.633	.367	.000
33	0	0	0	0	0	0	0	0	5	5	3	.633	.367	.000
34	0	0	0	0	0	0	0	0	2	2	1	.633	.367	.000
35	0	0	0	0	0	0	0	0	1	1	1	1.000	.000	.000
TOTAL	0	0	91881	36882	15757	11585	10844	5863	1216	173969	39165	.259	.741	4.419
PERCENT	0	0	53	21	9	7	6	3	1	100				
CEILING	47	47	47	22	16	8	5	2	1	0				

Table I-54
USMC 30% Decrement to Multiplier
Force Grade Table

FILE: PRICFG SCREEN A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED PER 10 * * AGGREGATE * *
CURRENT
USMC10 ACOL YFST=20;ANN=30;MULT=.025;EI AVG=3;EPC=Y;CMPAY=N;EQUAL TSK=N;BETA= .000162;ENLOSS= .00;INC COLA=N

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	0	0	42121	0	0	0	0	0	0	42121	5714	.136	.864	1.000
2	0	0	36552	5856	0	0	0	0	0	36408	5986	.164	.836	.864
3	0	0	14854	16368	0	0	0	0	0	30422	9064	.298	.702	.722
4	0	0	6685	13812	861	0	0	0	0	21358	13662	.637	.363	.507
5	0	0	2251	2750	2755	0	0	0	0	7756	1865	.241	.759	.184
6	0	0	1136	154	4601	0	0	0	0	5891	1282	.284	.796	.140
7	0	0	773	56	3859	0	0	0	0	4688	958	.284	.796	.111
8	0	0	583	36	2141	971	0	0	0	3730	784	.189	.811	.089
9	0	0	0	36	788	2291	0	0	0	3027	574	.190	.810	.072
10	0	0	0	0	123	2329	0	0	0	2453	438	.179	.821	.058
11	0	2	0	0	21	1993	0	0	0	2014	223	.111	.889	.048
12	0	0	0	0	0	1402	389	0	0	1791	195	.109	.891	.043
13	0	0	0	0	0	622	974	0	0	1596	129	.081	.919	.038
14	0	0	0	0	0	130	1337	0	0	1467	111	.076	.924	.035
15	0	0	0	0	0	0	1356	0	0	1356	83	.061	.939	.032
16	0	0	0	0	0	0	1272	1	0	1273	92	.072	.928	.030
17	0	0	0	0	0	0	1054	127	0	1182	32	.027	.973	.028
18	0	0	0	0	0	0	782	368	0	1149	12	.011	.989	.027
19	0	0	0	0	0	0	470	667	0	1137	48	.036	.964	.027
20	0	0	0	0	0	0	156	941	0	1097	639	.582	.418	.026
21	0	0	0	0	0	0	1	448	9	458	171	.372	.628	.011
22	0	0	0	0	0	0	0	259	28	287	175	.609	.391	.007
23	0	0	0	0	0	0	0	84	28	112	35	.309	.691	.003
24	0	0	0	0	0	0	0	37	40	78	17	.219	.781	.002
25	0	0	0	0	0	0	0	17	43	61	17	.280	.720	.001
26	0	0	0	0	0	0	0	5	38	44	12	.281	.719	.001
27	0	0	0	0	0	0	0	1	31	31	4	.131	.869	.001
28	0	0	0	0	0	0	0	0	27	27	3	.128	.872	.001
29	0	0	0	0	0	0	0	0	24	24	6	.239	.761	.001
30	0	0	0	0	0	0	0	0	18	18	11	.593	.407	.000
31	0	0	0	0	0	0	0	0	7	7	4	.592	.408	.000
32	0	0	0	0	0	0	0	0	3	3	2	.592	.408	.000
33	0	0	0	0	0	0	0	0	1	1	1	.591	.409	.000
34	0	0	0	0	0	0	0	0	1	1	0	.591	.409	.000
35	0	0	0	0	0	0	0	0	0	0	0	1.000	.000	.000
TOTAL	0	0	98154	39067	15962	9738	7753	2956	299	173869	42121	.290	.710	4.109
PERCENT	0	0	57	23	9	6	5	2	0	100				
CEILING	47	47	47	22	16	8	5	2	1	0				

Table I-55
USMC Cost Summary

FILE: COST10ME COSTM A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOI OUTPUT DATE OF RUN: 11/21/83 17:15:39 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.999162	.999162	.999162	.999162	.999162	.999162	.999162	.999162
INLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** SUMMARY TABLE : MILITARY PAY (MIL'S) FOR YEAR 81 ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1 - 4 YEARS 1533.22	1547.49	1586.86	1624.16	1659.30	1692.38	1722.98	1819.68
5 - 10 YEARS 526.52	524.61	513.35	502.14	496.50	478.57	466.46	420.51
11 - 20 YEARS 476.45	461.62	419.62	377.86	336.93	297.51	268.32	145.65
21 - 30 YEARS 101.17	98.03	65.69	46.82	32.61	22.20	14.75	2.27
MORE THAN 30 Y 1.78	2.83	1.28	.76	.41	.21	.10	.00
** TOTAL ** 2639.54	2625.17	2586.79	2551.73	2519.78	2490.79	2464.60	2387.51

*** MILITARY PAY (MIL'S) FOR YEAR 81, BY SOURCE ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
BASE PAY 1678.55	1668.17	1640.81	1616.10	1594.08	1574.28	1556.63	1585.94
BAS 284.32	284.32	284.32	284.32	284.32	284.32	284.32	284.32
VHA 231.23	230.23	227.41	224.72	222.18	219.79	217.56	218.53
BAQ 397.79	395.75	390.31	385.28	380.64	376.40	372.54	361.93
S+I 47.65	46.69	43.95	41.22	38.56	36.00	33.56	25.79
XMAS BONUS .00	.00	.00	.00	.00	.00	.00	.00
TOTAL 2639.54	2625.17	2586.79	2551.73	2519.78	2490.79	2464.60	2387.51

*** SUMMARY TABLE : RETIREMENT (MIL'S) FOR YEAR 81 ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1 - 4 YEARS 31.65	30.83	28.72	26.36	23.77	20.94	17.91	.00
5 - 10 YEARS 19.66	19.33	17.81	16.15	14.37	12.50	10.54	.00
11 - 20 YEARS 230.86	219.39	192.87	162.81	132.62	103.24	75.97	.00
21 - 30 YEARS 362.50	316.86	231.82	164.44	112.81	72.37	44.11	.00
MORE THAN 30 Y 15.71	17.61	9.25	5.11	2.39	1.01	.38	.00
** TOTAL ** 647.78	598.32	479.57	374.86	285.16	210.06	148.90	.00

TAX ADV(MIL'S): 181.28 180.33 177.87 175.07 173.78 171.95 170.40 165.9

-> -> -> -> TOTAL COST (MIL'S) FOR YEAR 81

MILITARY	2639.54	2625.17	2586.79	2551.73	2519.78	2490.79	2464.60	2387.51
RETIREMENT	647.78	598.32	479.57	374.86	285.16	210.06	148.90	.00
DEATH BEN.	.46	.45	.44	.43	.41	.41	.40	.38
** TOTAL *	3287.78	3223.94	3066.80	2927.02	2805.35	2701.26	2613.91	2387.89

Table I-56

Air Force Enlisted Military Versus Civilian Income Streams

* * * * * INCOME STREAMS: MILITARY PAY * * * * * *

SCENARIO NO. 0 0 : PASICASE

AGE	(LOS)	BASE	BAS	VHA	BAQ	SIPAY	TAXES	XBONUS	MILPAY	ANNUITY	CITW
18	1	7711	1643	268	1887	15	871	0	12395	0	12476
19	2	7728	1643	268	1937	32	876	0	12484	0	13197
20	3	8412	1643	265	2188	49	943	0	13501	0	13934
21	4	9286	1643	283	2398	228	1011	0	14761	0	14685
22	5	10125	1643	319	2668	761	1073	0	16582	0	15449
23	6	10239	1643	335	2803	648	1098	0	16765	0	16223
24	7	10938	1643	347	2882	657	1117	0	17585	0	17065
25	8	11184	1643	363	2953	489	1143	0	17695	0	17792
26	9	11688	1643	388	3038	598	1178	0	18589	0	18581
27	10	11896	1643	397	3108	657	1198	0	18998	0	19378
28	11	12497	1643	409	3165	649	1217	0	19571	0	20156
29	12	12692	1643	426	3218	483	1247	0	19629	0	20935
30	13	13494	1643	446	3268	451	1285	0	20584	0	21785
31	14	13755	1643	470	3339	252	1323	0	20782	0	22462
32	15	14472	1643	493	3481	248	1363	0	21628	0	23263
33	16	14774	1643	516	3457	193	1403	0	21987	0	23925
34	17	15507	1643	538	3496	194	1447	0	22825	0	24625
35	18	15888	1643	557	3548	181	1492	0	23229	0	25299
36	19	16460	1643	574	3681	164	1535	0	23976	0	25944
37	20	16715	1643	585	3643	168	1575	0	24322	8357	26556
38	21	17568	1643	612	3758	156	1676	0	25432	8237	27134
39	22	18188	1643	628	3832	149	1775	0	26285	8999	27674
40	23	19925	1643	646	3942	172	1889	0	28217	11457	28173
41	24	20766	1643	664	4016	181	2023	0	29292	12460	28629
42	25	21257	1643	669	4087	156	2128	0	29912	13286	29039
43	26	21551	1643	671	4135	166	2179	0	30345	14988	29401
44	27	24698	1643	683	4256	124	2344	0	33746	16678	29714
45	28	25955	1643	686	4296	166	2416	0	34262	17539	29975
46	29	25486	1643	689	4355	164	2507	0	34844	18477	30184
47	30	25568	1643	689	4369	254	2523	0	35038	19178	30338
48	31	25568	1643	689	4351	254	2523	0	35026	19178	30438
49	32	25568	1643	689	4498	254	2523	0	35076	19178	30482
50	33	25568	1643	689	4424	254	2523	0	35093	19178	30471
51	34	25568	1643	689	4424	254	2523	0	35093	19178	30405
52	35	25568	1643	689	4424	254	2523	0	35093	19178	30283
53	36	0	0	0	0	0	0	0	0	19178	30166
54	37	0	0	0	0	0	0	0	0	19178	29877
55	38	0	0	0	0	0	0	0	0	19178	29595
56	39	0	0	0	0	0	0	0	0	19178	29262
57	40	0	0	0	0	0	0	0	0	19178	28888
58	41	0	0	0	0	0	0	0	0	19178	28451
59	42	0	0	0	0	0	0	0	0	19178	27978
60	43	0	0	0	0	0	0	0	0	19178	27462
61	44	0	0	0	0	0	0	0	0	19178	26907
62	45	0	0	0	0	0	0	0	0	19178	26314
63	46	0	0	0	0	0	0	0	0	19178	25688
64	47	0	0	0	0	0	0	0	0	19178	25032
TOTALS:		593885	57499	18321	123853	9963	58449	0	866378	476556	1171414

Table I-57

Air Force Enlisted Military Versus Civilian Income Streams

FILE: ACOLMATE PAGE1F A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:24:45 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** ACOL MATRIX ***

CASE NO. :	BASE	1	2	3	4	5	6	7
YEAR OF SERVICE								
2	2292	2149	1903	1658	1412	1167	921	112
3	2592	2431	2157	1888	1619	1349	1080	332
4	2888	2757	2432	2108	1813	1518	1223	580
5	3162	3066	2703	2348	1977	1655	1332	1132
6	3390	3294	2888	2482	2077	1704	1350	561
7	3734	3626	3171	2717	2262	1814	1427	581
8	4129	4007	3496	2984	2473	1961	1508	-85
9	4681	4543	3965	3387	2808	2230	1663	-72
10	5335	5179	4521	3863	3205	2547	1889	-169
11	6183	6004	5250	4496	3742	2987	2233	-142
12	7244	7037	6164	5292	4420	3547	2675	-102
13	8701	8459	7438	6417	5396	4375	3354	7
14	10550	10262	9049	7835	6622	5409	4196	112
15	13146	12797	11326	9855	8384	6913	5443	288
16	16769	16334	14502	12669	10837	9004	7171	459
17	22335	21771	19393	17015	14637	12260	9882	695
18	31583	30802	27513	24224	20935	17646	14357	946
19	50275	49058	43943	38827	33712	28596	23481	1259
20	106326	103800	93205	82609	71996	61392	50787	1684
21	8701	6676	5838	5000	4163	3325	2487	2028
22	7699	7008	6160	5312	4465	3617	2842	2458
23	17360	12271	11048	9825	8603	7380	6157	2930
24	11572	12080	11658	10436	9215	7993	6772	3295
25	9511	13385	12134	10883	9632	8381	7129	3647
26	14673	9565	8703	7841	6979	6117	5447	4044
27	34107	19868	17564	16061	14557	13053	11550	4526
28	12095	19239	17743	16248	14753	13258	11762	4682
29	12928	26209	18654	17099	15544	13989	12434	4679
30	9520	11315	10653	9992	9330	8669	8007	4720
31	1140	2687	2804	3002	3199	3397	3594	4652
32	1077	1289	1619	1950	2280	2611	2941	4673
33	1066	1066	1421	1777	2133	2488	2844	4703
34	1106	1106	1464	1823	2181	2539	2897	4747
35	1214	1214	1574	1933	2293	2653	3012	4810

Table I-58
Air Force Enlisted Pay Component of ACOL

FILE: ACOLMATF PAGE2F A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:24:45 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 18 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
INLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** ACOL PAY COMPONENT ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
2	-423	-387	-387	-387	-387	-387	-387	112
3	-394	-491	-267	-267	-267	-267	-267	332
4	-398	-498	-498	-252	-252	-252	-252	586
5	-436	-564	-564	-564	-282	-282	-282	1132
6	-763	-763	-763	-763	-763	-416	-416	561
7	-921	-921	-921	-921	-921	-586	-586	581
8	-1189	-1189	-1189	-1189	-1189	-1189	-618	-85
9	-1241	-1241	-1241	-1241	-1241	-1241	-659	-72
10	-1491	-1491	-1491	-1491	-1491	-1491	-1491	-169
11	-1536	-1536	-1536	-1536	-1536	-1536	-1536	-142
12	-1687	-1687	-1687	-1687	-1687	-1687	-1687	-182
13	-1752	-1752	-1752	-1752	-1752	-1752	-1752	7
14	-1871	-1871	-1871	-1871	-1871	-1871	-1871	112
15	-1911	-1911	-1911	-1911	-1911	-1911	-1911	280
16	-1992	-1992	-1992	-1992	-1992	-1992	-1992	459
17	-2087	-2087	-2087	-2087	-2087	-2087	-2087	695
18	-2087	-2087	-2087	-2087	-2087	-2087	-2087	946
19	-2096	-2096	-2096	-2096	-2096	-2096	-2096	1259
20	-2235	-2235	-2235	-2235	-2235	-2235	-2235	1684
21	-1782	-1782	-1782	-1782	-1782	-1782	-1782	2028
22	-739	-1469	-1469	-1469	-1469	-1469	1438	2458
23	44	44	44	44	44	44	44	2938
24	663	663	663	663	663	663	663	3295
25	873	873	873	873	873	873	873	3647
26	2436	944	944	944	944	944	2436	4044
27	4032	4032	4032	4032	4032	4032	4032	4528
28	4286	4286	4286	4286	4286	4286	4286	4682
29	4669	4669	4669	4669	4669	4669	4669	4670
30	4788	4788	4788	4788	4788	4788	4788	4788
31	4582	4582	4582	4582	4582	4582	4582	4652
32	4594	4594	4594	4594	4594	4594	4594	4673
33	4622	4622	4622	4622	4622	4622	4622	4703
34	4689	4689	4689	4689	4689	4689	4689	4747
35	4818	4818	4818	4818	4818	4818	4818	4818

Table I-59
Air Force Enlisted Retirement Component of ACOL

FILE: ACOLMATE PAGE3F A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:24:45 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** ACOL RETIREMENT COMPONENT ***

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
2	2715	2456	2210	1964	1719	1473	1228	0
3	2965	2922	2425	2155	1886	1616	1347	0
4	3278	3255	2929	2360	2065	1770	1475	0
5	3597	3630	3267	2904	2266	1937	1614	0
6	4153	4056	3651	3245	2840	2119	1766	0
7	4655	4547	4092	3637	3183	2320	1933	0
8	5237	5116	4604	4093	3581	3069	2118	0
9	5921	5784	5206	4627	4049	3472	2322	0
10	6736	6580	5922	5264	4606	3948	3290	0
11	7721	7542	6788	6033	5279	4525	3771	0
12	8931	8724	7851	6979	6106	5234	4362	0
13	10453	10210	9189	8168	7147	6126	5105	0
14	12420	12132	10919	9706	8493	7279	6066	0
15	15057	14708	13237	11766	10295	8825	7354	0
16	18761	18326	16493	14661	12828	10996	9163	0
17	24343	23778	21400	19023	16645	14267	11889	0
18	33669	32889	29600	26311	23022	19733	16444	0
19	52369	51155	46039	40924	35808	30693	25577	0
20	108531	106044	95439	84835	74231	63626	53022	0
21	10403	8378	7540	6703	5865	5027	4189	0
22	8438	8476	7629	6781	5933	5086	1403	0
23	17316	12227	11004	9781	8559	7336	6113	0
24	10908	12216	10995	9773	8551	7330	6108	0
25	8637	12512	11261	10010	8758	7507	6256	0
26	12237	8621	7756	6897	6035	5173	3011	0
27	30075	15036	13532	12029	10525	9021	7518	0
28	7809	14952	13457	11962	10467	8971	7476	0
29	8268	15549	13994	12439	10884	9329	7774	0
30	4820	6615	5953	5292	4630	3969	3307	0
31	-3443	-1975	-1778	-1580	-1383	-1185	-988	0
32	-3517	-3306	-2975	-2644	-2314	-1983	-1653	0
33	-3556	-3556	-3200	-2845	-2489	-2134	-1778	0
34	-3582	-3582	-3224	-2866	-2508	-2149	-1791	0
35	-3596	-3596	-3237	-2877	-2517	-2158	-1798	0

Table I-60
Air Force Enlisted Force Structures

FILE: ACOLMATE PAGE4F A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:24:45 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** FORCE TABLE ***

CASE NO. :	BASE	1	2	3	4	5	6	7
YEAR OF SERVICE								
1	70047	71028	72834	74592	76310	77931	79495	83286
2	62058	62933	64534	66091	67613	69049	70435	73792
3	55012	55822	57241	58622	59972	61245	62474	65452
4	48011	48729	49966	51171	52347	53457	54529	57124
5	25485	25775	26031	26259	26466	26675	26860	27918
6	21846	22077	22224	22347	22450	22562	22656	23407
7	18729	18909	18956	18982	18992	19010	19025	19514
8	16414	16556	16519	16463	16393	16330	16274	16447
9	14186	14284	14145	13990	13822	13661	13567	13327
10	13135	13215	13037	12843	12637	12438	12247	11926
11	12426	12495	12289	12068	11836	11610	11391	10966
12	11748	11801	11553	11288	11011	10737	10469	9856
13	11221	11259	10962	10645	10310	9975	9640	8756
14	10965	10998	10667	10354	10002	9648	9292	8321
15	10786	10816	10499	10158	9798	9432	9065	8033
16	10639	10665	10338	9983	9605	9217	8823	7642
17	10524	10545	10194	9806	9382	8932	8455	6690
18	10459	10479	10128	9739	9312	8856	8388	6472
19	10408	10428	10079	9691	9266	8811	8324	6367
20	10358	10379	10031	9645	9221	8769	8284	6160
21	5889	5954	4546	4049	3570	3118	2693	1903
22	4079	3378	2896	2449	2141	1878	1363	934
23	3039	1897	1484	1134	846	616	440	286
24	2094	1390	1027	735	500	341	222	75
25	1683	1238	886	615	411	264	163	46
26	1439	886	612	406	258	157	93	24
27	807	487	290	174	96	49	25	2
28	559	427	254	142	74	36	17	1
29	314	344	194	102	49	22	9	0
30	216	257	141	72	33	14	6	0
31	55	77	43	22	11	5	2	0
32	14	20	12	6	3	1	1	0
33	4	5	3	2	1	0	0	0
34	1	1	1	0	0	0	0	0
35	0	0	0	0	0	0	0	0
TTL ENDSTRENGTH	474646	474646	474646	474646	474646	474646	474646	474646
EXP. SERV. LIFE	7	7	7	6	6	6	6	6

Table I-61
Air Force Enlisted Reenlistment Rates

FILE: ACOLMATE PAGE5Y A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:24:45 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
INLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** REENLISTMENT RATES ***

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.108	.106	.102	.099	.095	.092	.088	.078
3	.875	.873	.870	.867	.865	.862	.859	.853
4	.448	.443	.430	.417	.405	.394	.382	.358
5	.311	.308	.296	.283	.272	.261	.251	.245
6	.437	.433	.417	.401	.385	.371	.358	.329
7	.458	.445	.427	.409	.392	.374	.360	.329
8	.556	.552	.531	.510	.496	.469	.451	.388
9	.604	.599	.576	.553	.538	.506	.483	.414
10	.648	.642	.617	.591	.565	.539	.512	.438
11	.721	.716	.690	.663	.636	.607	.577	.482
12	.820	.815	.792	.768	.742	.714	.684	.580
13	.896	.893	.876	.856	.835	.811	.784	.679
14	.903	.899	.879	.857	.831	.802	.769	.631
15	.932	.929	.911	.890	.864	.834	.798	.631
16	.964	.961	.948	.932	.910	.883	.848	.653
17	.985	.984	.976	.966	.950	.928	.898	.666
18	.997	.996	.994	.989	.981	.969	.948	.675
19	1.000	1.000	1.000	.999	.998	.995	.988	.686
20	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.698
21	.569	.487	.453	.420	.387	.356	.325	.309
22	.693	.668	.637	.605	.572	.538	.506	.491
23	.745	.562	.513	.463	.414	.367	.323	.220
24	.669	.732	.692	.648	.602	.554	.504	.367
25	.804	.885	.863	.837	.807	.774	.736	.613
26	.855	.728	.691	.651	.629	.596	.569	.513
27	.933	.549	.489	.428	.370	.315	.265	.184
28	.693	.878	.849	.816	.778	.732	.682	.462
29	.562	.806	.764	.716	.662	.603	.542	.252
30	.688	.747	.726	.704	.681	.658	.633	.503
31	.255	.301	.308	.314	.321	.328	.335	.375
32	.253	.268	.278	.281	.292	.303	.314	.378
33	.253	.253	.264	.276	.287	.299	.311	.379
34	.253	.253	.264	.276	.288	.300	.312	.380
35	.253	.253	.264	.276	.288	.300	.312	.378

Table I-62
Air Force Enlisted Continuation Rates

FILE: ACOLMATE PAGECF A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:24:45 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

--- CONTINUATION RATES ---

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.886	.886	.886	.886	.886	.886	.886	.886
3	.887	.887	.887	.887	.887	.887	.887	.887
4	.873	.873	.873	.873	.873	.873	.873	.873
5	.531	.529	.521	.513	.506	.499	.493	.489
6	.857	.857	.854	.851	.848	.846	.843	.838
7	.857	.856	.853	.849	.846	.843	.840	.834
8	.876	.876	.871	.867	.863	.859	.855	.843
9	.864	.863	.856	.850	.843	.837	.830	.810
10	.926	.925	.922	.918	.914	.911	.907	.895
11	.946	.945	.943	.940	.937	.933	.930	.919
12	.945	.944	.940	.935	.930	.925	.919	.899
13	.955	.954	.949	.943	.936	.929	.921	.888
14	.977	.977	.975	.973	.970	.967	.964	.950
15	.984	.983	.982	.981	.980	.978	.975	.965
16	.986	.986	.985	.983	.980	.977	.973	.951
17	.989	.989	.986	.982	.977	.969	.958	.876
18	.994	.994	.994	.993	.993	.991	.990	.967
19	.995	.995	.995	.995	.995	.995	.995	.984
20	.995	.995	.995	.995	.995	.995	.995	.967
21	.569	.487	.453	.420	.387	.356	.325	.309
22	.693	.668	.637	.605	.572	.538	.506	.491
23	.745	.562	.513	.463	.414	.367	.323	.220
24	.669	.732	.692	.648	.602	.554	.504	.367
25	.804	.865	.863	.837	.807	.774	.736	.613
26	.855	.720	.691	.661	.629	.596	.569	.513
27	.561	.549	.489	.428	.370	.315	.265	.104
28	.693	.678	.649	.816	.776	.732	.682	.402
29	.562	.806	.764	.716	.662	.603	.542	.252
30	.688	.747	.726	.704	.681	.658	.633	.503
31	.253	.301	.308	.314	.321	.328	.335	.375
32	.253	.260	.270	.281	.292	.303	.314	.378
33	.253	.253	.264	.276	.287	.299	.311	.379
34	.253	.253	.264	.276	.288	.300	.312	.380
35	.253	.253	.264	.276	.288	.300	.312	.378

Table I-63
Air Force Enlisted Survival Rates

FILE: ACOLMATE PAGE7F A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:24:45 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

=== SURVIVAL RATES ===

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.886	.886	.886	.886	.886	.886	.886
3	.785	.786	.786	.786	.786	.786	.786
4	.685	.686	.686	.686	.686	.686	.686
5	.364	.363	.357	.352	.347	.342	.338	.335
6	.312	.311	.305	.300	.294	.290	.285	.281
7	.267	.266	.260	.254	.249	.244	.239	.234
8	.234	.233	.227	.221	.215	.210	.205	.197
9	.203	.201	.194	.188	.181	.175	.170	.160
10	.188	.186	.179	.172	.166	.160	.154	.143
11	.177	.176	.169	.162	.155	.149	.143	.132
12	.168	.166	.159	.151	.144	.138	.132	.118
13	.160	.159	.151	.143	.135	.128	.121	.105
14	.157	.155	.147	.139	.131	.124	.117	.100
15	.154	.152	.144	.136	.128	.121	.114	.098
16	.152	.150	.142	.134	.126	.118	.111	.092
17	.150	.148	.140	.131	.123	.115	.106	.080
18	.149	.148	.139	.131	.122	.114	.105	.078
19	.149	.147	.138	.130	.121	.113	.105	.076
20	.148	.146	.138	.129	.121	.113	.104	.074
21	.064	.071	.062	.054	.047	.040	.034	.023
22	.058	.048	.040	.033	.027	.022	.017	.011
23	.043	.027	.020	.015	.011	.008	.006	.002
24	.030	.020	.014	.010	.007	.004	.003	.001
25	.024	.017	.012	.008	.005	.003	.002	.001
26	.021	.012	.008	.005	.003	.002	.001	.000
27	.012	.007	.004	.002	.001	.001	.000	.000
28	.008	.005	.003	.002	.001	.000	.000	.000
29	.004	.005	.003	.001	.001	.000	.000	.000
30	.003	.004	.002	.001	.000	.000	.000	.000
31	.001	.001	.001	.000	.000	.000	.000	.000
32	.000	.000	.000	.000	.000	.000	.000	.000
33	.000	.000	.000	.000	.000	.000	.000	.000
34	.000	.000	.000	.000	.000	.000	.000	.000
35	.000	.000	.000	.000	.000	.000	.000	.000

Table I-64
USAF Present Value Gap

FILE: PB1R PVGAPF A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 17:24:45 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	38	38	38	38	38	38	38	38
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGIS?	N	N	N	N	N	N	N	N
BETA VT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

=== 1: PRESENT VALUE GAP 2: YR PV MAX ===

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
2	25281	-1006	-3780	-6554	-9328	-12102	-14876	-24751
2	26	26	26	26	26	26	26	6
3	29687	-5317	-4230	-7534	-10438	-13542	-16646	-27696
3	25	18	27	27	27	27	27	5
4	32566	-5865	-9016	-8089	-11513	-14937	-18361	-31459
4	24	17	17	26	26	26	26	2
5	35571	-6422	-9873	-13323	-12697	-16356	-20105	-34438
5	23	16	16	16	25	25	25	1
6	31430	-893	-4654	-8415	-12176	-11721	-15867	-303 4
6	15	15	15	15	15	24	24	2
7	33575	-971	-6852	-9147	-13335	-12746	-17162	-32995
7	14	14	14	14	14	23	23	1
8	35734	-1051	-5479	-9906	-14334	-18762	-18608	-35898
8	13	13	13	13	13	13	22	2
9	38697	-1135	-6917	-10699	-15481	-20263	-20897	-38789
9	12	12	12	12	12	12	21	1
10	41852	-1225	-6384	-11544	-16704	-21863	-27025	-43998
10	11	11	11	11	11	11	11	20
11	45644	-1322	-6889	-12456	-18023	-23591	-29158	-47368
11	10	10	10	10	10	10	10	25
12	49742	-1422	-7412	-13403	-19393	-25383	-31374	-50968
12	9	9	9	9	9	9	9	24
13	54928	-1536	-7976	-14421	-20867	-27313	-33758	-54842
13	8	8	8	8	8	8	8	23
14	60252	-1645	-8574	-15503	-22432	-29301	-36298	-58955
14	7	7	7	7	7	7	7	22
15	66577	-1768	-9217	-16666	-24114	-31563	-39012	-63377
15	6	6	6	6	6	6	6	21
16	73136	-1897	-9898	-17882	-25875	-33867	-41860	-68003
16	5	5	5	5	5	5	5	20
17	80636	-2038	-10622	-19206	-27789	-36373	-44957	-73035
17	4	4	4	4	4	4	4	19
18	88448	-2186	-11397	-20608	-29818	-39029	-48239	-78367
18	3	3	3	3	3	3	3	18
19	97125	-2346	-12229	-22112	-31995	-41878	-51761	-84088
19	2	2	2	2	2	2	2	17
20	106326	-2517	-13122	-23726	-34330	-44935	-55539	-90226
20	1	1	1	1	1	1	1	16
21	8781	-2825	-2862	-3798	-4538	-5376	-6214	18955
21	1	1	1	1	1	1	1	15

Table I-64 (Con't)
USAF Present Value Gap

FILE: PE10 PVGAPP A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

22	14881	-7873	-8721	-9569	-10416	-11264	3202	7993
22	2	1	1	1	1	1	8	14
23	17366	-5898	-6312	-7535	-8758	-9980	-11203	8735
23	1	1	1	1	1	1	1	13
24	11572	1389	86	-1135	-2357	-3578	-4800	16355
24	1	1	1	1	1	1	1	12
25	9511	3875	2624	1372	121	-1130	-2381	19362
25	1	1	1	1	1	1	1	11
26	28386	-18928	-19683	-20545	-21407	-22269	-17848	1951
26	2	1	1	1	1	1	2	10
27	34187	-15939	-16543	-18048	-19550	-21053	-22557	-2657
27	1	1	1	1	1	1	1	9
28	12895	7144	5648	4153	2658	1163	-333	17269
28	1	1	1	1	1	1	1	8
29	12928	7281	5726	4171	2616	1061	-494	-3886
29	1	1	1	1	1	1	1	2
30	9526	1795	1133	472	-190	-851	-1513	-4826
30	1	1	1	1	1	1	1	1
31	1140	1467	1665	1862	2060	2257	2455	19270
31	1	1	1	1	1	1	1	5
32	1877	211	542	873	1203	1534	1864	15859
32	1	1	1	1	1	1	1	4
33	1666	6	356	711	1067	1422	1778	12140
33	1	1	1	1	1	1	1	3
34	1196	6	358	716	1075	1433	1791	8878
34	1	1	1	1	1	1	1	2
35	1214	6	366	719	1079	1438	1798	3596
35	1	1	1	1	1	1	1	1

Table I-65
USAF High-3 Force Grade Table

FILE: FE10PC H13P A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/22/83 10:15:15 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
USAF10 ACOL VEST=20;AMU=30;MULT=.025;HI AVG=3;DEC=Y;CREPAY=N;DUAL TRE=N;BETA= .000162;ENLOSS= .00;INC COLA=N

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	0	0	71028	0	0	0	0	0	0	71028	8094	.114	.886	1.000
2	0	0	60652	2281	0	0	0	0	0	62933	7112	.113	.887	.886
3	0	0	25239	30583	0	0	0	0	0	55822	7093	.127	.873	.786
4	0	0	6474	33838	8417	0	0	0	0	48729	22954	.471	.529	.686
5	0	0	925	11612	13238	0	0	0	0	25775	3697	.143	.857	.363
6	0	0	491	7119	14216	251	0	0	0	22077	3168	.144	.856	.311
7	0	0	292	4741	12871	1004	0	0	0	18909	2353	.124	.876	.266
8	0	0	118	2911	11588	2827	0	0	0	16556	2272	.137	.863	.233
9	0	0	6	1767	9395	3175	0	0	0	14284	1069	.075	.925	.201
10	0	0	0	489	6758	4056	0	0	0	13215	721	.055	.945	.186
11	0	0	0	0	7616	4878	0	0	0	12495	694	.056	.944	.176
12	0	0	0	0	5674	5708	346	0	0	11801	542	.046	.954	.166
13	0	0	0	0	4182	6015	1061	0	0	11259	261	.023	.977	.159
14	0	0	0	0	3648	5985	2053	0	0	10998	182	.017	.983	.155
15	0	0	0	0	2232	5484	3180	0	0	10816	151	.014	.986	.152
16	0	0	0	0	1234	5286	4145	0	0	10665	120	.011	.989	.150
17	0	0	0	0	697	4636	4953	259	0	10545	66	.006	.994	.148
18	0	0	0	0	489	3984	5463	784	0	10479	51	.005	.995	.148
19	0	0	0	0	251	3288	5719	1248	12	10428	50	.005	.995	.147
20	0	0	0	0	145	2811	5551	1778	93	10379	5324	.513	.487	.146
21	0	0	0	0	0	883	2523	1453	195	5054	1677	.332	.668	.071
22	0	0	0	0	0	414	1481	1231	331	3378	1480	.438	.562	.048
23	0	0	0	0	0	132	612	605	348	1897	508	.268	.732	.027
24	0	0	0	0	0	0	389	565	436	1390	160	.115	.885	.020
25	0	0	0	0	0	0	281	397	552	1230	344	.280	.720	.017
26	0	0	0	0	0	0	177	237	471	886	399	.451	.549	.012
27	0	0	0	0	0	0	18	121	348	487	59	.122	.878	.007
28	0	0	0	0	0	3	0	79	348	427	83	.194	.806	.006
29	0	0	0	0	0	0	0	9	335	344	87	.253	.747	.005
30	0	0	0	0	0	0	0	0	257	257	180	.699	.301	.004
31	0	0	0	0	0	0	0	0	77	77	57	.748	.260	.001
32	0	0	0	0	0	0	0	0	28	28	15	.747	.253	.000
33	0	0	0	0	0	0	0	0	5	5	4	.747	.253	.000
34	0	0	0	0	0	0	0	0	1	1	1	.747	.253	.000
35	0	0	0	0	0	0	0	0	0	0	0	1.000	.000	.000
TOTAL	0	0	165216	95231	103876	59771	37862	8887	3831	474646	71028	.267	.733	6.683
PERCENT	0	0	35	20	22	13	8	2	1	100				
CEILING	36	36	36	22	12	11	7	2	1	8				

Table I-66
USAF 30% Decrement to Multiplier Force Grade Table

FILE: FE10PG - 30DECP A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/22/83 10:15:15 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
USAF10 ACOL VEST=20;ANU=36;MULT=.025;MI AVG=3;DEC=I;CHPAY=N;DUAL TAX=N;BETA= .000162;ENLOSS= .00;INC COLA=N

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	0	0	76318	0	0	0	0	0	0	76318	8697	.114	.886	1.000
2	0	0	65162	2451	0	0	0	0	0	67613	7641	.113	.887	.886
3	0	0	27115	32856	0	0	0	0	0	59972	7625	.127	.873	.786
4	0	0	6954	36358	9042	0	0	0	0	52347	25881	.494	.506	.686
5	0	0	958	11924	13593	0	0	0	0	26466	4016	.152	.848	.347
6	0	0	499	7239	14456	255	0	0	0	22450	3458	.154	.846	.294
7	0	0	293	4762	12928	1009	0	0	0	18992	2599	.137	.863	.249
8	0	0	189	2882	11394	2907	0	0	0	16393	2571	.157	.843	.215
9	0	0	6	1652	9092	3073	0	0	0	13822	1185	.086	.914	.181
10	0	0	0	391	8367	3679	0	0	0	12637	802	.063	.937	.166
11	0	0	0	0	7215	4621	0	0	0	11836	825	.070	.930	.155
12	0	0	0	0	5294	5294	323	0	0	11811	780	.066	.936	.144
13	0	0	0	0	3838	5509	972	0	0	10318	308	.030	.970	.135
14	0	0	0	0	2765	5371	1867	0	0	10002	285	.028	.972	.131
15	0	0	0	0	2022	4895	2880	0	0	9798	193	.020	.980	.128
16	0	0	0	0	1111	4768	3733	0	0	9605	223	.023	.977	.126
17	0	0	0	0	628	4124	4457	231	0	9382	78	.007	.993	.123
18	0	0	0	0	365	3469	4854	626	0	9312	46	.005	.995	.122
19	0	0	0	0	223	2858	5073	1109	10	9266	44	.005	.995	.121
20	0	0	0	0	129	2458	4932	1588	83	9221	5651	.613	.387	.121
21	0	0	0	0	0	624	1782	1827	138	3570	1530	.428	.572	.047
22	0	0	0	0	0	250	646	744	200	2041	1195	.586	.414	.027
23	0	0	0	0	0	59	273	359	155	846	337	.398	.602	.011
24	0	0	0	0	0	0	143	287	160	589	98	.193	.807	.007
25	0	0	0	0	0	0	54	133	184	411	152	.371	.629	.005
26	0	0	0	0	0	0	52	69	137	258	163	.630	.370	.003
27	0	0	0	0	0	0	4	24	68	96	21	.224	.776	.001
28	0	0	0	0	0	0	0	14	60	74	25	.338	.662	.001
29	0	0	0	0	0	0	0	1	48	49	16	.319	.681	.001
30	0	0	0	0	0	0	0	0	33	33	23	.679	.321	.000
31	0	0	0	0	0	0	0	0	11	11	8	.708	.292	.000
32	0	0	0	0	0	0	0	0	3	3	2	.713	.287	.000
33	0	0	0	0	0	0	0	0	1	1	1	.712	.288	.000
34	0	0	0	0	0	0	0	0	0	0	0	.712	.288	.000
35	0	0	0	0	0	0	0	0	0	0	0	1.000	.000	.000
TOTAL	0	0	177399	108508	102445	54646	32234	6122	1293	474646	76318	.299	.701	6.220
PERCENT	0	0	37	21	22	12	7	1	0	100				
CEILING	36	36	36	22	12	11	7	2	1	0				

Table I-67
USAF Cost Summary

FILE: COSTIOFE COSTF A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/22/83 10:15:15 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE ENLISTED MEN 10 * * AGGREGATE * *
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	30	30	30	30	30	30	30	30
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000162	.000162	.000162	.000162	.000162	.000162	.000162	.000162
INLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** SUMMARY TABLE : MILITARY PAY (MIL'S) FOR YEAR 81 ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1 - 4 YEARS	2878.48	2928.87	2994.38	3066.55	3137.13	3203.73	3268.82	3423.78
5 - 10 YEARS	1796.18	1812.63	1813.49	1812.34	1809.63	1807.57	1805.16	1835.43
11 - 20 YEARS	2232.99	2239.52	2175.35	2105.37	2038.11	1952.19	1871.51	1688.09
21 - 30 YEARS	524.33	397.94	316.07	256.88	197.55	156.15	123.85	77.58
MORE THAN 30 Y	2.38	3.39	1.93	1.81	.49	.22	.89	.00
** TOTAL **	7434.29	7373.55	7301.14	7235.35	7174.99	7119.85	7068.63	6936.84

*** MILITARY PAY (MIL'S) FOR YEAR 81, BY SOURCE ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
BASE PAY	5186.16	5254.51	4995.96	4941.44	4892.54	4848.22	4807.14	4788.41
BAS	779.76	779.76	779.76	779.76	779.76	779.76	779.76	779.76
VHA	169.59	167.94	166.81	164.22	162.57	161.03	159.58	155.71
BAQ	1255.31	1247.59	1237.37	1227.83	1218.85	1210.54	1202.88	1182.59
S+I	123.47	123.75	122.95	122.18	121.19	120.32	119.46	118.46
XMAS BONUS	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	7434.29	7373.55	7301.14	7235.35	7174.99	7119.85	7068.63	6936.84

*** SUMMARY TABLE : RETIREMENT (MIL'S) FOR YEAR 81 ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1 - 4 YEARS	15.26	15.14	12.18	11.13	10.01	8.79	7.56	.00
5 - 10 YEARS	15.84	14.94	13.94	12.83	11.59	10.25	8.79	.00
11 - 20 YEARS	1347.18	1566.32	1449.16	1317.58	1169.84	1008.86	838.39	.00
21 - 30 YEARS	2122.43	1684.73	1348.29	1055.78	806.85	596.92	426.26	.00
MORE THAN 30 Y	26.92	36.75	18.53	8.54	3.87	1.34	.46	.00
** TOTAL **	3523.85	3389.58	2842.18	2405.77	2000.25	1625.37	1281.41	.00

TAX ADV(MIL'S): 529.14 524.65 519.75 515.38 511.48 507.99 504.81 496.7

-> -> -> -> TOTAL COST (MIL'S) FOR YEAR 81

MILITARY	7434.29	7373.55	7301.14	7235.35	7174.99	7119.85	7068.63	6936.84
RETIREMENT	3523.85	3389.58	2842.18	2405.77	2000.25	1625.37	1281.41	.00
DEATH BEN.	1.49	1.46	1.43	1.40	1.37	1.36	1.33	1.29

** TOTAL = 10959.63 10764.84 10144.68 9642.52 9176.53 8746.58 8351.37 6938.13

Table I-68
Army Officer Military versus Civilian Income Streams

* * * * * INCOME STREAMS: MILITARY PAY * * * * * *
SCENARIO NO. 0 0 : BASECASE

AGE	(LOS)	BASE	BAS	VHA	BAQ	SIPAY	TAXES	XBONUS	MILPAY	ANNUITY	CIVW
22	1	12679	1298	218	3355	287	1299	0	19856	0	22484
23	2	12877	1298	286	2935	395	1373	0	19884	0	23525
24	3	16125	1298	122	3731	918	2856	0	24251	0	24575
25	4	19305	1298	149	3854	1232	2115	0	27954	0	25631
26	5	22865	1298	369	4348	1624	2588	0	32292	0	26650
27	6	22288	1298	393	4436	2158	2642	0	33134	0	27749
28	7	23247	1298	396	4495	2224	2651	0	34311	0	28804
29	8	23264	1298	402	4533	2636	2667	0	34795	0	29851
30	9	24124	1298	403	4558	2815	2673	0	35071	0	30888
31	10	24164	1298	413	4596	2816	2706	0	35195	0	31909
32	11	25919	1298	528	4795	1415	2991	0	36947	0	32913
33	12	26436	1298	663	5024	1899	3334	0	38653	0	33893
34	13	26837	1298	694	5111	1514	3417	0	40072	0	34848
35	14	28142	1298	714	5163	1414	3481	0	42213	0	35773
36	15	29536	1298	724	5192	1686	3538	0	41974	0	36664
37	16	29745	1298	748	5271	1668	3703	0	41817	0	37518
38	17	32760	1298	814	5587	1216	4408	0	46076	0	38330
39	18	33182	1298	831	5698	1864	4595	0	47469	0	39098
40	19	34999	1298	833	5703	1328	4616	0	48777	0	39818
41	20	35129	1298	836	5734	1569	4663	0	49236	17565	40487
42	21	37184	1298	842	5884	1677	5050	0	51936	19522	41102
43	22	38048	1298	828	6016	1575	5416	0	53168	20922	41660
44	23	40638	1298	816	6134	1354	5698	0	55939	23367	42159
45	24	41295	1298	807	6208	1134	5915	0	56658	24777	42596
46	25	41513	1298	804	6259	1561	5987	0	57422	25945	42969
47	26	41683	1298	802	6269	1258	6043	0	57353	27094	43277
48	27	44768	1298	801	6271	1203	6071	0	60411	30218	43517
49	28	44969	1298	800	6272	1695	6098	0	61872	31437	43690
50	29	46050	1298	750	6354	881	6322	0	61736	33415	43793
51	30	46188	1298	798	6339	877	6341	0	61833	34641	43828
52	31	46188	1298	798	6352	877	6341	0	61846	34641	43792
53	32	46188	1298	798	6377	877	6341	0	61871	34641	43687
54	33	46188	1298	798	6381	877	6341	0	61875	34641	43514
55	34	46188	1298	798	6343	877	6341	0	61836	34641	43272
56	35	46188	1298	798	6400	877	6341	0	61894	34641	42963
57	36	0	0	0	0	0	0	0	0	34641	42589
58	37	0	0	0	0	0	0	0	0	34641	42151
59	38	0	0	0	0	0	0	0	0	34641	41651
60	39	0	0	0	0	0	0	0	0	34641	41092
61	40	0	0	0	0	0	0	0	0	34641	40476
62	41	0	0	0	0	0	0	0	0	34641	39806
63	42	0	0	0	0	0	0	0	0	34641	39085
64	43	0	0	0	0	0	0	0	0	34641	38317
TOTALS:		1157151	45446	22478	187981	47982	152149	0	1613222	739236	1612434

* * * * * INCOME STREAMS: MILPAY VS. OTHERS * * * * * *
SCENARIO NO. 0 0 : BASECASE

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Table I-69
Army Officer Annualized Cost of Leaving (ACOL)

ACOL OUTPUT DATE OF RUN: 11/21/83 16:13:16 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY OFFICERS 14 **AGGREGATE**
CURRENT
YR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
RECREMENTED? Y Y Y Y Y Y Y N
PAY CHANGES? N N N N N N N N
BETA WT.: .000065 .000065 .000065 .000065 .000065 .000065 .000065 .000065
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000

=== ACOL MATRIX ===

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
2	9691	9518	9858	8612	8166	7728	7384	5732
3	11200	10954	10393	9879	9398	8991	8431	6664
4	12415	12099	11477	10868	10313	9778	9253	7287
5	13462	13108	12407	11722	11062	10481	9897	7724
6	14324	13915	13116	12345	11595	10948	10299	7989
7	15296	14946	13985	13077	12234	11456	10764	8129
8	16402	16127	15046	13965	12945	12034	11265	8358
9	17834	17588	16366	15143	13921	12781	11875	8656
10	19712	19432	18042	16651	15261	13970	12630	9051
11	22113	21793	20199	18605	17011	15416	13824	9563
12	24946	24575	22732	20888	19045	17201	15358	10060
13	28387	27953	25795	23637	21488	19322	17164	10543
14	32746	32231	29667	27103	24530	21976	19412	11035
15	38755	38130	35022	31914	28806	25698	22598	11657
16	46983	46204	42332	38459	34586	30713	26841	12266
17	59682	58671	53646	48622	43597	38572	33547	13049
18	79588	78183	71233	64203	57333	50382	43432	13583
19	119130	116956	106146	95336	84526	73716	62905	14123
20	237343	232837	210427	188018	165609	143199	120790	14675
21	34145	29876	27252	25428	23603	21779	19955	15332
22	27481	28137	26474	24811	23148	21485	19822	15849
23	42526	36644	34357	32071	29785	27498	25212	16372
24	28576	33472	31531	29590	27649	25708	23767	16699
25	26818	33015	31159	29303	27446	25590	23734	17852
26	25974	25786	24543	23300	22217	21054	19891	17424
27	51603	35160	33334	31507	29680	27854	26027	17939
28	27558	35448	33642	31835	30029	28222	26415	18114
29	36560	38827	36739	34650	32562	30473	28385	18258
30	26659	29801	28621	27442	26262	25083	23903	18315
31	11956	15693	15929	16165	16401	16637	16873	18390
32	11679	12162	12764	13366	13968	14571	15173	18489
33	11824	11824	12478	13132	13785	14439	15093	18606
34	11778	11778	12449	13120	13808	14488	15167	18742
35	11933	11933	12633	13333	14032	14732	15432	18931

Table I-70
Army Officer Pay Component of ACOL

ACOL OUTPUT DATE OF RUN: 11/21/83 16:13:18 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA VT.:	.000865	.000865	.000865	.000865	.000865	.000865	.000865	.000865
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

=== ACOL PAY COMPONENT ===

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
2	4896	4430	5044	5044	5044	5182	5182	5732
3	5887	5343	5343	5966	5966	5966	6185	6664
4	5578	5749	5917	5917	6563	6563	6729	7287
5	5913	6102	6102	6288	6963	6963	7116	7724
6	5946	5343	6154	6349	6349	7091	7091	7909
7	6007	5338	5338	6236	6448	7253	7253	8129
8	5554	5316	5316	5316	6314	7419	7419	8358
9	5365	5365	5365	5365	5365	6717	7658	8656
10	5527	5527	5527	5527	5527	5527	7999	9051
11	5855	5855	5855	5855	5855	5855	5855	9563
12	6148	6148	6148	6148	6148	6148	6148	10068
13	6376	6376	6376	6376	6376	6376	6376	10543
14	6592	6592	6592	6592	6592	6592	6592	11035
15	7049	7049	7049	7049	7049	7049	7049	11657
16	7477	7477	7477	7477	7477	7477	7477	12266
17	8423	8423	8423	8423	8423	8423	8423	13049
18	8682	8682	8682	8682	8682	8682	8682	13583
19	8855	8855	8855	8855	8855	8855	8855	14123
20	8743	8743	8743	8743	8743	8743	8743	14675
21	10834	10834	10834	10834	10834	10834	10834	15332
22	11508	11508	11508	11508	11508	11508	11508	15849
23	13788	13788	13788	13788	13788	13788	13788	16372
24	14062	14062	14062	14062	14062	14062	14062	16699
25	14453	14453	14453	14453	14453	14453	14453	17052
26	15437	14876	14876	14876	14876	14876	14876	17424
27	16894	16894	16894	16894	16894	16894	16894	17939
28	17383	17383	17383	17383	17383	17383	17383	18114
29	17942	17942	17942	17942	17942	17942	17942	18258
30	18005	18005	18005	18005	18005	18005	18005	18315
31	18053	18053	18053	18053	18053	18053	18053	18358
32	18184	18184	18184	18184	18184	18184	18184	18489
33	18361	18361	18361	18361	18361	18361	18361	18606
34	18564	18564	18564	18564	18564	18564	18564	18742
35	18931	18931	18931	18931	18931	18931	18931	18931

Table I-71
Army Officer Retirement Component

ACOL OUTPUT DATE OF RUN: 11/21/85 16:13:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

=== ACOL RETIREMENT COMPONENT ===

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
2	5595	5087	4813	3567	3122	2547	2122	0
3	6193	5611	5050	3914	3425	2935	2326	0
4	6846	6350	5561	4943	3750	3214	2544	0
5	7569	7006	6305	5442	4104	3517	2781	0
6	8378	8572	6962	5996	5246	3849	3207	0
7	9289	9608	8648	6842	5786	4213	3511	0
8	10848	10811	9730	8649	6631	4615	3846	0
9	12469	12223	11001	9778	8556	6063	4217	0
10	14185	13905	12515	11124	9734	8343	4631	0
11	16258	15938	14344	12750	11156	9563	7969	0
12	18806	18435	16591	14748	12904	11061	9217	0
13	22011	21577	19419	17262	15104	12946	10789	0
14	26154	25638	23075	20511	17947	15383	12819	0
15	31705	31080	27972	24864	21756	18648	15540	0
16	39586	38727	34854	30982	27109	23236	19364	0
17	51259	50249	45224	40199	35174	30149	25124	0
18	70899	69501	62551	55601	48651	41701	34751	0
19	110275	108101	97291	86481	75671	64861	54051	0
20	228600	224094	201685	179275	156866	134457	112047	0
21	23311	18242	16418	14594	12770	10945	9121	0
22	15893	16629	14966	13303	11640	9977	8315	0
23	28746	22864	20577	18291	16005	13718	11432	0
24	14514	19410	17469	15528	13587	11646	9705	0
25	11565	10562	16706	14850	12994	11137	9281	0
26	10537	11630	10467	9304	8141	6978	5815	0
27	34109	18266	16439	14613	12786	10960	9133	0
28	10168	10856	16259	14453	12646	10839	9033	0
29	10617	22885	16796	16788	14519	12531	10442	0
30	8654	11795	10616	9436	8257	7077	5898	0
31	-6897	-2361	-2124	-1888	-1652	-1416	-1180	0
32	-6305	-6022	-5420	-4818	-4215	-3613	-3011	0
33	-6537	-6537	-5883	-5229	-4576	-3922	-3268	0
34	-6794	-6794	-6115	-5436	-4756	-4077	-3397	0
35	-6998	-6998	-6298	-5599	-4899	-4199	-3499	0

Table I-72
Army Officer Force Structures

ACOL OUTPUT DATE OF RUN: 11/21/83 18:13:18 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	Y
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000865	.000865	.000865	.000865	.000865	.000865	.000865	.000865
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

--- FORCE TABLE ---

CASE NO. :	BASE	1	2	3	4	5	6	7
YEAR OF SERVICE								
1	9302	9483	9749	10117	10502	10901	11312	12874
2	8856	8983	9303	9643	9999	10367	10746	12174
3	7994	8066	8329	8689	8982	9283	9512	10656
4	6777	6823	7013	7215	7429	7648	7871	8667
5	5761	5783	5911	6046	6190	6340	6490	6956
6	5101	5100	5196	5289	5388	5493	5597	5925
7	4507	4505	4559	4617	4681	4750	4818	5088
8	4082	4076	4106	4139	4176	4219	4263	4359
9	3709	3700	3713	3727	3743	3764	3789	3815
10	3416	3407	3408	3409	3411	3416	3425	3486
11	3177	3166	3158	3158	3141	3134	3130	3072
12	2878	2866	2846	2824	2301	2777	2755	2648
13	2648	2635	2606	2573	2538	2501	2463	2296
14	2493	2480	2447	2410	2370	2328	2284	2091
15	2351	2338	2301	2260	2215	2167	2115	1885
16	2125	2109	2058	1981	1904	1818	1724	1309
17	1998	1980	1912	1832	1739	1634	1516	965
18	1853	1851	1739	1625	1486	1323	1139	428
19	1723	1714	1624	1509	1365	1189	982	165
20	1615	1625	1539	1430	1294	1127	929	62
21	1259	1166	1066	954	828	695	542	31
22	1032	964	864	757	642	521	398	21
23	862	747	647	544	442	342	248	10
24	742	669	571	473	377	286	203	8
25	648	607	512	419	329	246	171	6
26	548	511	426	344	266	196	134	4
27	456	442	362	287	218	156	105	3
28	358	383	309	240	178	125	82	2
29	241	278	209	155	110	73	45	1
30	174	218	166	121	84	55	33	1
31	89	137	105	77	54	35	21	0
32	46	78	61	46	32	22	13	0
33	23	44	35	27	19	13	8	0
34	12	25	20	16	12	8	5	0
35	6	14	12	9	7	5	3	0
TTL ENSTRENGTH	88874	88874	88874	88874	88874	88874	88874	88874
EXP. SERV. LIFE	10	9	9	9	8	8	8	7

Table I-73

Army Nonprior Service Officer Reenlistment Rates

ACOL OUTPUT DATE OF RUN: 11/21/83 16:13:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY OFFICERS 14 **AGGREGATE**

CURRENT								
YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000865	.000865	.000865	.000865	.000865	.000865	.000865	.000865
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

=== REENLISTMENT RATES ===

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.951	.951	.949	.948	.947	.945	.944	.938
3	.887	.885	.882	.878	.875	.871	.868	.854
4	.846	.843	.838	.832	.827	.822	.817	.797
5	.828	.825	.818	.811	.805	.798	.792	.768
6	.867	.864	.857	.851	.845	.539	.833	.811
7	.883	.880	.874	.867	.861	.854	.849	.825
8	.906	.904	.898	.891	.885	.879	.873	.851
9	.926	.919	.913	.906	.899	.892	.887	.864
10	.941	.940	.935	.929	.923	.917	.910	.889
11	.955	.954	.945	.943	.938	.931	.924	.903
12	.935	.933	.926	.917	.907	.897	.885	.845
13	.947	.946	.938	.929	.919	.908	.896	.849
14	.986	.979	.975	.971	.966	.960	.953	.922
15	.983	.983	.979	.974	.968	.962	.953	.918
16	.931	.927	.928	.885	.857	.823	.784	.584
17	.976	.975	.965	.952	.935	.912	.882	.663
18	.963	.960	.938	.926	.860	.796	.712	.262
19	.988	.997	.993	.986	.973	.947	.898	.269
20	.987	1.000	1.000	1.000	1.000	.999	.997	.276
21	.779	.718	.693	.667	.640	.612	.584	.509
22	.819	.826	.810	.793	.775	.755	.735	.681
23	.835	.775	.748	.719	.688	.656	.621	.488
24	.861	.895	.883	.869	.854	.837	.819	.741
25	.862	.908	.897	.885	.873	.859	.843	.777
26	.844	.842	.832	.821	.810	.798	.785	.757
27	.833	.864	.850	.834	.817	.798	.778	.675
28	.795	.866	.852	.837	.820	.802	.783	.677
29	.674	.785	.676	.646	.614	.582	.548	.385
30	.723	.808	.796	.784	.770	.756	.742	.666
31	.511	.628	.631	.635	.638	.642	.645	.668
32	.511	.572	.582	.591	.601	.610	.620	.669
33	.511	.567	.577	.588	.598	.608	.618	.671
34	.511	.566	.577	.588	.598	.609	.619	.673
35	.511	.569	.580	.591	.602	.613	.624	.675

Table I-74
Army Officer Continuation Rates

ACOL OUTPUT DATE OF RUN: 11/21/83 16:13:18 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY OFFICERS 14 **AGGREGATE**

CURRENT YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000865	.000865	.000865	.000865	.000865	.000865	.000865	.000865
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

=== CONTINUATION RATES ===

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.956	.955	.954	.953	.952	.951	.950	.946
3	.899	.898	.895	.893	.890	.888	.885	.875
4	.848	.846	.842	.838	.835	.831	.827	.813
5	.850	.848	.843	.838	.833	.829	.825	.807
6	.885	.883	.879	.875	.870	.866	.863	.847
7	.884	.882	.877	.873	.869	.865	.861	.845
8	.926	.925	.901	.896	.892	.888	.885	.870
9	.909	.908	.904	.900	.896	.892	.889	.875
10	.921	.921	.918	.915	.911	.908	.904	.893
11	.930	.929	.927	.924	.921	.918	.914	.902
12	.906	.905	.901	.897	.892	.886	.880	.859
13	.920	.920	.916	.911	.906	.900	.894	.870
14	.941	.941	.939	.937	.934	.931	.927	.910
15	.943	.943	.941	.938	.935	.931	.926	.902
16	.904	.902	.891	.877	.860	.839	.815	.694
17	.940	.939	.933	.925	.914	.899	.879	.737
18	.927	.925	.910	.887	.855	.810	.751	.435
19	.930	.936	.934	.928	.918	.899	.863	.394
20	.938	.948	.948	.946	.948	.947	.946	.373
21	.779	.718	.693	.667	.640	.612	.584	.509
22	.819	.826	.810	.793	.775	.755	.735	.681
23	.835	.775	.748	.719	.685	.656	.621	.488
24	.861	.895	.883	.869	.854	.837	.819	.741
25	.862	.908	.897	.885	.873	.859	.843	.777
26	.844	.842	.832	.821	.810	.798	.785	.757
27	.833	.864	.850	.834	.817	.798	.778	.675
28	.795	.866	.852	.837	.820	.802	.783	.677
29	.674	.705	.676	.646	.614	.582	.548	.385
30	.723	.808	.796	.784	.770	.756	.742	.666
31	.511	.628	.631	.635	.638	.642	.645	.668
32	.511	.572	.582	.591	.601	.610	.620	.669
33	.511	.567	.577	.588	.598	.608	.618	.671
34	.511	.566	.577	.588	.598	.609	.619	.673
35	.511	.569	.580	.591	.602	.613	.624	.675

Table I-75
Army Officer Survival Rates

ACOL OUTPUT DATE OF RUN: 11/21/83 16:13:18 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000865	.000865	.000865	.000865	.000865	.000865	.000865	.000865
XNLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

=== SURVIVAL RATES ===

CASE NO. : BASE YEAR OF SERVICE	1	2	3	4	5	6	7
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.956	.955	.954	.953	.952	.951	.950	.946
3	.859	.858	.854	.851	.848	.844	.841	.828
4	.729	.726	.719	.713	.707	.702	.696	.673
5	.619	.615	.606	.598	.589	.582	.574	.543
6	.548	.543	.533	.523	.513	.504	.495	.460
7	.484	.479	.468	.456	.446	.436	.426	.389
8	.439	.433	.421	.409	.398	.387	.377	.339
9	.399	.394	.381	.368	.356	.345	.335	.296
10	.367	.362	.350	.337	.325	.313	.303	.265
11	.342	.337	.324	.311	.299	.288	.277	.239
12	.309	.305	.292	.279	.267	.255	.244	.205
13	.285	.280	.267	.254	.242	.229	.218	.178
14	.268	.264	.251	.238	.226	.214	.202	.162
15	.253	.249	.236	.223	.211	.199	.187	.146
16	.228	.224	.210	.196	.181	.167	.152	.102
17	.215	.211	.196	.181	.166	.150	.134	.075
18	.199	.195	.178	.161	.142	.121	.101	.033
19	.185	.182	.167	.149	.130	.109	.087	.013
20	.174	.173	.158	.141	.123	.103	.082	.005
21	.135	.124	.109	.094	.079	.063	.048	.002
22	.111	.102	.089	.075	.061	.048	.035	.002
23	.093	.079	.066	.054	.042	.031	.022	.001
24	.080	.071	.059	.047	.036	.026	.018	.001
25	.069	.065	.053	.041	.031	.023	.015	.000
26	.058	.054	.044	.034	.025	.018	.012	.000
27	.048	.047	.037	.028	.021	.014	.009	.000
28	.038	.041	.032	.024	.017	.012	.007	.000
29	.026	.029	.021	.015	.010	.007	.004	.000
30	.019	.023	.017	.012	.008	.005	.003	.000
31	.010	.015	.011	.008	.005	.003	.002	.000
32	.005	.008	.006	.005	.003	.002	.001	.000
33	.002	.005	.004	.003	.002	.001	.001	.000
34	.001	.003	.002	.002	.001	.001	.000	.000
35	.001	.002	.001	.001	.001	.000	.000	.000

Table I-76
Army Officer Present Value Gap

ACOL OUTPUT DATE OF RUN: 11/21/83 16:13:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** 1: PRESENT VALUE GAP 2: YR PV MAI ***

CASE NO. :	BASE	1	2	3	4	5	6	7
YEAR OF SERVICE								
2	100475	1560	1849	-3189	-8226	-12232	-17078	-32185
2	22	24	28	28	28	29	29	34
3	117401	1745	-4359	-3568	-9205	-14842	-19111	-36015
3	21	23	23	27	27	27	28	33
4	129851	-586	-4807	-11538	-10153	-16371	-21079	-39724
4	20	21	22	22	26	26	27	32
5	139643	-642	-8071	-12634	-11118	-17926	-23082	-43498
5	19	20	20	21	25	25	26	31
6	146105	-17087	-8797	-13771	-21806	-19540	-26961	-47413
6	18	15	19	20	20	24	24	30
7	152902	-18574	-27214	-18365	-23703	-21240	-29306	-51538
7	17	14	14	18	19	23	23	29
8	148348	-8770	-18127	-27483	-18076	-11657	-20393	-44470
8	14	13	13	13	17	22	22	28
9	147437	-2032	-12137	-22242	-32347	-18246	-14585	-40588
9	12	12	12	12	12	17	21	27
10	154570	-2193	-13096	-23999	-34903	-45806	-15737	-43794
10	11	11	11	11	11	11	20	26
11	163236	-2366	-14131	-25895	-37660	-49425	-61190	-47254
11	10	10	10	10	10	10	10	25
12	171300	-2546	-15204	-27863	-40522	-53181	-65840	-50845
12	9	9	9	9	9	9	9	24
13	179197	-2739	-16360	-29981	-43602	-57223	-70844	-54710
13	8	8	8	8	8	8	8	23
14	187022	-2944	-17587	-32230	-46872	-61515	-76158	-58813
14	7	7	7	7	7	7	7	22
15	196276	-3165	-18906	-34647	-50388	-66129	-81869	-63224
15	6	6	6	6	6	6	6	21
16	204906	-3396	-20286	-37178	-54066	-70956	-87846	-67839
16	5	5	5	5	5	5	5	20
17	215451	-3648	-21767	-39927	-58067	-76247	-94346	-72859
17	4	4	4	4	4	4	4	19
18	222867	-3914	-23378	-42842	-62306	-81770	-101234	-78178
18	3	3	3	3	3	3	3	18
19	230135	-4200	-25084	-45969	-66854	-87739	-108624	-83885
19	2	2	2	2	2	2	2	17
20	237343	-4506	-26916	-49325	-71734	-94144	-116553	-90009
20	1	1	1	1	1	1	1	16
21	34145	-5069	-3893	-8717	-10542	-12366	-14190	114425
21	1	1	1	1	1	1	1	15

Table I-76 (Con't)
Army Officer Present Value Gap

22	27401	736	-927	-2598	-4253	-5916	-7578	120115
22	1	1	1	1	1	1	1	14
23	42526	-5883	-8169	-10455	-12742	-15028	-17314	103275
23	1	1	1	1	1	1	1	13
24	28576	4896	2955	1014	-927	-2868	-4809	112951
24	1	1	1	1	1	1	1	12
25	26018	6997	5141	3285	1429	-427	-2284	110369
25	1	1	1	1	1	1	1	11
26	50249	-24543	-25706	-26869	-28032	-29195	-30358	80465
26	2	1	1	1	1	1	1	10
27	51003	-15843	-17669	-19496	-21323	-23149	-24976	73799
27	1	1	1	1	1	1	1	9
28	27550	7898	6091	4285	2478	672	-1135	88019
28	1	1	1	1	1	1	1	8
29	36560	2267	179	-1910	-3998	-6086	-8175	68599
29	1	1	1	1	1	1	1	7
30	26659	3142	1962	783	-397	-1576	-2756	66749
30	1	1	1	1	1	1	1	6
31	11956	3737	3973	4209	4445	4681	4917	68725
31	1	1	1	1	1	1	1	5
32	11879	283	885	1488	2090	2692	3294	55133
32	1	1	1	1	1	1	1	4
33	11824	0	654	1307	1961	2615	3268	40422
33	1	1	1	1	1	1	1	3
34	11779	0	679	1359	2038	2718	3397	24487
34	1	1	1	1	1	1	1	2
35	11933	0	700	1400	2099	2799	3499	6998
35	1	1	1	1	1	1	1	1

Table I-77
Army Officer High-3 Force Grade Strengths

ACOL OUTPUT DATE OF RUN: 11/21/85 16:13:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY OFFICERS 14 **AGGREGATE**
CURRENT
USAR14 ACOL VEST=26;ANU=42;PULT=.025;HI AVG=3;DEC=Y;CHPAY=N;DUAL TRK=N;BETA= .000665;ENLOSS= .00;INC COLA=N

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	9483	0	0	0	0	0	0	0	0	9483	420	.045	.955	1.000
2	8062	921	0	0	0	0	0	0	0	8983	916	.102	.898	.955
3	0	7561	505	0	0	0	0	0	0	8066	1243	.154	.846	.858
4	0	5727	1085	10	0	0	0	0	0	6823	1040	.152	.848	.726
5	0	239	5496	48	0	0	0	0	0	5783	675	.117	.883	.615
6	0	0	4881	226	1	0	0	0	0	5108	603	.118	.882	.543
7	0	0	4261	238	6	0	0	0	0	4505	429	.095	.905	.479
8	0	0	3785	288	10	1	0	0	0	4076	376	.092	.908	.433
9	0	0	3431	247	29	2	0	0	0	3709	294	.079	.921	.394
10	0	0	3066	291	48	2	0	0	0	3407	248	.071	.929	.362
11	0	0	1781	1388	75	3	0	0	0	3166	308	.095	.905	.337
12	0	0	483	2268	120	4	0	0	0	2866	231	.288	.928	.305
13	0	0	199	2388	122	6	0	0	0	2635	156	.059	.941	.280
14	0	0	48	2294	117	28	0	0	0	2488	142	.057	943	.264
15	0	0	0	2143	169	26	0	0	0	2338	229	.098	.902	.249
16	0	0	0	1698	377	41	0	0	0	2109	128	.061	.939	.224
17	0	0	0	549	1383	48	0	0	0	1980	149	.075	.925	.211
18	0	0	0	277	1476	79	0	0	0	1831	117	.064	.936	.195
19	0	0	0	233	1408	74	0	0	0	1714	90	.052	.948	.182
20	0	0	0	183	1356	86	0	0	0	1625	459	.282	.718	.173
21	0	0	0	0	931	235	0	0	0	1166	202	.174	.826	.124
22	0	0	0	0	555	409	0	0	0	964	216	.225	.775	.102
23	0	0	0	0	297	450	0	0	0	747	78	.105	.895	.079
24	0	0	0	0	176	492	0	0	0	669	62	.092	.908	.071
25	0	0	0	0	133	474	0	0	0	607	96	.158	.842	.065
26	0	0	0	0	94	417	0	0	0	511	69	.136	.864	.054
27	0	0	0	0	74	368	0	0	0	442	59	.134	.866	.047
28	0	0	0	0	58	325	0	0	0	383	113	.295	.705	.041
29	0	0	0	0	3	267	0	0	0	270	52	.192	.808	.029
30	0	0	0	0	0	218	0	0	0	218	81	.372	.628	.023
31	0	0	0	0	0	137	0	0	0	137	59	.428	.572	.015
32	0	0	0	0	0	78	0	0	0	78	34	.433	.567	.008
33	0	0	0	0	0	44	0	0	0	44	19	.434	.566	.005
34	0	0	0	0	0	25	0	0	0	25	11	.431	.569	.003
35	0	0	0	0	0	14	0	0	0	14	14	1.000	.000	.002
TOTAL	17465	14448	29021	14584	9811	4346	0	0	0	88874	9483	.107	.813	9.452
PERCENT	20	16	33	16	10	5	0	0	0	100				
CEILING	14	14	36	18	12	5	0	0	0	0				

Table I-78
Army Officer 30% Decrement to Multiplier
Force grade Strengths

ACOL OUTPUT-- DATE OF RUN: 11/21/83 16:13:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY OFFICERS 14 **AGGREGATE**
CURRENT
USAR14 ACOL VEST=20;ANU=42;MULT=.025;HI AVG=3;DEC=Y;CHPAY=N;DUAL TRK=N;BETA= .000065;ENLOSS= .00;INC COLA=N

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	10502	0	0	0	0	0	0	0	0	10502	503	.048	.952	1.000
2	8974	1025	0	0	0	0	0	0	0	9999	1097	.110	.890	.952
3	0	8345	557	0	0	0	0	0	0	8902	1473	.165	.835	.848
4	0	6236	1182	11	0	0	0	0	0	7429	1239	.167	.833	.707
5	0	255	5883	52	0	0	0	0	0	6190	823	.133	.870	.589
6	0	0	5148	239	1	0	0	0	0	5388	707	.131	.869	.513
7	0	0	4427	247	6	0	0	0	0	4681	504	.108	.892	.446
8	0	0	3878	287	10	1	0	0	0	4176	433	.104	.896	.398
9	0	0	3471	250	21	2	0	0	0	3743	332	.089	.911	.356
10	0	0	3078	291	40	2	0	0	0	3411	270	.079	.921	.325
11	0	0	1767	1298	74	3	0	0	0	3141	341	.108	.892	.299
12	0	0	472	2208	117	4	0	0	0	2801	263	.094	.906	.267
13	0	0	192	2222	117	6	0	0	0	2538	168	.066	.934	.242
14	0	0	46	2193	112	19	0	0	0	2370	155	.065	.935	.226
15	0	0	0	2031	160	24	0	0	0	2215	311	.140	.860	.211
16	0	0	0	1526	341	37	0	0	0	1904	165	.086	.914	.181
17	0	0	0	482	1215	42	0	0	0	1739	253	.145	.855	.166
18	0	0	0	225	1198	64	0	0	0	1486	121	.082	.918	.142
19	0	0	0	185	1121	59	0	0	0	1365	71	.052	.948	.130
20	0	0	0	145	1080	69	0	0	0	1294	466	.360	.640	.123
21	0	0	0	0	661	167	0	0	0	828	187	.225	.775	.079
22	0	0	0	0	369	272	0	0	0	642	200	.312	.688	.061
23	0	0	0	0	176	266	0	0	0	442	65	.146	.854	.042
24	0	0	0	0	99	278	0	0	0	377	48	.127	.873	.036
25	0	0	0	0	72	257	0	0	0	329	63	.190	.810	.031
26	0	0	0	0	49	217	0	0	0	266	49	.183	.817	.025
27	0	0	0	0	36	181	0	0	0	218	39	.180	.820	.021
28	0	0	0	0	27	152	0	0	0	178	69	.386	.614	.017
29	0	0	0	0	1	108	0	0	0	110	25	.230	.770	.010
30	0	0	0	0	0	84	0	0	0	84	31	.362	.638	.008
31	0	0	0	0	0	54	0	0	0	54	22	.399	.601	.005
32	0	0	0	0	0	32	0	0	0	32	13	.402	.598	.003
33	0	0	0	0	0	19	0	0	0	19	8	.402	.598	.002
34	0	0	0	0	0	12	0	0	0	12	5	.398	.602	.001
35	0	0	0	0	0	7	0	0	0	7	7	1.000	.000	.001
TOTAL	19476	15861	38993	15891	7114	2438	0	0	0	88874	10502	.208	.792	8.462
PERCENT	22	18	34	16	8	3	0	0	0	100				
CEILING	14	14	36	18	12	5	0	0	0	0				

Table I-79
Army Officer Cost Summary

FILE: COST14A0 COSTOA A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:13:10 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

=== SUMMARY TABLE : MILITARY PAY (MIL'S) FOR YEAR 81 ===

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1 - 4 YEARS 675.18	681.39	703.97	727.96	753.13	779.08	805.69	984.68
5 - 10 YEARS 831.62	831.67	841.26	851.51	862.62	874.66	887.81	921.36
11 - 20 YEARS 880.35	875.82	854.30	828.34	797.54	761.88	721.56	549.12
21 - 30 YEARS 317.81	331.77	258.34	215.49	173.82	134.11	97.39	4.29
MORE THAN 30 Y 9.76	16.63	12.95	9.69	6.98	4.61	2.85	.85
== TOTAL == 2713.91	2787.26	2670.82	2632.98	2593.99	2554.34	2514.51	2379.49

=== MILITARY PAY (MIL'S) FOR YEAR 81, BY SOURCE ===

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
BASE PAY 2048.87	2042.68	2011.07	1978.32	1944.67	1910.51	1876.31	1761.49
BAS 115.38	115.39	115.38	115.38	115.38	115.38	115.38	115.38
VHA 38.02	37.82	37.60	36.12	35.19	34.23	33.23	29.60
BAQ 392.33	391.84	388.32	384.85	381.25	377.56	373.83	368.93
S+I 120.11	119.73	119.05	118.30	117.50	116.65	115.76	112.88
XMAS BONUS .00	.00	.00	.00	.00	.00	.00	.00
==TOTAL== 2713.91	2787.26	2670.82	2632.98	2593.99	2554.34	2514.51	2379.49

=== SUMMARY TABLE : RETIREMENT (MIL'S) FOR YEAR 81 ===

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1 - 4 YEARS 5.18	5.19	4.96	4.68	4.34	3.94	3.47	.00
5 - 10 YEARS 9.92	9.82	9.27	8.65	7.95	7.16	6.25	.00
11 - 20 YEARS 510.97	551.29	516.79	478.42	433.47	383.29	327.71	.00
21 - 30 YEARS 885.87	749.55	625.98	504.24	386.34	277.51	183.22	.00
MORE THAN 30 Y 74.92	113.49	77.88	51.32	31.36	17.64	8.98	.00
== TOTAL == 1486.86	1429.33	1234.80	1047.30	863.45	689.53	529.55	.00

TAX ADV(MIL'S): 248.23 247.35 242.46 237.48 232.19 226.91 221.62 204.1

-> -> -> -> TOTAL COST (MIL'S) FOR YEAR 81

MILITARY	2713.91	2787.26	2670.82	2632.98	2593.99	2554.34	2514.51	2379.49
RETIREMENT	1486.86	1429.33	1234.80	1047.30	863.45	689.53	529.55	.00
DEATH BEN.	.32	.33	.32	.30	.29	.29	.27	.24
== TOTAL =	4201.10	4136.92	3905.94	3680.58	3457.74	3244.15	3044.33	2379.73

Table I-80
Navy Officer Military versus Civilian Income Streams

FILE: ACOLMATO INCOM A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

* * * * * * INCOME STREAMS: MILITARY PAY * * * * * *
SCENARIO NO. 0 0 : BASECASE

AGE	(LOS)	BASE	BAS	VHA	BAQ	SIPAY	TAXES	XBONUS	MILPAY	ANNUITY	CIVY
22	1	12679	1298	709	2686	132	1299	0	18803	0	22484
23	2	12679	1298	709	2783	517	1299	0	19285	0	23525
24	3	15952	1298	615	3610	835	2020	0	24330	0	24575
25	4	19163	1298	615	3671	998	2020	0	27766	0	25631
26	5	22151	1298	918	4301	1731	2606	0	33005	0	26690
27	6	22151	1298	918	4327	2295	2606	0	33595	0	27749
28	7	23209	1298	918	4404	3056	2606	0	35486	0	28804
29	8	23210	1298	919	4464	2853	2607	0	35351	0	29851
30	9	24000	1298	935	4507	3312	2636	0	36769	0	30888
31	10	24226	1298	1012	4596	2215	2773	0	36128	0	31909
32	11	26177	1298	1216	4872	2587	3141	0	39290	0	32913
33	12	26260	1298	1245	4930	2809	3195	0	39738	0	33893
34	13	27942	1298	1319	5016	2748	3328	0	41543	0	34848
35	14	28062	1298	1353	5110	2586	3400	0	41808	0	35773
36	15	29457	1298	1369	5136	2879	3478	0	43608	0	36664
37	16	30030	1298	1430	5340	3063	3909	0	45041	0	37518
38	17	32431	1298	1425	5526	2248	4251	0	47271	0	36330
39	18	32616	1298	1431	5552	2423	4340	0	47660	0	39058
40	19	34301	1298	1433	5582	2828	4367	0	49809	0	39818
41	20	34576	1298	1431	5626	2938	4472	0	50340	17288	40487
42	21	36111	1298	1439	5732	2460	4691	0	51733	18959	41102
43	22	37670	1298	1487	5966	2918	5317	0	54577	20719	41660
44	23	39612	1298	1402	5993	2144	5417	0	55865	22777	42159
45	24	39920	1298	1397	6033	2062	5515	0	56225	23952	42596
46	25	40263	1298	1394	6073	2594	5615	0	57236	25154	42969
47	26	41009	1298	1391	6152	579	5821	0	56250	26656	43277
48	27	44294	1298	1381	6207	998	5981	0	60151	29898	43517
49	28	44649	1298	1376	6257	886	6049	0	60515	31255	43690
50	29	45030	1298	1372	6273	858	6121	0	60952	32647	43793
51	30	46188	1298	1358	6373	334	6341	0	61892	34641	43828
52	31	46188	1298	1358	6333	334	6341	0	61853	34641	43792
53	32	46188	1298	1358	6331	334	6341	0	61850	34641	43687
54	33	46188	1298	1358	6426	334	6341	0	61945	34641	43514
55	34	46188	1298	1358	6343	334	6341	0	61862	34641	43272
56	35	46188	1298	1358	6375	334	6341	0	61894	34641	42963
57	36	0	0	0	0	0	0	0	0	34641	42589
58	37	0	0	0	0	0	0	0	0	34641	42151
59	38	0	0	0	0	0	0	0	0	34641	41651
60	39	0	0	0	0	0	0	0	0	34641	41092
61	40	0	0	0	0	0	0	0	0	34641	40476
62	41	0	0	0	0	0	0	0	0	34641	39806
63	42	0	0	0	0	0	0	0	0	34641	39085
64	43	0	0	0	0	0	0	0	0	34641	38317
TOTALS:		1147038	45440	42500	184905	62617	148915	0	1631515	734289	1612434

* * * * * * INCOME STREAMS: MILPAY VS. OTHERS * * * * * *
SCENARIO NO. 0 0 : BASECASE

Table I-81
Navy Officer Annualized Cost of Leaving (ACOL)

FILE: ACOLMATO PAGE1N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:25:38 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **AGGRIGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

--- ACOL MATRIX ---

CASE NO. / YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
2	10410	10193	9747	9307	8867	8439	8019	6437
3	11971	11705	11143	10623	10118	9657	9196	7415
4	13259	12954	12318	11698	11127	10598	10081	8099
5	14435	14119	13394	12689	12081	11396	10828	8623
6	15303	15036	14194	13371	12593	11875	11242	8825
7	16355	16147	15283	14259	13325	12470	11752	9084
8	17566	17332	16270	15208	14146	13103	12236	9294
9	19142	18877	17677	16476	15275	14074	12983	9625
10	20966	20666	19300	17934	16568	15201	13835	9956
11	23416	23071	21505	19939	18374	16808	15242	10467
12	26085	25687	23876	22065	20253	18442	16631	10834
13	29535	29069	26949	24829	22709	20590	18470	11289
14	33816	33261	30742	28224	25705	23186	20667	11765
15	39712	39040	35987	32933	29880	26827	23773	12238
16	47776	46939	43134	39329	35525	31728	27916	12748
17	59752	58665	53729	48792	43856	38919	33983	13261
18	79220	77717	70889	64061	57233	50485	43577	13696
19	116462	116124	105504	94884	84264	73644	63024	14228
20	234852	230806	207991	185975	163960	141945	119930	14681
21	30277	27566	25873	24179	22485	20792	19098	15215
22	33476	30111	28392	26672	24953	23234	21514	15745
23	37564	35249	33095	30948	28786	26632	24478	16083
24	25271	32885	30248	28394	26549	24703	22857	16386
25	26482	30328	28722	27116	25518	23904	22298	16752
26	28428	25288	24858	22819	21588	20358	19127	17187
27	52233	37138	35088	33038	30981	28931	26882	17743
28	28699	37502	35434	33366	31299	29231	27164	17929
29	28861	36858	34881	32912	30943	28974	27005	18134
30	35817	31144	29636	28528	27220	25912	24604	18339
31	11963	16586	16661	16817	16972	17128	17283	18466
32	11858	15187	15485	15782	16080	16378	16675	18508
33	11895	11895	12549	13202	13856	14510	15163	18640
34	11796	11796	12475	13155	13834	14514	15193	18755
35	11933	11933	12633	13333	14033	14732	15432	18931

Table I-82
Navy Officer Pay Component of ACOL

FILE: ACOLMATO PAGF2N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:25:38 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

--- ACOL PAY COMPONENT ---

CASE NO. / YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
2	5514	5183	5787	5787	5787	5917	5917	6437
3	5935	6882	6882	6761	6761	6761	6892	7415
4	6587	6587	6735	6735	7426	7426	7561	8099
5	7857	6583	7857	7857	7218	7925	8866	8623
6	7136	6615	6615	7136	7303	8077	8077	8825
7	6788	6788	6788	6788	7277	7457	8288	9084
8	6711	6711	6711	6711	6711	7343	8441	9294
9	6869	6869	6869	6869	6869	6869	7765	9625
10	7005	7005	7005	7005	7005	7005	7005	9956
11	7414	7414	7414	7414	7414	7414	7414	10467
12	7576	7576	7576	7576	7576	7576	7576	10834
13	7871	7871	7871	7871	7871	7871	7871	11289
14	8074	8074	8074	8074	8074	8074	8074	11785
15	8586	8586	8586	8586	8586	8586	8586	12238
16	8893	8893	8893	8893	8893	8893	8893	12748
17	9388	9388	9388	9388	9388	9388	9388	13261
18	9438	9438	9438	9438	9438	9438	9438	13696
19	9924	9924	9924	9924	9924	9924	9924	14228
20	9853	9853	9853	9853	9853	9853	9853	14681
21	10631	10631	10631	10631	10631	10631	10631	15215
22	12917	12917	12917	12917	12917	12917	12917	15743
23	13706	13706	13706	13706	13706	13706	13706	16083
24	13629	13629	13629	13629	13629	13629	13629	16384
25	14268	14268	14268	14268	14268	14268	14268	16752
26	14742	12974	12974	12974	12974	12974	12974	17107
27	16633	16633	16633	16633	16633	16633	16633	17743
28	16826	16826	16826	16826	16826	16826	16826	17929
29	17159	17159	17159	17159	17159	17159	17159	18134
30	18065	18065	18065	18065	18065	18065	18065	18339
31	18061	18061	18061	18061	18061	18061	18061	18466
32	18163	18163	18163	18163	18163	18163	18163	18508
33	18432	18432	18432	18432	18432	18432	18432	18648
34	18598	18598	18598	18598	18598	18598	18598	18755
35	18931	18931	18931	18931	18931	18931	18931	18931

Table I-83
Navy Officer Retirement Component of ACOL

FILE: ACOLMATO PAGE3N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:25:38 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
INLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** ACOL RETIREMENT COMPONENT ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
2	4896	5098	3960	3528	3088	2522	2102	0
3	6036	5623	5061	3862	3379	2897	2304	0
4	6673	6367	5583	4963	3701	3172	2520	0
5	7378	7536	6336	5632	4791	3471	2754	0
6	8167	8421	7579	6234	5298	3798	3165	0
7	9647	9448	8496	7552	6048	5013	3465	0
8	10854	10621	9559	8497	7434	5768	3795	0
9	12272	12008	10807	9607	8406	7205	5137	0
10	13961	13660	12294	10928	9562	8196	6830	0
11	16092	15657	14092	12526	10960	9394	7829	0
12	18509	18111	16300	14489	12677	10866	9055	0
13	21664	21198	19078	16958	14838	12719	10599	0
14	25742	25188	22669	20150	17631	15113	12594	0
15	31206	30534	27480	24427	21374	18320	15267	0
16	38883	38046	34241	30437	26632	22828	19023	0
17	50452	49365	44428	39492	34555	29619	24682	0
18	69782	68279	61451	54623	47795	40967	34139	0
19	108538	106200	95580	84960	74340	63720	53100	0
20	224999	220153	198138	176123	154107	132092	110077	0
21	19646	16936	15242	13548	11855	10161	8468	0
22	20559	17194	15475	13755	12036	10317	8597	0
23	23858	21542	19388	17234	15080	12925	10771	0
24	11642	18456	16610	14765	12919	11074	9228	0
25	12214	16061	14455	12849	11243	9637	8030	0
26	13678	12307	11076	9845	8615	7384	6153	0
27	35600	22496	18447	16397	14347	12298	10248	0
28	11873	20676	18608	16541	14473	12406	10338	0
29	11702	19691	17722	15753	13784	11815	9846	0
30	17753	13079	11771	10463	9155	7847	6548	0
31	-6097	-1555	-1400	-1244	-1089	-933	-778	0
32	-6305	-2976	-2678	-2381	-2083	-1785	-1488	0
33	-6537	-6537	-5883	-5229	-4576	-3922	-3268	0
34	-6794	-6794	-6115	-5436	-4756	-4077	-3397	0
35	-6998	-6998	-6298	-5599	-4899	-4199	-3499	0

Table I-84
Navy Officer Force Structures

FILE: ACOLMATO PAGE4N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:25:38 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** FORCE TABLE ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1	6114	6146	6398	6661	6934	7215	7493	8671
2	5879	5908	6145	6393	6650	6912	7174	8275
3	5472	5493	5708	5917	6142	6376	6597	7543
4	4960	4972	5145	5324	5511	5700	5887	6657
5	4355	4367	4486	4619	4758	4899	5037	5592
6	3703	3696	3778	3862	3949	4038	4126	4464
7	3173	3162	3207	3252	3298	3345	3394	3570
8	2761	2747	2763	2778	2791	2805	2823	2882
9	2490	2474	2474	2471	2466	2460	2458	2450
10	2293	2276	2264	2249	2231	2211	2193	2137
11	2035	2016	1989	1959	1924	1887	1851	1731
12	1834	1814	1778	1738	1693	1646	1598	1436
13	1707	1688	1648	1604	1555	1503	1450	1266
14	1617	1598	1555	1507	1455	1399	1341	1135
15	1559	1540	1494	1443	1387	1327	1264	1031
16	1516	1496	1448	1394	1334	1269	1201	933
17	1474	1454	1404	1346	1282	1211	1134	802
18	1423	1403	1350	1287	1215	1132	1040	665
19	1377	1362	1308	1247	1175	1090	993	498
20	1302	1319	1268	1208	1138	1056	961	281
21	979	947	881	810	735	655	571	150
22	811	752	683	612	540	467	393	98
23	701	636	565	493	422	353	287	55
24	601	575	504	435	367	302	241	43
25	509	504	436	370	307	248	194	32
26	433	415	354	296	241	192	147	23
27	329	359	301	246	196	152	113	15
28	268	312	257	206	160	121	88	10
29	213	276	223	176	134	99	70	7
30	166	227	180	140	105	76	52	5
31	95	145	116	90	68	49	34	3
32	54	90	72	57	43	31	22	2
33	31	51	42	33	26	19	14	1
34	18	29	24	20	15	12	8	1
35	10	16	14	12	9	7	5	1
TTL ENDSTRENGTH	62255	62255	62255	62255	62255	62255	62255	62255
EXP. SERV. LIFE	10	10	10	9	9	9	8	7

Table I-85
Navy Nonprior Service Officer Reenlistment Rates

FILE: ACOLMATO PAGE5N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT-- DATE OF RUN: 11/21/83 16:25:38 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** REENLISTMENT RATES ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.964	.963	.962	.961	.960	.959	.958	.953
3	.914	.913	.910	.907	.904	.901	.899	.887
4	.907	.906	.902	.898	.895	.892	.888	.875
5	.862	.859	.854	.848	.842	.837	.831	.810
6	.823	.820	.812	.804	.795	.788	.781	.753
7	.825	.823	.814	.805	.795	.786	.778	.746
8	.837	.835	.825	.815	.804	.793	.784	.750
9	.868	.868	.860	.872	.863	.853	.843	.813
10	.919	.917	.910	.903	.895	.886	.877	.847
11	.891	.889	.879	.867	.855	.842	.828	.770
12	.925	.924	.915	.905	.895	.883	.870	.821
13	.966	.965	.960	.954	.948	.941	.933	.897
14	.977	.976	.972	.967	.961	.955	.947	.909
15	.984	.983	.979	.975	.969	.963	.955	.910
16	.989	.988	.985	.981	.976	.969	.961	.902
17	.991	.990	.987	.982	.975	.966	.954	.842
18	.993	.992	.987	.980	.969	.953	.929	.651
19	.995	.999	.999	.997	.995	.989	.979	.659
20	.971	1.000	1.000	1.000	1.000	1.000	.999	.665
21	.752	.718	.695	.671	.646	.621	.594	.532
22	.828	.795	.770	.750	.734	.712	.689	.603
23	.864	.845	.826	.805	.782	.757	.731	.611
24	.858	.904	.893	.881	.868	.854	.838	.773
25	.846	.876	.864	.851	.838	.823	.807	.745
26	.851	.823	.811	.799	.786	.772	.758	.733
27	.761	.867	.850	.833	.813	.792	.769	.648
28	.790	.869	.853	.836	.816	.795	.772	.650
29	.817	.883	.869	.854	.837	.819	.799	.698
30	.782	.822	.809	.795	.781	.766	.751	.667
31	.572	.640	.642	.644	.647	.649	.651	.668
32	.572	.620	.624	.629	.633	.638	.642	.669
33	.572	.598	.579	.589	.599	.609	.619	.671
34	.572	.587	.577	.588	.599	.609	.620	.673
35	.572	.569	.580	.591	.602	.613	.624	.675

Table I-86
Navy Officer Continuation Rates

FILE: ACOLMATO PAGF6N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:25:38 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
INLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** CONTINUATION RATES ***

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.962	.961	.960	.960	.959	.958	.957	.954
3	.931	.930	.928	.926	.924	.922	.920	.912
4	.906	.905	.902	.900	.897	.895	.892	.883
5	.878	.876	.872	.868	.863	.859	.856	.848
6	.850	.848	.842	.838	.830	.824	.819	.798
7	.857	.856	.849	.842	.835	.828	.823	.800
8	.870	.869	.861	.854	.846	.839	.832	.807
9	.902	.901	.895	.890	.883	.877	.870	.850
10	.921	.920	.915	.910	.905	.899	.893	.872
11	.887	.886	.879	.871	.862	.853	.844	.810
12	.901	.900	.894	.887	.880	.872	.863	.829
13	.931	.930	.927	.923	.918	.913	.907	.882
14	.947	.947	.943	.940	.936	.931	.925	.896
15	.964	.963	.961	.957	.953	.948	.943	.908
16	.972	.972	.969	.966	.962	.957	.951	.905
17	.973	.972	.969	.966	.960	.954	.944	.860
18	.965	.965	.961	.956	.948	.935	.917	.785
19	.968	.971	.970	.969	.967	.963	.955	.789
20	.945	.968	.968	.968	.968	.968	.968	.783
21	.752	.718	.695	.671	.646	.621	.594	.532
22	.828	.795	.776	.756	.734	.712	.689	.603
23	.864	.845	.826	.805	.782	.757	.731	.611
24	.858	.904	.893	.881	.868	.854	.838	.773
25	.846	.876	.864	.851	.838	.823	.807	.745
26	.851	.823	.811	.799	.786	.772	.758	.733
27	.761	.867	.850	.833	.813	.792	.769	.648
28	.790	.869	.853	.836	.816	.795	.772	.650
29	.817	.883	.869	.854	.837	.819	.799	.698
30	.782	.822	.809	.795	.781	.766	.751	.667
31	.572	.640	.642	.644	.647	.649	.651	.668
32	.572	.620	.624	.629	.633	.638	.642	.669
33	.572	.568	.579	.589	.599	.609	.619	.671
34	.572	.567	.577	.588	.599	.609	.620	.673
35	.572	.569	.580	.591	.602	.613	.624	.675

Table I-87
Navy Officer Survival Rates

FILE: ACOLMATO PAGE7N A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:25:38 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **AGGREGATE**

CURRENT								
YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

=== SURVIVAL RATES ===

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.962	.961	.960	.960	.959	.958	.957	.954
3	.895	.894	.891	.888	.886	.883	.880	.878
4	.811	.809	.804	.799	.795	.790	.786	.768
5	.712	.709	.701	.694	.686	.679	.672	.645
6	.606	.601	.590	.580	.569	.560	.551	.515
7	.519	.515	.501	.488	.476	.464	.453	.412
8	.452	.447	.432	.417	.403	.389	.377	.332
9	.407	.402	.387	.371	.356	.341	.328	.285
10	.375	.370	.354	.338	.322	.307	.293	.246
11	.333	.328	.311	.294	.277	.262	.247	.200
12	.300	.295	.278	.261	.244	.228	.213	.166
13	.279	.275	.258	.241	.224	.208	.193	.146
14	.265	.260	.243	.226	.210	.194	.179	.131
15	.255	.250	.234	.217	.200	.184	.169	.119
16	.248	.243	.226	.209	.192	.176	.160	.108
17	.241	.237	.219	.202	.185	.168	.151	.092
18	.235	.228	.211	.193	.175	.157	.139	.085
19	.225	.222	.205	.187	.169	.151	.133	.046
20	.215	.215	.198	.181	.164	.146	.128	.032
21	.168	.154	.138	.122	.106	.091	.078	.017
22	.133	.122	.107	.092	.078	.065	.052	.010
23	.115	.103	.088	.074	.061	.049	.038	.006
24	.098	.094	.079	.065	.053	.042	.032	.005
25	.083	.082	.068	.056	.044	.034	.026	.004
26	.071	.067	.055	.044	.035	.027	.020	.003
27	.054	.058	.047	.037	.028	.021	.015	.002
28	.043	.051	.040	.031	.023	.017	.012	.001
29	.035	.045	.035	.026	.019	.014	.009	.001
30	.027	.037	.028	.021	.015	.010	.007	.001
31	.016	.024	.018	.014	.010	.007	.005	.000
32	.009	.015	.011	.008	.006	.004	.003	.000
33	.005	.008	.007	.005	.004	.003	.002	.000
34	.003	.005	.004	.003	.002	.002	.001	.000
35	.002	.003	.002	.002	.001	.001	.001	.000

Table I-88
Navy Officer Present Value Gap

FILE: NO14 PVGN A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:25:38 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG.-CPI:	.000	.000	.000	.000	.000	.000	.000	.000

=== 1: PRESENT VALUE GAP 2: YR PV MAX ===

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
2	114803	-7261	-4691	-9662	-14633	-18445	-23245	-38110
2	26	23	28	28	28	29	29	34
3	125485	-401	-6410	-3088	-8651	-14213	-18288	-34922
3	21	22	22	27	27	27	28	33
4	138688	-3196	-7078	-13698	-9542	-15677	-20171	-38519
4	20	20	21	21	26	26	27	32
5	149517	-15297	-10792	-18084	-22257	-17167	-22088	-42178
5	19	16	19	19	20	25	26	31
6	156090	-16074	-24482	-19711	-24269	-18712	-26035	-45974
6	18	15	15	18	19	24	24	30
7	147059	-1868	-10356	-18843	-13810	-18714	-12843	-33718
7	14	14	14	14	17	18	23	29
8	152027	-2023	-11215	-20407	-29600	-24313	-13843	-36516
8	13	13	13	13	13	16	22	28
9	158249	-2185	-12113	-22048	-31967	-41895	-31946	-39437
9	12	12	12	12	12	12	16	27
10	164685	-2358	-13069	-23781	-34493	-45265	-55916	-42553
10	11	11	11	11	11	11	11	26
11	172850	-2544	-14102	-25668	-37218	-48776	-60334	-45915
11	10	10	10	10	10	10	10	25
12	179124	-2737	-15174	-27610	-40046	-52483	-64919	-49404
12	9	9	9	9	9	9	9	24
13	186449	-2945	-16327	-29708	-43090	-56471	-69853	-53159
13	8	8	8	8	8	8	8	23
14	193128	-3166	-17551	-31937	-46322	-60707	-75092	-57146
14	7	7	7	7	7	7	7	22
15	201124	-3404	-18868	-34332	-49796	-65260	-80724	-61432
15	6	6	6	6	6	6	6	21
16	208364	-3652	-20245	-36838	-53431	-70024	-86617	-65916
16	5	5	5	5	5	5	5	20
17	215703	-3923	-21743	-39564	-57385	-75206	-93026	-70794
17	4	4	4	4	4	4	4	19
18	221856	-4209	-23331	-42452	-61574	-80696	-99817	-75962
18	3	3	3	3	3	3	3	18
19	228665	-4516	-25034	-45551	-66069	-86586	-107104	-81507
19	2	2	2	2	2	2	2	17
20	234852	-4846	-26861	-48876	-70892	-92907	-114922	-87457
20	1	1	1	1	1	1	1	16
21	30277	-2710	-4404	-6098	-7791	-9485	-11178	117168
21	1	1	1	1	1	1	1	15

Table I-88 (Con't)
Navy Officer Present Value Gap

FILE: NO14 PVGN A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

22	33476	-3365	-5084	-6804	-8523	-10243	-11962	113052
22	1	1	1	1	1	1	1	14
23	37564	-2315	-4470	-6624	-8778	-10932	-13087	105667
23	1	1	1	1	1	1	1	13
24	25271	6814	4969	3123	1278	-568	-2414	113588
24	1	1	1	1	1	1	1	12
25	26482	3847	2241	635	-971	-2577	-4184	107585
25	1	1	1	1	1	1	1	11
26	54980	-29700	-30931	-32161	-33392	-34623	-35853	73359
26	2	1	1	1	1	1	1	10
27	52233	-15184	-17153	-19203	-21253	-23302	-25352	71288
27	1	1	1	1	1	1	1	9
28	28699	8803	6735	4668	2600	532	-1535	85692
28	1	1	1	1	1	1	1	8
29	28861	7989	6020	4051	2082	113	-1856	75631
29	1	1	1	1	1	1	1	7
30	35817	-4674	-5982	-7289	-8597	-9905	-11213	57717
30	1	1	1	1	1	1	1	6
31	11963	4542	4698	4853	5009	5164	5320	68789
31	1	1	1	1	1	1	1	5
32	11858	3329	3627	3924	4222	4520	4817	55222
32	1	1	1	1	1	1	1	4
33	11895	0	654	1307	1961	2615	3268	40446
33	1	1	1	1	1	1	1	3
34	11796	0	679	1359	2038	2718	3397	24487
34	1	1	1	1	1	1	1	2
35	11933	0	700	1400	2099	2799	3499	6998
35	1	1	1	1	1	1	1	1

Table I-90
Navy Officer 30% Decrement to Multiplier
Force Grade Strengths

FILE: NO147G SETFCN A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

ACOL OUTPUT DATE OF RUN: 11/21/85 16:25:38 BASE YEAR: SEVEN YEAR AVG?
SERVICE: NAVY OFFICERS 14 **AGGREGATE**
CURRENT
USN 14 ACOL TEST=20;ANU=42;MULT=.825;HI AVG=3;DEC=Y;CHPAY=N;DUAL TRK=N;BETA= .000065;ENLOSS= .00;INC COLA=N

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	6934	0	0	0	0	0	0	0	0	6934	285	.041	.959	1.000
2	6650	0	0	0	0	0	0	0	0	6650	508	.076	.924	.959
3	0	6142	0	0	0	0	0	0	0	6142	631	.103	.897	.886
4	0	5511	0	0	0	0	0	0	0	5511	753	.137	.863	.795
5	0	0	4758	0	0	0	0	0	0	4758	809	.170	.830	.686
6	0	0	3949	0	0	0	0	0	0	3949	651	.165	.835	.569
7	0	0	3298	0	0	0	0	0	0	3298	506	.154	.846	.476
8	0	0	2787	5	0	0	0	0	0	2791	325	.117	.883	.403
9	0	0	2374	92	0	0	0	0	0	2466	235	.095	.905	.356
10	0	0	1766	465	0	0	0	0	0	2231	307	.138	.862	.322
11	0	0	643	1281	0	0	0	0	0	1924	231	.120	.880	.277
12	0	0	454	1240	0	0	0	0	0	1693	138	.082	.918	.244
13	0	0	159	1396	0	0	0	0	0	1555	100	.064	.936	.224
14	0	0	41	1400	14	0	0	0	0	1455	68	.047	.953	.210
15	0	0	0	1324	63	0	0	0	0	1387	53	.038	.962	.200
16	0	0	0	829	506	0	0	0	0	1334	53	.040	.960	.192
17	0	0	0	462	820	0	0	0	0	1282	67	.052	.948	.185
18	0	0	0	356	859	0	0	0	0	1215	40	.033	.967	.175
19	0	0	0	323	850	2	0	0	0	1175	37	.032	.968	.169
20	0	0	0	284	800	53	0	0	0	1138	402	.354	.646	.164
21	0	0	0	91	586	59	0	0	0	735	195	.266	.734	.106
22	0	0	0	45	260	235	0	0	0	540	118	.218	.782	.078
23	0	0	0	33	181	208	0	0	0	422	56	.132	.868	.061
24	0	0	0	27	138	202	0	0	0	367	60	.162	.838	.053
25	0	0	0	17	107	183	0	0	0	307	66	.214	.786	.044
26	0	0	0	0	78	164	0	0	0	241	45	.187	.813	.035
27	0	0	0	0	44	152	0	0	0	196	36	.184	.816	.028
28	0	0	0	0	29	131	0	0	0	160	26	.163	.837	.023
29	0	0	0	0	18	116	0	0	0	134	29	.219	.781	.019
30	0	0	0	0	0	105	0	0	0	105	37	.353	.647	.015
31	0	0	0	0	0	68	0	0	0	68	25	.367	.633	.010
32	0	0	0	0	0	43	0	0	0	43	17	.401	.599	.006
33	0	0	0	0	0	26	0	0	0	26	10	.401	.599	.004
34	0	0	0	0	0	15	0	0	0	15	6	.398	.602	.002
35	0	0	0	0	0	9	0	0	0	9	9	1.000	.000	.001
TOTAL	13584	11653	20228	9671	5358	1769	0	0	0	62255	6934	.192	.808	8.978
PERCENT	22	19	32	16	9	3	0	0	0	100				
CEILING	14	14	34	20	12	5	0	0	0	0				

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Table I-91
Navy Officer Cost Summary

```
FILE: COST14NO COSTON   A1                    VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT        DATE OF RUN: 11/21/83    16:25:38 BASE YEAR: SEVEN YEAR AVG.
SERVICE: NAVY              OFFICERS          14 **AGGREGATE**
CURRENT
IR VESTED:           20       20       20       20       20       20       20       20
ANNUITY AGE:         42       42       42       42       42       42       42       42
MULTIPLIER:        .025     .025     .025     .025     .025     .025     .025     .025
DECREMENTED?          Y        Y        Y        Y        Y        Y        Y        N
PAY CHANGES?          N        N        N        N        N        N        N        N
BETA WT.:    .000065  .000065  .000065  .000065  .000065  .000065  .000065  .000065
ENLOSS:          .000     .000     .000     .000     .000     .000     .000     .000
COLA ADJ?             N        N        N        N        N        N        N        N
AVG. CPI:        .000     .000     .000     .000     .000     .000     .000     .000
--- SUMMARY TABLE   : MILITARY PAY  ( MIL'S) FOR YEAR 81 ---
 CASE NO.      : BASE          1        2        3        4        5        6        7
  YEAR OF SERVICE
  1  -  4 YEARS   462.55   464.42   482.13   500.67   519.90   539.46   558.94   640.27
  5  - 10 YEARS   603.32   601.21   669.32   617.37   625.41   633.61   642.04   674.93
 11  - 20 YEARS   640.39   634.30   615.83   594.69   570.77   544.21   515.52   376.93
 21  - 30 YEARS   252.69   253.94   222.01   191.12   161.59   133.81   108.07    21.21
 MORE THAN 30 Y    11.57    18.39    14.89    11.72     8.94     6.57     4.63      .44
 -- TOTAL --     1970.70  1972.27  1944.18  1915.56  1886.61  1857.66  1829.20  1713.78

--- MILITARY PAY ( MIL'S) FOR YEAR 81, BY SOURCE ---
 CASE NO.      : BASE          1        2        3        4        5        6        7
  YEAR OF SERVICE
BASE PAY       1447.56  1449.94  1426.46  1402.77  1378.92  1355.24  1332.88  1230.37
BAS              60.83    60.83    60.82    60.82    60.83    60.83    60.83    50.82
VHA              61.15    61.10    60.36    59.58    58.79    57.97    57.15    53.72
BAQ             267.93   267.97   265.28   262.51   259.70   256.88   254.09   242.71
S+I             113.25   112.43   111.23   109.87   108.37   106.75   105.06    97.15
XMAS BONUS         .00      .00      .00      .00      .00      .00      .00      .00
--TOTAL--      1970.70  1972.27  1944.18  1915.56  1886.61  1857.66  1829.20  1713.78


--- SUMMARY TABLE   : RETIREMENT  ( MIL'S) FOR YEAR 81 ---
 CASE NO.      : BASE          1        2        3        4        5        6        7
  YEAR OF SERVICE
  1  -  4 YEARS     5.35     5.33     5.14     4.89     4.57     4.17     3.70      .00
  5  - 10 YEARS    56.62    55.76    55.29    50.29    46.69    42.44    37.47      .00
 11  - 20 YEARS   320.24   323.15   300.96   275.46   247.19   217.19   184.09      .00
 21  - 30 YEARS   646.99   564.66   480.55   398.87   320.28   247.27   181.55      .00
 MORE THAN 30 Y    78.47   118.53    85.56    58.86    39.17    24.34    14.09      .00
 -- TOTAL --     1107.67  1067.43   925.50   788.37   657.71   535.41   420.89      .00


 TAX ADV( MIL'S):  173.69   174.06   170.52   166.95   163.37   159.82   156.36   142.5


 -> -> -> ->   TOTAL COST  ( MIL'S) FOR YEAR 81
 MILITARY       1970.70  1972.27  1944.18  1915.56  1886.61  1857.66  1829.20  1713.78
 RETIREMENT     1107.67  1067.43   925.50   788.37   657.71   535.41   420.89      .00
 DEATH BEN.         .23      .23      .23      .23      .22      .20      .19      .18

 -- TOTAL -     3078.60  3039.94  2869.91  2704.15  2544.54  2393.28  2250.28  1713.96
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Table I-92
USMC Officer Military versus Civilian Income Streams

FILE: ACOLMATO INCOM A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

* * * * * INCOME STREAMS: MILITARY PAY * * * * * *
SCENARIO NO. 0 0 : BASECASE

AGE	(LOS)	BASE	BAS	VHA	BAQ	SIPAY	TAXES	XBONUS	MILPAY	ANNUITY	CIVW
22	1	14605	1298	579	3651	0	2020	0	22154	0	22484
23	2	14605	1298	579	3635	0	2020	0	22138	0	23525
24	3	15952	1298	579	3662	2	2020	0	23513	0	24575
25	4	19224	1298	592	3799	289	2061	0	27263	0	25631
26	5	21984	1298	744	4306	34	2544	0	30829	0	26690
27	6	22060	1298	756	4382	52	2583	0	31131	0	27749
28	7	23199	1298	762	4446	51	2604	0	32361	0	28804
29	8	23209	1298	763	4513	53	2606	0	32442	0	29851
30	9	24048	1298	763	4496	170	2606	0	33381	0	30888
31	10	24107	1298	767	4593	67	2662	0	33515	0	31909
32	11	26288	1298	1028	4978	889	3213	0	37694	0	32913
33	12	26376	1298	1053	5037	1374	3269	0	38407	0	33893
34	13	28019	1298	1097	5091	792	3370	0	39667	0	34848
35	14	28128	1298	1119	5143	496	3452	0	39636	0	35773
36	15	29432	1298	1119	5179	358	3451	0	40838	0	36664
37	16	29462	1298	1121	5178	1327	3473	0	41859	0	37518
38	17	32627	1298	1204	5597	1488	4345	0	46551	0	38330
39	18	32775	1298	1218	5626	1413	4415	0	46738	0	39098
40	19	34481	1298	1212	5638	914	4429	0	47972	0	39818
41	20	34550	1298	1214	5680	724	4452	0	47919	17275	40487
42	21	35919	1298	1227	5717	679	4593	0	49433	18857	41102
43	22	38396	1298	1139	6013	761	5561	0	53169	21118	41668
44	23	40791	1298	1117	6149	415	5749	0	55519	23455	42159
45	24	40888	1298	1113	6182	260	5778	0	55511	24528	42596
46	25	41144	1298	1103	6205	254	5865	0	55869	25715	42969
47	26	41362	1298	1094	6241	324	5937	0	56256	26885	43277
48	27	44147	1298	1092	6249	210	5953	0	58950	29799	43517
49	28	43869	1298	1099	6195	267	5900	0	58628	30708	43690
50	29	46188	1298	1046	6394	14	6341	0	61280	33486	43793
51	30	46188	1298	1046	6340	15	6341	0	61228	34641	43828
52	31	46188	1298	1046	6339	15	6341	0	61227	34641	43792
53	32	46188	1298	1046	6232	15	6341	0	61120	34641	43687
54	33	46188	1298	1046	6426	15	6341	0	61314	34641	43514
55	34	46188	1298	1046	6426	15	6341	0	61314	34641	43272
56	35	46188	1298	1046	6426	15	6341	0	61314	34641	42963
57	36	0	0	0	0	0	0	0	0	34641	42589
58	37	0	0	0	0	0	0	0	0	34641	42151
59	38	0	0	0	0	0	0	0	0	34641	41651
60	39	0	0	0	0	0	0	0	0	34641	41092
61	40	0	0	0	0	0	0	0	0	34641	40470
62	41	0	0	0	0	0	0	0	0	34641	39806
63	42	0	0	0	0	0	0	0	0	34641	39085
64	43	0	0	0	0	0	0	0	0	34641	38317
TOTALS:		1154875	45440	34595	188165	13757	151315	0	1588137	736800	1612434

* * * * * INCOME STREAMS: MILPAY VS. OTHERS * * * * * *
SCENARIO NO. 0 0 : BASECASE

Table I-93
USMC Officer Annualized Cost of Leaving (ACOL)

FILE: ACOLMATO PAGE1M A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:33:17 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**
CURRENT
IR VESTED: 20 20 20 20 20 20 20 20
ANNUITY AGE: 42 42 42 42 42 42 42 42
MULTIPLIER: .025 .025 .025 .025 .025 .025 .025 .025
DECREMENTED? Y Y Y Y Y Y Y N
PAY CHANGES? N N N N N N N N
BETA WT.: .000065 .000065 .000065 .000065 .000065 .000065 .000065 .000065
ENLOSS: .000 .000 .000 .000 .000 .000 .000 .000
COLA ADJ? N N N N N N N N
AVG. CPI: .000 .000 .000 .000 .000 .000 .000 .000

*** ACOL MATRIX ***

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
2	9070	8832	8320	7870	7432	7011	6589	5035
3	10197	9982	9326	8760	8285	7817	7355	5624
4	11373	11034	10398	9765	9173	8650	8145	6226
5	12403	12065	11303	10602	9901	9305	8750	6626
6	13286	12824	12049	11275	10501	9791	9178	6841
7	14362	13843	12965	12109	11253	10398	9717	7142
8	15563	15131	14065	13079	12081	11133	10294	7454
9	17046	16769	15564	14360	13155	12076	11033	7886
10	18981	18733	17363	15993	14622	13252	11994	8355
11	21521	21237	19666	18095	16525	14954	13564	8955
12	24144	23815	21998	20182	18365	16548	14732	9338
13	27490	27105	24979	22852	20726	18640	16473	9789
14	31757	31308	28773	26247	23720	21194	18667	10227
15	37678	37123	34061	30998	27935	24672	21809	10827
16	45921	45238	41414	37597	33781	29965	26148	11466
17	58292	57395	52443	47491	42549	37588	32636	12166
18	77476	76236	69387	62538	55689	48640	41991	12563
19	116263	114333	103680	93028	82375	71722	61069	13074
20	232265	228264	206181	184098	162014	139931	117848	13599
21	26837	24581	22884	21267	19650	18033	16416	14282
22	38484	29988	28133	26286	24439	22592	20745	14967
23	40713	37877	35425	32973	30522	28070	25618	15383
24	23188	34399	32251	30102	27954	25805	23657	15639
25	24729	29598	27921	26252	24583	22914	21245	16003
26	23725	23383	22271	21238	20206	19174	18141	16446
27	47014	33861	31298	29535	27772	26010	24247	16980
28	21456	31037	29427	27817	26207	24597	22987	17230
29	45688	39447	37251	35055	32859	30663	28467	17667
30	25208	30919	29567	28215	26864	25512	24160	17765
31	11337	18106	18039	17972	17905	17838	17770	17779
32	11128	11128	11758	12389	13019	13650	14280	17881
33	11263	11263	11917	12571	13224	13878	14532	18052
34	11247	11247	11927	12606	13286	13965	14645	18191
35	11352	11352	12052	12752	13452	14152	14851	18350

Table I-94
USMC Officer Pay Component of ACOL

FILE: ACOLMAT0 PAGE2M A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:33:17 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**

CURRENT								
YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMINTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

--- ACOL PAY COMPONENT ---

CASE NO. :	BASE	1	2	3	4	5	6	7
YEAR OF SERVICE								
2	3454	3617	3765	4343	4482	4482	4482	5035
3	3971	4141	4141	4900	4900	5045	5045	5624
4	4501	4679	4679	4679	5466	5618	5818	6220
5	4805	4993	4993	4993	4993	5828	5989	6624
6	4876	5092	5082	5082	5082	5987	6160	6841
7	5038	4375	5262	5262	5262	6233	6419	7142
8	5203	4477	4477	5445	5445	5445	6686	7454
9	5581	4724	4724	4724	4724	5760	6865	7880
10	5030	5030	5030	5030	5030	5030	6132	8355
11	5531	5531	5531	5531	5531	5531	5531	8956
12	5648	5648	5648	5648	5648	5648	5648	9330
13	5842	5842	5842	5842	5842	5842	5842	9769
14	6034	6034	6034	6034	6034	6034	6034	10227
15	6495	6495	6495	6495	6495	6495	6495	10827
16	7067	7067	7067	7067	7067	7067	7067	11466
17	7877	7877	7877	7877	7877	7877	7877	12166
18	7746	7746	7746	7746	7746	7746	7746	12583
19	7805	7805	7805	7805	7805	7805	7805	13074
20	7431	7431	7431	7431	7431	7431	7431	13599
21	8331	8331	8331	8331	8331	8331	8331	14282
22	11509	11509	11509	11509	11509	11509	11509	14967
23	13368	13368	13368	13368	13368	13368	13368	15383
24	12915	12915	12915	12915	12915	12915	12915	15639
25	12908	12908	12908	12908	12908	12908	12908	16003
26	14165	12980	12980	12980	12980	12980	12980	16446
27	15433	15433	15433	15433	15433	15433	15433	16980
28	14938	14938	14938	14938	14938	14938	14938	17239
29	17487	17487	17487	17487	17487	17487	17487	17667
30	17408	17408	17408	17408	17408	17408	17408	17705
31	17434	17434	17434	17434	17434	17434	17434	17779
32	17433	17433	17433	17433	17433	17433	17433	17381
33	17800	17800	17800	17800	17800	17800	17800	18052
34	18042	18042	18042	18042	18042	18042	18042	18191
35	18350	18350	18350	18350	18350	18350	18350	18350

Table I-95
USMC Officer Retirement Component of ACOL

FILE: ACOLMATO PAGESM A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:33:17 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** ACOL RETIREMENT COMPONENT ***

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
2	5616	5214	4555	3526	2951	2529	2108	0
3	6216	5760	5184	3860	3385	2772	2310	0
4	6871	6355	5720	5084	3707	3032	2527	0
5	7598	7011	6310	5609	4908	3477	2762	0
6	8410	7741	6907	6193	5419	3805	3018	0
7	9324	9489	7703	6847	5991	4165	3299	0
8	10360	10653	9588	7584	6636	5088	3628	0
9	11544	12045	10841	9636	6432	6316	4168	0
10	13951	13703	12332	10962	9592	6222	5862	0
11	15998	15706	14135	12564	10994	9423	7853	0
12	18496	18167	16350	14533	12717	10900	9083	0
13	21648	21263	19137	17010	14884	12758	10631	0
14	25723	25265	22739	20212	17686	15159	12633	0
15	31183	30628	27565	24502	21440	18377	15314	0
16	38855	38183	34347	30531	26714	22898	19082	0
17	50414	49517	44566	39614	34662	29710	24759	0
18	69738	68490	61641	54792	47943	41094	34245	0
19	108458	106528	95875	85222	74570	63917	53264	0
20	224833	220833	198749	176666	154583	132500	110416	0
21	18506	18171	14553	12936	11319	9702	8085	0
22	26975	18472	16624	14777	12930	11083	9236	0
23	27353	24517	22065	19613	17162	14710	12258	0
24	10205	21484	19336	17187	15039	12890	10742	0
25	11829	16690	15021	13352	11683	10014	8345	0
26	9560	10323	9291	8258	7226	6194	5162	0
27	31581	17628	15865	14102	12340	10577	8814	0
28	6518	16098	14488	12879	11269	9659	8049	0
29	28201	21960	19764	17568	15372	13176	10980	0
30	7808	13519	12167	10815	9463	8111	6760	0
31	-6097	672	605	538	470	403	336	0
32	-6305	-6305	-5675	-5044	-4414	-3783	-3153	0
33	-6537	-6537	-5883	-5229	-4576	-3922	-3268	0
34	-6794	-6794	-6115	-5436	-4758	-4077	-3397	0
35	-6998	-6998	-6298	-5599	-4899	-4199	-3499	0

Table I-96
USMC Officer Force Structures

FILE: ACOLMATO PAGE4M A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:37:17 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** FORCE TABLE ***

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
1	1739	1762	1818	1876	1935	1994	2052	2285
2	1705	1727	1781	1838	1895	1953	2009	2234
3	1629	1649	1698	1750	1802	1854	1905	2108
4	1401	1414	1450	1486	1524	1561	1597	1737
5	1211	1219	1243	1268	1293	1318	1342	1432
6	1054	1058	1073	1088	1103	1118	1132	1184
7	911	911	918	925	931	938	945	965
8	823	821	824	826	828	830	832	836
9	747	745	743	741	738	736	733	722
10	695	692	689	684	679	674	669	650
11	639	637	632	625	618	611	604	577
12	549	547	539	530	520	509	498	461
13	476	473	462	451	438	424	410	362
14	448	437	426	414	400	386	372	320
15	414	411	400	387	374	359	344	289
16	395	392	380	368	354	338	322	261
17	388	377	366	353	338	322	305	234
18	366	364	352	339	324	307	289	198
19	349	348	336	324	309	293	274	166
20	323	327	317	305	291	275	258	136
21	216	207	193	178	162	146	130	64
22	169	140	125	110	96	82	69	28
23	143	115	100	85	71	58	47	14
24	124	107	92	77	64	52	41	12
25	107	96	81	68	55	44	34	9
26	87	77	64	53	42	33	25	7
27	64	68	56	46	36	28	21	5
28	50	60	49	39	30	23	17	4
29	39	42	32	25	18	13	9	1
30	29	34	26	19	14	10	7	1
31	15	23	17	13	9	6	4	1
32	8	13	10	7	5	4	3	0
33	4	7	6	4	3	2	2	0
34	2	4	3	2	2	1	1	0
35	1	2	2	1	1	1	1	0
TTL ENDSTRENGTH	17303	17303	17303	17303	17303	17303	17303	17303
EXP. SERV. LIFE	10	10	10	9	9	9	8	8

Table I-97

USMC Nonprior Service Officer Reenlistment Rates

FILE: ACOLMATO PAGE5M A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:33:17 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** REENLISTMENT RATES ***

CASE NO. :	BASE	1	2	3	4	5	6	7
YEAR OF SERVICE								
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.982	.982	.981	.981	.980	.980	.979	.977
3	.951	.950	.949	.947	.945	.944	.942	.935
4	.844	.842	.836	.830	.825	.820	.815	.795
5	.856	.846	.840	.834	.828	.822	.817	.795
6	.851	.847	.841	.834	.827	.820	.814	.790
7	.846	.841	.834	.826	.818	.809	.802	.774
8	.900	.898	.891	.885	.878	.871	.865	.842
9	.901	.899	.892	.884	.876	.868	.860	.834
10	.941	.940	.934	.929	.923	.916	.910	.888
11	.949	.949	.943	.938	.931	.925	.917	.892
12	.912	.911	.901	.890	.877	.864	.850	.799
13	.909	.907	.895	.881	.866	.849	.830	.759
14	.973	.972	.967	.961	.955	.947	.938	.898
15	.985	.985	.981	.977	.972	.966	.959	.920
16	.989	.988	.985	.981	.975	.969	.960	.903
17	.994	.994	.991	.988	.984	.977	.969	.892
18	.997	.997	.995	.992	.988	.981	.970	.827
19	.995	1.000	.999	.999	.998	.996	.991	.832
20	.980	1.000	1.000	1.000	1.000	1.000	1.000	.836
21	.667	.633	.608	.583	.557	.531	.505	.470
22	.782	.674	.647	.619	.590	.561	.531	.438
23	.848	.823	.798	.771	.742	.710	.676	.518
24	.866	.931	.921	.910	.898	.885	.869	.798
25	.865	.898	.887	.876	.864	.850	.836	.784
26	.808	.803	.793	.781	.770	.757	.745	.723
27	.738	.887	.875	.862	.848	.833	.818	.735
28	.787	.874	.862	.849	.835	.820	.804	.738
29	.776	.698	.667	.635	.601	.566	.531	.359
30	.742	.819	.806	.792	.777	.761	.745	.658
31	.529	.663	.662	.661	.661	.660	.659	.659
32	.529	.556	.566	.576	.586	.596	.606	.660
33	.529	.558	.561	.579	.589	.600	.610	.663
34	.529	.558	.560	.579	.590	.601	.611	.665
35	.529	.559	.571	.582	.593	.604	.615	.667

Table I-98
USMC Officer Continuation Rates

FILE: ACOLMATO PAGTSM A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:33:17 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**

CURRENT								
YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

--- CONTINUATION RATES ---

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.981	.980	.980	.980	.979	.979	.979	.978
3	.955	.955	.953	.952	.951	.950	.948	.944
4	.860	.858	.854	.850	.846	.842	.838	.824
5	.864	.862	.858	.853	.848	.844	.840	.824
6	.871	.868	.863	.858	.853	.848	.844	.826
7	.864	.861	.856	.850	.845	.839	.834	.816
8	.904	.902	.898	.893	.889	.885	.881	.866
9	.908	.907	.902	.897	.891	.886	.881	.864
10	.930	.930	.927	.923	.920	.916	.912	.900
11	.920	.920	.917	.914	.910	.906	.902	.889
12	.859	.858	.853	.847	.841	.833	.826	.799
13	.866	.865	.858	.851	.843	.834	.823	.785
14	.924	.923	.921	.918	.914	.910	.905	.883
15	.941	.941	.939	.937	.934	.931	.927	.904
16	.954	.954	.952	.949	.946	.942	.937	.902
17	.963	.963	.961	.959	.956	.952	.947	.898
18	.964	.964	.963	.961	.958	.953	.946	.846
19	.952	.956	.956	.955	.954	.953	.950	.835
20	.926	.941	.941	.941	.941	.941	.941	.819
21	.667	.633	.608	.583	.557	.531	.505	.478
22	.782	.674	.647	.619	.590	.561	.531	.438
23	.848	.823	.798	.771	.742	.713	.676	.518
24	.866	.931	.921	.910	.898	.885	.869	.798
25	.865	.898	.887	.876	.864	.850	.836	.784
26	.808	.803	.793	.781	.770	.757	.745	.723
27	.738	.887	.875	.862	.848	.833	.816	.735
28	.787	.874	.862	.849	.835	.822	.804	.738
29	.776	.698	.667	.635	.601	.566	.531	.359
30	.742	.819	.806	.792	.777	.761	.745	.658
31	.529	.663	.662	.661	.661	.660	.659	.659
32	.529	.556	.566	.576	.586	.596	.606	.660
33	.529	.558	.569	.579	.589	.600	.610	.663
34	.529	.558	.569	.579	.590	.601	.611	.665
35	.529	.559	.571	.582	.593	.604	.615	.667

Table I-99
USMC Officer Survival Rates

FILE: ACOLMATO PAGE7M A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOI OUTPUT DATE OF RUN: 11/21/83 16:37:17 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

--- SURVIVAL RATES ---

CASE NO. : BASE		1	2	3	4	5	6	7
YEAR OF SERVICE								
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.981	.980	.980	.980	.979	.979	.979	.978
3	.937	.936	.934	.933	.931	.930	.928	.922
4	.805	.803	.798	.792	.787	.783	.778	.760
5	.696	.692	.684	.676	.668	.661	.654	.627
6	.606	.601	.590	.580	.570	.560	.552	.518
7	.524	.517	.505	.493	.481	.470	.460	.422
8	.473	.466	.453	.441	.428	.416	.406	.366
9	.429	.423	.409	.395	.382	.369	.357	.316
10	.400	.393	.379	.365	.351	.338	.326	.284
11	.368	.362	.347	.333	.319	.306	.294	.253
12	.316	.310	.296	.282	.268	.255	.243	.202
13	.274	.268	.254	.240	.226	.213	.200	.158
14	.253	.248	.234	.221	.207	.194	.181	.140
15	.238	.233	.220	.207	.193	.180	.168	.127
16	.227	.222	.209	.196	.183	.170	.157	.114
17	.219	.214	.201	.188	.175	.162	.149	.103
18	.211	.206	.194	.181	.167	.154	.141	.087
19	.201	.197	.185	.173	.160	.147	.134	.072
20	.186	.186	.174	.162	.150	.138	.126	.059
21	.124	.118	.106	.095	.084	.073	.063	.028
22	.097	.079	.069	.059	.049	.041	.034	.012
23	.082	.065	.055	.045	.037	.029	.023	.006
24	.071	.061	.050	.041	.033	.026	.020	.005
25	.062	.054	.045	.036	.028	.022	.017	.004
26	.050	.044	.035	.028	.022	.017	.012	.003
27	.037	.039	.031	.024	.019	.014	.010	.002
28	.029	.034	.027	.021	.016	.011	.008	.002
29	.022	.024	.018	.013	.009	.006	.004	.001
30	.017	.019	.014	.010	.007	.005	.003	.000
31	.009	.013	.010	.007	.005	.003	.002	.000
32	.005	.007	.005	.004	.003	.002	.001	.000
33	.002	.004	.003	.002	.002	.001	.001	.000
34	.001	.002	.002	.001	.001	.001	.000	.000
35	.001	.001	.001	.001	.001	.000	.000	.000

Table I-100
USMC Officer Present Value Gap

FILE: M014 PVGM A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:33:17 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG..CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** 1: PRESENT VALUE GAP 2: YR PV MAX ***

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
2	94036	-859	-4838	-5135	-9175	-13988	-18801	-34044
2	22	23	24	28	29	29	29	34
3	106779	-962	-7118	-5746	-11319	-15652	-21038	-38095
3	21	22	22	27	27	28	28	33
4	118949	-1061	-7851	-14641	-12484	-17264	-23205	-42019
4	20	21	21	21	26	27	27	32
5	128462	-1162	-8597	-16032	-23467	-20400	-25410	-46011
5	19	20	20	20	20	25	26	31
6	135512	-1266	-9370	-17475	-25579	-22236	-27696	-50152
6	18	19	19	19	19	24	25	30
7	143625	-19150	-10186	-16995	-27804	-24171	-30106	-54515
7	17	14	18	18	18	23	24	29
8	151693	-20740	-29960	-20571	-30112	-39652	-32605	-59040
8	16	13	13	17	17	17	23	28
9	161030	-22399	-32357	-42315	-52273	-42824	-37598	-63763
9	15	12	12	12	12	16	21	27
10	148840	-1946	-12691	-23436	-34181	-44926	-35183	-46578
10	11	11	11	11	11	11	15	26
11	158865	-2100	-13694	-25287	-36861	-48475	-60068	-50258
11	10	10	10	10	10	10	10	25
12	165794	-2260	-14735	-27209	-39684	-52159	-64634	-54078
12	9	9	9	9	9	9	9	24
13	173538	-2432	-15854	-29277	-42700	-56123	-69546	-58188
13	8	8	8	8	8	8	8	23
14	181373	-2614	-17044	-31473	-45903	-60332	-74762	-62552
14	7	7	7	7	7	7	7	22
15	190823	-2810	-18322	-33834	-49345	-64857	-80369	-67243
15	6	6	6	6	6	6	6	21
16	200275	-3015	-19659	-36303	-52947	-69592	-86236	-72152
16	5	5	5	5	5	5	5	20
17	210433	-3238	-21114	-38990	-56866	-74741	-92617	-77491
17	4	4	4	4	4	4	4	19
18	216974	-3475	-22655	-41836	-61017	-80197	-99378	-83148
18	3	3	3	3	3	3	3	18
19	224616	-3728	-24309	-44890	-65471	-86052	-106633	-89218
19	2	2	2	2	2	2	2	17
20	232265	-4001	-26084	-48167	-70250	-92334	-114417	-95731
20	1	1	1	1	1	1	1	16
21	26837	-2336	-3953	-5570	-7187	-8804	-10421	111561
21	1	1	1	1	1	1	1	15

Table I-100 (Con't)
USMC Officer Present Value Gap

FILE: MO14 PVGM A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

22	38464	-8504	-10351	-12198	-14045	-15893	-17740	100818
22	1	1	1	1	1	1	1	14
23	40713	-2837	-5288	-7740	-10192	-12643	-15095	96281
23	1	1	1	1	1	1	1	13
24	23180	11219	9071	6922	4774	2626	477	109356
24	1	1	1	1	1	1	1	12
25	24729	4861	3192	1523	-146	-1815	-3484	103266
25	1	1	1	1	1	1	1	11
26	45899	-22593	-23628	-24660	-25693	-26725	-27757	77483
26	2	1	1	1	1	1	1	10
27	47814	-13953	-15716	-17479	-19241	-21004	-22767	71118
27	1	1	1	1	1	1	1	9
28	21456	9588	7970	6361	4751	3141	1531	88532
28	1	1	1	1	1	1	1	8
29	45688	-6242	-8438	-10634	-12829	-15025	-17221	56111
29	1	1	1	1	1	1	1	7
30	25208	5711	4359	3007	1656	304	-1048	65990
30	1	1	1	1	1	1	1	6
31	11337	6769	6702	6635	6568	6500	6433	66663
31	1	1	1	1	1	1	1	5
32	11128	0	631	1261	1892	2522	3153	53678
32	1	1	1	1	1	1	1	4
33	11263	0	654	1307	1961	2615	3268	39426
33	1	1	1	1	1	1	1	3
34	11247	0	679	1359	2038	2718	3397	23944
34	1	1	1	1	1	1	1	2
35	11352	0	700	1400	2099	2799	3499	6998
35	1	1	1	1	1	1	1	1

Table I-101
USMC Officer High-3 Force Grade Strengths

FILE: MO14PG H13M A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

ACOL OUTPUT DATE OF RUN: 11/21/03 16:33:17 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**
CURRENT
USMC14 ACOL VEST=20;ABU=42;MULT=.025;EI AVG-3;DEC=Y;CREAY=A;DUAL TRE=N;BETA= .020065;ENLOSS= .02;INC COLA=N

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	0	1762	0	0	0	0	0	0	0	1762	35	.020	.980	1.020
2	0	1727	0	0	0	0	0	0	0	1727	76	.045	.955	.980
3	0	1649	0	0	0	0	0	0	0	1649	234	.142	.858	.936
4	0	1314	100	0	0	0	0	0	0	1414	195	.138	.862	.803
5	0	129	1090	0	0	0	0	0	0	1219	161	.132	.868	.692
6	0	41	1017	0	0	0	0	0	0	1058	147	.139	.861	.601
7	0	3	908	0	0	0	0	0	0	911	89	.098	.902	.517
8	0	0	821	0	0	0	0	0	0	821	77	.093	.907	.466
9	0	0	745	0	0	0	0	0	0	745	53	.070	.930	.423
10	0	0	644	48	0	0	0	0	0	692	56	.080	.920	.393
11	0	0	157	480	0	0	0	0	0	637	90	.142	.858	.362
12	0	0	96	450	0	0	0	0	0	547	74	.135	.865	.310
13	0	0	24	449	0	0	0	0	0	473	36	.077	.923	.268
14	0	0	0	423	14	0	0	0	0	437	26	.059	.941	.248
15	0	0	0	398	13	0	0	0	0	411	19	.046	.954	.233
16	0	0	0	373	19	0	0	0	0	392	15	.037	.963	.222
17	0	0	0	109	268	0	0	0	0	377	14	.036	.964	.214
18	0	0	0	86	278	0	0	0	0	364	16	.044	.956	.206
19	0	0	0	78	269	0	0	0	0	348	20	.059	.941	.197
20	0	0	0	68	259	0	0	0	0	327	120	.367	.633	.186
21	0	0	0	21	186	0	0	0	0	207	68	.326	.674	.118
22	0	0	0	0	67	72	0	0	0	140	25	.177	.823	.079
23	0	0	0	0	42	73	0	0	0	115	8	.069	.931	.065
24	0	0	0	0	37	70	0	0	0	107	11	.102	.898	.061
25	0	0	0	0	28	68	0	0	0	96	19	.197	.803	.054
26	0	0	0	0	19	58	0	0	0	77	9	.113	.887	.044
27	0	0	0	0	16	52	0	0	0	68	9	.126	.874	.039
28	0	0	0	1	16	43	0	0	0	60	18	.302	.698	.034
29	0	0	0	0	0	42	0	0	0	42	8	.181	.819	.024
30	0	0	0	0	0	34	0	0	0	34	12	.337	.663	.019
31	0	0	0	0	0	23	0	0	0	23	10	.444	.556	.013
32	0	0	0	0	0	13	0	0	0	13	6	.442	.558	.007
33	0	0	0	0	0	7	0	0	0	7	3	.442	.558	.004
34	0	0	0	0	0	4	0	0	0	4	2	.441	.559	.002
35	0	0	0	0	0	2	0	0	0	2	2	1.000	.000	.001
TOTAL	0	6623	5803	2984	1533	568	0	0	0	17303	1762	.102	.898	9.822
PERCENT	0	38	33	17	9	3	0	0	0	100				
CEILING	0	38	33	17	9	3	0	0	0	0				

Table I-102
USMC Officer 30% Decrement to Multiplier
Force Grade Strengths

FILE: MO14FG 3cF1CM A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

ACOL OUTPUT DATE OF RUN: 11/21/83 16:33:17 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**
CURRENT
USMC14 ACOL WEST=2;AVG=42;PULT=.025;HI AVG=3;DEC=Y;CHPAY=N;DUAL TAX=N;BETA= .000065;RNLOSS= .00;INC COLA=N

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	0	1935	0	0	0	0	0	0	0	1935	40	.021	.979	1.000
2	0	1895	0	0	0	0	0	0	0	1895	93	.049	.951	.979
3	0	1802	0	0	0	0	0	0	0	1802	278	.154	.846	.931
4	0	1415	109	0	0	0	0	0	0	1524	231	.152	.848	.787
5	0	136	1156	0	0	0	0	0	0	1293	190	.147	.853	.668
6	0	43	1060	0	0	0	0	0	0	1103	171	.155	.845	.570
7	0	3	928	0	0	0	0	0	0	931	103	.111	.889	.481
8	0	0	828	0	0	0	0	0	0	828	90	.109	.891	.428
9	0	0	738	0	0	0	0	0	0	738	59	.080	.920	.382
10	0	0	632	47	0	0	0	0	0	679	61	.090	.910	.351
11	0	0	152	466	0	0	0	0	0	618	99	.159	.841	.319
12	0	0	91	428	0	0	0	0	0	520	82	.157	.843	.268
13	0	0	22	416	0	0	0	0	0	438	38	.086	.914	.226
14	0	0	0	386	13	0	0	0	0	400	26	.066	.934	.207
15	0	0	0	362	11	0	0	0	0	374	20	.054	.946	.193
16	0	0	0	337	17	0	0	0	0	354	15	.044	.956	.183
17	0	0	0	98	240	0	0	0	0	338	14	.042	.958	.175
18	0	0	0	76	248	0	0	0	0	324	15	.046	.954	.167
19	0	0	0	70	235	0	0	0	0	309	18	.059	.941	.160
20	0	0	0	60	231	0	0	0	0	291	129	.443	.557	.150
21	0	0	0	16	146	0	0	0	0	162	66	.410	.590	.084
22	0	0	0	0	46	49	0	0	0	96	25	.258	.742	.049
23	0	0	0	0	26	45	0	0	0	71	7	.102	.898	.037
24	0	0	0	0	22	42	0	0	0	64	9	.136	.864	.033
25	0	0	0	0	16	39	0	0	0	55	13	.230	.770	.028
26	0	0	0	0	11	32	0	0	0	42	6	.152	.848	.022
27	0	0	0	0	9	27	0	0	0	36	6	.165	.835	.019
28	0	0	0	0	6	22	0	0	0	30	12	.399	.601	.016
29	0	0	0	0	0	18	0	0	0	18	4	.223	.777	.009
30	0	0	0	0	0	14	0	0	0	14	5	.339	.661	.007
31	0	0	0	0	0	9	0	0	0	9	4	.414	.586	.005
32	0	0	0	0	0	5	0	0	0	5	2	.411	.589	.003
33	0	0	0	0	0	3	0	0	0	3	1	.410	.590	.002
34	0	0	0	0	0	2	0	0	0	2	1	.407	.593	.001
35	0	0	0	0	0	1	0	0	0	1	1	1.000	.000	.001
TOTAL	0	7230	5717	2764	1283	389	0	0	0	17383	1935	.208	.792	8.941
PERCENT	0	42	33	16	7	2	0	0	0	100				
CEILING	0	38	33	17	9	3	0	0	0	0				

Table I-103
USMC Officer Cost Summary

FILE: COST14MO COSTOM A1 VM/SP CONVERSATIONAL MONITOR SISTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:33:17 BASE YEAR: SEVEN YEAR AVG.
SERVICE: MARINE CORPS OFFICERS 14 **AGGREGATE**

CURRENT								
YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** SUMMARY TABLE : MILITARY PAY (MIL'S) FOR YEAR 81 ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1 - 4 YEARS 139.62	141.29	145.47	149.80	154.23	158.63	162.92	180.05
5 - 10 YEARS 160.40	160.57	161.83	163.02	164.14	165.28	166.44	170.23
11 - 20 YEARS 165.94	165.20	161.20	156.67	151.59	146.06	140.20	113.86
21 - 30 YEARS 50.49	46.59	40.16	34.17	28.66	23.69	19.29	6.61
MORE THAN 30 Y 1.71	2.66	2.07	1.56	1.15	.81	.56	.08
** TOTAL ** 518.16	516.30	510.74	505.23	499.76	494.47	489.40	470.22

*** MILITARY PAY (MIL'S) FOR YEAR 81, BY SOURCE ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
BASE PAY 399.85	397.48	392.66	387.90	383.21	378.66	374.35	359.15
BAS 22.47	22.46	22.46	22.47	22.46	22.47	22.46	22.46
VHA 13.97	13.92	13.80	13.67	13.54	13.41	13.29	12.77
BAQ 77.23	77.05	76.57	76.09	75.60	75.13	74.68	72.96
S+I 5.44	5.38	5.24	5.10	4.95	4.78	4.61	3.88
XMAS BONUS .00	.00	.00	.00	.00	.00	.00	.00
TOTAL 518.16	516.30	510.74	505.23	499.76	494.47	489.40	470.22

*** SUMMARY TABLE : RETIREMENT (MIL'S) FOR YEAR 81 ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1 - 4 YEARS .87	.68	.84	.79	.73	.66	.58	.00
5 - 10 YEARS 13.84	13.77	12.95	12.02	10.99	9.84	8.54	.00
11 - 20 YEARS 126.87	126.22	117.02	106.14	93.89	81.05	67.87	.00
21 - 30 YEARS 151.10	132.56	112.36	92.96	74.75	58.86	43.17	.00
MORE THAN 30 Y 12.86	10.97	13.02	8.58	5.40	3.22	1.88	.00
** TOTAL ** 305.35	294.39	256.79	220.50	185.75	152.62	121.96	.00

TAX ADV(MIL'S):	49.19	48.95	48.27	47.60	46.95	46.32	45.73	43.5

-> -> -> -> TOTAL COST (MIL'S) FOR YEAR 81

MILITARY	518.16	516.30	510.74	505.23	499.76	494.47	489.40	470.22
RETIREMENT	305.35	294.39	256.79	220.50	185.75	152.62	121.96	.00
DEATH BEN.	.06	.06	.06	.06	.06	.06	.06	.05
** TOTAL *	823.57	810.75	767.58	725.78	685.57	647.35	611.42	470.27

Table I-104
Air Force Officer Military versus Civilian Income Streams

FILE: ACOLMATO INCOF A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

* * * * * * INCOME STREAMS: MILITARY PAY * * * * * *
SCENARIO NO. 0 0 : BASECASE

AGE	(LOS)	BASE	BAS	VHA	BAQ	SIPAY	TAXES	XBONUS	MILPAY	ANNUITY	CIVW
22	1	12679	1298	549	2794	445	1299	0	19064	0	22484
23	2	12728	1298	544	2911	1064	1317	0	19862	0	23525
24	3	16622	1298	361	3752	894	2035	0	24362	0	24575
25	4	19255	1298	379	3880	839	2083	0	27734	0	25631
26	5	22857	1298	565	4381	995	2585	0	31882	0	26690
27	6	22189	1298	594	4482	1637	2648	0	32848	0	27749
28	7	23276	1298	665	4545	2129	2674	0	34528	0	28804
29	8	23281	1298	610	4577	2065	2681	0	34512	0	29851
30	9	24141	1298	614	4592	2237	2696	0	35571	0	30888
31	10	24159	1298	624	4623	2422	2707	0	35833	0	31909
32	11	25775	1298	726	4739	2595	2888	0	38021	0	32913
33	12	26185	1298	852	4924	963	3174	0	37395	0	33893
34	13	27913	1298	951	5065	2159	3354	0	40742	0	34848
35	14	28016	1298	981	5119	2519	3414	0	41347	0	35773
36	15	29367	1298	982	5125	2075	3437	0	42224	0	36664
37	16	29518	1298	985	5212	1866	3596	0	42476	0	37518
38	17	31629	1298	991	5388	1469	3937	0	44763	0	38330
39	18	32344	1298	993	5539	1723	4261	0	46158	0	39098
40	19	34075	1298	997	5585	1366	4339	0	47661	0	39818
41	20	34414	1298	994	5627	1385	4458	0	48176	17207	40487
42	21	37624	1298	973	5949	1425	5236	0	52506	19753	41102
43	22	38397	1298	932	6069	1453	5561	0	53711	21118	41660
44	23	40434	1298	923	6109	1624	5631	0	56020	23249	42159
45	24	40659	1298	914	6128	1808	5705	0	56512	24395	42598
46	25	40868	1298	904	6172	1268	5784	0	56326	25562	42969
47	26	41072	1298	897	6195	985	5841	0	56228	26697	43277
48	27	43858	1298	898	6205	801	5897	0	58941	29599	43517
49	28	44068	1298	885	6242	473	5938	0	58905	30848	43690
50	29	46188	1298	835	6385	700	6341	0	61748	33486	43793
51	30	46188	1298	835	6388	936	6341	0	61985	34641	43828
52	31	46188	1298	835	6378	936	6341	0	61976	34641	43792
53	32	46188	1298	835	6378	936	6341	0	61968	34641	43687
54	33	46188	1298	835	6377	936	6341	0	61975	34641	43514
55	34	46168	1298	835	6426	936	6341	0	62024	34641	43272
56	35	46188	1298	835	6426	936	6341	0	62024	34641	42963
57	36	0	0	0	0	0	0	0	0	34641	42589
58	37	0	0	0	0	0	0	0	0	34641	42151
59	38	0	0	0	0	0	0	0	0	34641	41651
60	39	0	0	0	0	0	0	0	0	34641	41092
61	40	0	0	0	0	0	0	0	0	34641	40476
62	41	0	0	0	0	0	0	0	0	34641	39806
63	42	0	0	0	0	0	0	0	0	34641	39085
64	43	0	0	0	0	0	0	0	0	34641	38317
TOTALS:		1149282	45440	28857	186675	48917	149555	0	1607926	736888	1612434

* * * * * * INCOME STREAMS: MILPAY VS. OTHERS * * * * * *
SCENARIO NO. 0 0 : BASECASE

Table I-105
Air Force Officer Annualized Cost of Leaving (ACOL)

FILE: ACOLMATO PAGE1F A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 10:40:56 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE OFFICERS 14 **AGGREGATE**

CURRENT YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** ACOL MATRIX ***

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
2	9724	9515	6996	8544	8114	7692	7270	5715
3	11153	10907	10322	9749	9248	8782	8319	6575
4	12352	12080	11426	10777	10145	9626	9120	7180
5	13436	13135	12412	11689	10975	10325	9772	7627
6	14331	13984	13163	12363	11583	10907	10197	7839
7	15404	14949	14062	13175	12287	11409	10672	8078
8	16563	15974	14988	14002	13017	12031	11135	8283
9	18042	17341	16169	15070	13972	12873	11786	8600
10	19760	19083	17726	16368	15071	13843	12614	8945
11	21954	21299	19743	18188	16832	15076	13685	9392
12	24405	23836	22036	20237	18438	16638	14839	9777
13	27805	27301	25195	23089	20985	18877	16772	10349
14	31929	31331	28828	26326	23824	21321	18819	10761
15	37523	36798	33765	30731	27698	24664	21631	11250
16	45367	44484	40704	36924	33144	29364	25584	11796
17	57415	56243	51339	46434	41536	36625	31721	12468
18	76971	75359	68567	61783	55000	48216	41433	13082
19	115808	113278	102727	92176	81625	71074	60523	13706
20	231637	226411	204539	182666	160794	138922	117050	14333
21	42340	32312	30221	28130	26039	23948	21857	15068
22	27474	31579	29626	27673	25720	23768	21815	15489
23	38604	37974	35563	33151	30740	28329	25917	15903
24	25123	30668	28093	27318	25642	23967	22292	16162
25	24946	29305	27764	26163	24562	22961	21361	16462
26	23504	23374	22329	21285	20241	19197	18152	16906
27	46888	32790	31054	29317	27580	25843	24107	17517
28	25842	32501	30773	29044	27316	25587	23858	17869
29	44484	40721	38444	36168	33891	31614	29338	18362
30	25966	32539	31101	29663	26225	26787	25346	16447
31	12087	18275	18266	18257	18246	1823x	1e225	16516
32	11976	11976	12606	13237	13867	14498	15128	16617
33	11925	11925	12578	13232	13886	14539	15193	16744
34	11958	11958	12637	13316	13998	14675	15355	18961
35	12062	12062	12762	13462	14162	14862	15562	19061

Table I-106
Air Force Officer Pay Component of ACOL

FILE: ACOLMATO FAG12F A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 10:40:56 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE OFFICERS 14 **AGGREGATE**

CURRENT								
YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
UNLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** ACOL PAY COMPONENT ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
2	4157	4326	4326	5020	5159	5159	5159	5715
3	4992	4992	5162	5162	5563	6006	6006	6575
4	5541	5541	5541	5717	6440	6586	6589	7180
5	5904	5904	5904	5904	6891	7006	7006	7827
6	5949	5980	5980	5980	5980	7005	7175	7839
7	5601	6076	6076	6076	6076	6299	7368	8078
8	5586	6115	6115	6115	6115	6115	7522	8283
9	5701	5411	6282	6282	6282	6282	6548	8602
10	5833	5511	5511	5511	6471	6471	6471	8945
11	6095	5743	5743	5743	5743	5743	6785	9382
12	6239	5843	5843	5843	5843	5843	5843	9777
13	6242	6242	6242	6242	6242	6242	6242	10349
14	6307	6307	6307	6307	6307	6307	6307	10761
15	6463	6463	6463	6463	6463	6463	6463	11250
16	6685	6685	6685	6685	6685	6685	6685	11796
17	7199	7199	7199	7199	7199	7199	7199	12468
18	7515	7515	7515	7515	7515	7515	7515	13082
19	7768	7768	7768	7768	7768	7768	7768	13706
20	7688	7688	7688	7688	7688	7688	7688	14333
21	11403	11403	11403	11403	11403	11403	11403	15068
22	12050	12050	12050	12050	12050	12050	12050	15489
23	13861	13861	13861	13861	13861	13861	13861	15903
24	13916	13916	13916	13916	13916	13916	13916	16162
25	13357	13357	13357	13357	13357	13357	13357	16462
26	14135	12931	12931	12931	12931	12931	12931	16906
27	15423	15423	15423	15423	15423	15423	15423	17517
28	15215	15215	15215	15215	15215	15215	15215	17869
29	17954	17954	17954	17954	17954	17954	17954	18362
30	18158	18158	18158	18158	18158	18158	18158	18447
31	18184	18184	18184	18184	18184	18184	18184	18518
32	18261	18261	18261	18261	18261	18261	18261	18617
33	18461	18461	18461	18461	18461	18461	18461	18744
34	18752	18752	18752	18752	18752	18752	18752	18901
35	19061	19061	19061	19061	19061	19061	19061	19061

ACOL OUTPUT DATE OF RUN: 11/21/83 10:40:56 BASE YEAR: SEVEN YEAR AVG.

Table I-107
Air Force Officer Retirement Component of ACOL

FILE: ACOLMAIO.DAT(23) A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 10:48:56 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
INCREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BIA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** ACOL RETIREMENT COMPONENT ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
2	5567	5189	4670	3524	2955	2533	2111	0
3	6162	5915	5159	4580	3383	2776	2313	0
4	6811	6539	5885	5268	3704	3037	2530	0
5	7531	7230	6507	5784	4884	3319	2766	0
6	8782	8003	7203	6463	5602	3802	3022	0
7	9603	8673	7986	7096	6211	5111	3304	0
8	10577	9859	8873	7887	6901	5915	3613	0
9	12341	11930	9887	8789	7698	6592	5238	0
10	13947	13572	12215	10857	8601	7372	6143	0
11	15858	15555	14000	12444	10889	9333	6908	0
12	16166	17993	16194	14394	12595	10796	8998	0
13	21563	21060	18954	16848	14742	12636	10530	0
14	25622	25024	22521	20019	17517	15014	12512	0
15	31060	30335	27302	24268	21235	18201	15168	0
16	38702	37799	34019	30239	26459	22679	18899	0
17	50216	49044	44140	39235	34331	29427	24522	0
18	69456	67835	61052	54268	47485	40701	33918	0
19	106031	105510	94959	84408	73857	63306	52755	0
20	223949	218723	196850	174978	153106	131234	109361	0
21	30945	20908	18817	16727	14636	12545	10454	0
22	15424	19529	17576	15623	13670	11717	9764	0
23	24743	24113	21702	19290	16879	14468	12056	0
24	11207	16752	15077	13402	11726	10051	8376	0
25	11589	16008	14407	12806	11205	9605	8004	0
26	9368	10442	9398	8354	7309	6265	5221	0
27	31464	17367	15630	13894	12157	10420	8683	0
28	18626	17286	15558	13829	12100	10372	8643	0
29	26529	22767	20490	18213	15937	13660	11383	0
30	7608	14381	12943	11505	10067	8629	7190	0
31	-6097	91	82	73	64	55	45	0
32	-6305	-6305	-5675	-5044	-4414	-3783	-3153	0
33	-6537	-6537	-5883	-5229	-4576	-3922	-3268	0
34	-6794	-6794	-6115	-5436	-4756	-4077	-3397	0
35	-6998	-6998	-6298	-5599	-4899	-4199	-3499	0

Table I-108
Air Force Officer Force Structure

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FILE: ACOLMATO PAGE47   A1                    VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT        DATE OF RUN: 11/21/83   16:49:16 PAGE TYPE: SEVEN YEAR AVG.
SERVICE: AIR FORCE          OFFICERS          14 **AGGREGATE**
CURRENT
YR VESTED:          20       20       20       20       20       20       20       20
ANNUITY AGE:        42       42       42       42       42       42       42       42
MULTIPLIER:       .025     .025     .025     .025     .025     .025     .025     .025
DISCRIMINTID?        Y        Y        Y        Y        Y        Y        Y        N
PAY CHANGES?         N        N        N        N        N        N        N        N
BETA WT.:    .000065  .000065  .000065  .000065  .000065  .000065  .000065  .000065
RNLOSS:         .000     .000     .000     .000     .000     .000     .000     .000
COLA ADJ?            N        N        N        N        N        N        N        N
AVG. CPI:       .000     .000     .000     .000     .000     .000     .000     .000
*** FORCE TABLE ***
CASE NO.     :  BASE        1        2        3        4        5        6        7
 YEAR OF SERVICE
              1     8620     8764     9117     9488     9876    10274    10670    12250
              2     8366     8503     8841     9196     9567     9948    10327    11832
              3     7720     7837     8127     8431     8759     9077     9400    10669
              4     7196     7299     7550     7812     8086     8370     8649     9728
              5     6376     6457     6647     6843     7047     7260     7470     8253
              6     5847     5900     6113     6269     6430     6597     6765     7371
              7     5164     5202     5298     5394     5491     5589     5692     6040
              8     4698     4717     4778     4836     4892     4946     5006     5196
              9     4354     4358     4391     4421     4446     4469     4494     4567
             10     4114     4108     4116     4125     4127     4125     4124     4106
             11     3843     3831     3823     3809     3789     3763     3739     3642
             12     3587     3550     3520     3483     3438     3386     3333     3141
             13     3337     3314     3256     3195     3119     3035     2946     2634
             14     3217     3192     3124     3046     2956     2855     2749     2367
             15     3098     3071     2995     2907     2805     2691     2570     2121
             16     2966     2937     2846     2748     2618     2481     2332     1749
             17     2878     2848     2757     2651     2527     2387     2234     1615
             18     2769     2740     2649     2539     2412     2264     2100     1340
             19     2641     2618     2530     2425     2300     2155     1991     1106
             20     2419     2448     2365     2267     2150     2015     1861      894
             21     1872     1567     1439     1304     1165     1023      882      328
             22     1441     1275     1142     1007      873      741      616      198
             23     1180     1042      905      771      642      522      413      102
             24      998      921      789      662      543      434      337       76
             25      824      795      672      555      447      350      266       56
             26      636      612      509      413      327      252      187       38
             27      484      495      402      316      245      183      132       23
             28      353      398      316      244      183      133       93       14
             29      198      199      146      104       71       47       30        3
             30      124      166      120       84       57       37       23        2
             31       59      111       80       56       38       24       15        1
             32       28       63       46       33       23       15        9        1
             33       13       36       27       19       14        9        6        1
             34        6       20       16       11        8        6        4        0
             35        3       12        9        7        5        3        2        0
TTL ENLSTRENGTH  101467   101467   101467   101467   101467   101467   101467   101467
EXP. SERV. LIFE      12       12       11       11       10       10       10        8
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Table I-109

Air Force Nonprior Service Officer Reenlistment Rates

FILE: ACOLMATO PAGESF A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 - 16:46:56 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE OFFICERS 14 **AGGREGATE**

CURRENT								
YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** REENLISTMENT RATES ***

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.976	.976	.975	.974	.974	.973	.972	.969
3	.906	.905	.902	.898	.895	.893	.890	.878
4	.923	.922	.919	.916	.912	.910	.907	.896
5	.871	.869	.863	.858	.852	.847	.842	.822
6	.916	.914	.910	.905	.901	.896	.892	.877
7	.852	.848	.840	.832	.824	.816	.808	.781
8	.896	.892	.886	.879	.872	.865	.858	.833
9	.917	.914	.908	.901	.895	.888	.881	.857
10	.939	.936	.931	.925	.919	.912	.906	.883
11	.950	.948	.943	.937	.931	.924	.918	.894
12	.943	.941	.934	.927	.918	.909	.899	.865
13	.935	.933	.924	.914	.902	.889	.875	.822
14	.970	.969	.964	.958	.951	.943	.933	.892
15	.980	.979	.975	.969	.963	.955	.946	.899
16	.973	.972	.964	.955	.943	.928	.910	.864
17	.996	.996	.994	.992	.989	.986	.980	.934
18	.997	.996	.994	.991	.986	.978	.966	.819
19	.997	1.000	.999	.999	.997	.995	.990	.825
20	.975	1.000	1.000	1.000	1.000	1.000	1.000	.831
21	.774	.640	.608	.575	.542	.508	.474	.367
22	.778	.814	.794	.772	.749	.724	.698	.605
23	.823	.817	.792	.765	.736	.704	.671	.515
24	.841	.884	.872	.860	.846	.831	.815	.748
25	.826	.864	.851	.837	.823	.807	.790	.732
26	.772	.770	.758	.745	.732	.718	.704	.687
27	.761	.808	.790	.771	.750	.726	.705	.609
28	.728	.805	.787	.767	.747	.725	.702	.614
29	.581	.500	.463	.426	.390	.356	.322	.189
30	.628	.835	.821	.807	.792	.776	.760	.668
31	.473	.666	.666	.666	.666	.665	.665	.669
32	.473	.569	.576	.589	.599	.609	.619	.671
33	.473	.569	.579	.589	.600	.610	.620	.673
34	.473	.569	.580	.591	.601	.612	.622	.675
35	.473	.571	.582	.593	.604	.615	.626	.677

Table I-110
Air Force Officer Continuation Rates

FILE: ACOLMATO PAGY6F A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 10:48:50 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE OFFICERS 14 **AGGREGATE**

CURRENT								
YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
FNLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** CONTINUATION RATES ***

CASE NO. : YEAR OF SERVICE	BASE	1	2	3	4	5	6	7
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.971	.970	.970	.969	.969	.968	.968	.966
3	.923	.922	.919	.917	.915	.912	.910	.902
4	.932	.931	.929	.927	.924	.922	.920	.912
5	.886	.885	.880	.876	.872	.867	.864	.848
6	.924	.923	.920	.916	.912	.909	.906	.893
7	.876	.873	.867	.860	.854	.847	.841	.819
8	.910	.907	.902	.896	.891	.885	.879	.860
9	.927	.924	.919	.914	.909	.903	.898	.879
10	.945	.943	.938	.933	.928	.923	.918	.899
11	.934	.932	.928	.923	.918	.912	.907	.887
12	.928	.927	.921	.915	.908	.900	.891	.863
13	.935	.934	.926	.917	.907	.896	.884	.858
14	.964	.963	.959	.954	.948	.941	.933	.899
15	.963	.962	.958	.954	.949	.943	.935	.896
16	.957	.956	.950	.943	.933	.922	.907	.825
17	.970	.970	.969	.967	.965	.962	.958	.923
18	.962	.962	.961	.958	.954	.949	.940	.830
19	.954	.955	.955	.955	.954	.952	.948	.825
20	.918	.935	.935	.935	.935	.935	.935	.808
21	.774	.640	.608	.575	.542	.508	.474	.367
22	.778	.814	.794	.772	.749	.724	.698	.605
23	.823	.817	.792	.765	.736	.704	.671	.515
24	.841	.884	.872	.860	.846	.831	.815	.748
25	.826	.864	.851	.837	.823	.807	.790	.732
26	.772	.770	.758	.745	.732	.718	.704	.687
27	.761	.808	.790	.771	.750	.728	.705	.609
28	.728	.805	.787	.767	.747	.725	.702	.614
29	.561	.500	.463	.426	.390	.356	.322	.189
30	.628	.835	.821	.807	.792	.776	.760	.668
31	.473	.666	.666	.666	.666	.665	.665	.669
32	.473	.569	.579	.589	.599	.609	.619	.671
33	.473	.569	.579	.589	.600	.610	.620	.673
34	.473	.569	.580	.591	.601	.612	.622	.675
35	.473	.571	.582	.593	.604	.615	.626	.677

Table I-111
Air Force Officer Survival Rates

FILT: ACOLMATO PAGE?F A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOI OUTPUT DATE OF RUN: 11/21/83 16:40:56 PAGE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE OFFICERS 14 **AGGREGATE**
CURRENT

YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BLTA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** SURVIVAL RATES ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	.971	.970	.970	.969	.969	.968	.968	.966
3	.895	.894	.891	.889	.886	.884	.881	.871
4	.835	.833	.828	.823	.819	.815	.811	.794
5	.740	.737	.729	.721	.714	.707	.700	.674
6	.684	.680	.670	.661	.651	.642	.634	.602
7	.599	.594	.581	.569	.556	.544	.533	.493
8	.545	.538	.524	.510	.495	.481	.469	.424
9	.505	.497	.482	.466	.450	.435	.421	.373
10	.477	.469	.452	.435	.418	.402	.386	.335
11	.446	.437	.419	.401	.384	.366	.350	.297
12	.414	.405	.386	.367	.348	.330	.312	.256
13	.387	.378	.358	.337	.316	.295	.276	.215
14	.373	.364	.343	.321	.299	.278	.258	.193
15	.359	.350	.329	.306	.284	.262	.241	.173
16	.344	.335	.312	.289	.265	.241	.219	.143
17	.334	.325	.302	.279	.256	.232	.209	.132
18	.321	.313	.291	.268	.244	.220	.197	.109
19	.306	.299	.277	.256	.233	.210	.187	.090
20	.281	.279	.259	.239	.218	.196	.174	.073
21	.217	.179	.158	.137	.118	.100	.083	.027
22	.167	.145	.125	.106	.088	.072	.058	.016
23	.138	.119	.099	.081	.065	.051	.039	.008
24	.116	.105	.087	.070	.055	.042	.032	.006
25	.096	.091	.074	.058	.045	.034	.025	.005
26	.074	.070	.056	.044	.033	.024	.018	.003
27	.056	.056	.044	.034	.025	.018	.012	.002
28	.041	.045	.035	.026	.019	.013	.009	.001
29	.023	.023	.016	.011	.007	.005	.003	.000
30	.014	.019	.013	.009	.006	.004	.002	.000
31	.007	.013	.009	.006	.004	.002	.001	.000
32	.003	.007	.005	.003	.002	.001	.001	.000
33	.002	.004	.003	.002	.001	.001	.001	.000
34	.001	.002	.002	.001	.001	.001	.000	.000
35	.000	.001	.001	.001	.000	.000	.000	.000

Table I-112
Air Force Officer Present Value Gap

```
FILE: FO14     PVGF     A1                VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT        DATE OF RUN: 11/21/83    16:40:56 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE          OFFICERS          14 **AGGREGATE**
CURRENT
YR VESTED:          20       20       20       20       20       20       20       20
ANNUITY AGE:        42       42       42       42       42       42       42       42
MULTIPLIER:       .025     .025     .025     .025     .025     .025     .025     .025
INCREMENTED?         Y        Y        Y        Y        Y        Y        Y        N
PAY CHANGES?         N        N        N        N        N        N        N        N
BETA WT.:   .000065 .000065 .000065 .000065 .000065 .000065 .000065 .000065
ENLOSS:          .000     .000     .000     .000     .000     .000     .000     .000
COLA ADJ?            N        N        N        N        N        N        N        N
AVG. CPI:        .000     .000     .000     .000     .000     .000     .000     .000
=== 1: PRESENT VALUE GAP  2: YR PV MAX ===
CASE NO.     :  BASE        1        2        3        4        5        6        7
 YEAR OF SERVICE
              2  100819     -432    -5906    -4304    -8173   -12993   -17813   -32725
              2      22       23       23       28       29       29       29       34
              3  116915    -2581    -6605   -12736   -10384   -14539   -19933   -36619
              3      21       21       22       22       27       28       28       33
              4  129192    -2846    -9686   -14847   -11454   -16037   -21986   -40391
              4      20       20       20       21       26       27       27       32
              5  139163    -3117   -10606   -16895   -22781   -17560   -24075   -44228
              5      19       19       19       19       19       26       26       31
              6  137615     5015    -3148   -11311   -19474   -12588   -17829   -39796
              6      16       18       18       18       18       24       25       30
              7  144045     5452    -3422   -12295   -21168   -26614   -19380   -43259
              7      15       17       17       17       17       18       24       29
              8  149801     5904    -3706   -13315   -22925   -32535   -20989   -46849
              8      14       16       16       16       16       16       23       28
              9  156751   -13388    -4002   -14381   -24759   -35138   -41383   -50597
              9      13       12       15       15       15       15       16       27
             10  164081   -14446   -25088   -35736   -26715   -37914   -49112    -5 394
             10      12       11       11       11       14       14       14       26
             11  172810   -15587   -27070   -38553   -50035   -61518   -52992   -58907
             11      11       10       10       10       10       10       13       25
             12  180447   -16771   -29127   -41483   -53838   -66194   -78549   -63384
             12      10        9        9        9        9        9        9       24
             13  175524    -3177   -16471   -29766   -43060   -56355   -69650   -53332
             13       8        8        8        8        8        8        8       23
             14  182353    -3415   -17707   -31998   -46290   -60582   -74873   -57332
             14       7        7        7        7        7        7        7       22
             15  190038    -3671   -19035   -34398   -49762   -65125   -80489   -61632
             15       6        6        6        6        6        6        6       21
             16  197945    -3939   -20424   -36909   -53394   -69879   -86364   -66131
             16       5        5        5        3        5        5        5       20
             17  207266    -4231   -21936   -39641   -57346   -75050   -92755   -71025
             17       4        4        4        4        4        4        4       19
             18  215560    -4540   -23537   -42534   -61532   -80529   -99527   -76269
             18       3        3        3        3        3        3        3       18
             19  223721    -4871   -25255   -45639   -66024   -86408  -106792   -81773
             19       2        2        2        2        2        2        2       17
             20  231637    -5227   -27099   -48971   -70843   -92716  -114588   -87742
             20       1        1        1        1        1        1        1       16
             21   42349   -10037   -12128   -14219   -16310   -18400   -20491   103665
             21       1        1        1        1        1        1        1       15
```

Table I-112 (Con't)
Air Force Officer Present Value Gap

FILE: FO14 PVGP A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

22	27474	4105	2152	199	-1754	-3706	-5659	116694
22	1	1	1	1	1	1	1	14
23	38604	-630	-3041	-5453	-7864	-10275	-12687	103026
23	1	1	1	1	1	1	1	13
24	25123	5545	3670	2195	520	-1155	-2831	111846
24	1	1	1	1	1	1	1	12
25	24946	4419	2818	1217	-384	-1985	-3585	106720
25	1	1	1	1	1	1	1	11
26	45470	-22096	-23140	-24185	-25229	-26273	-27317	81358
26	2	1	1	1	1	1	1	10
27	46886	-14697	-15834	-17571	-19307	-21044	-22781	74982
27	1	1	1	1	1	1	1	9
28	25842	6668	4931	3263	1474	-255	-1983	88162
28	1	1	1	1	1	1	1	8
29	44484	-3763	-6039	-8316	-10593	-12869	-15146	61319
29	1	1	1	1	1	1	1	7
30	25966	6573	5135	3697	2259	821	-617	68120
30	1	1	1	1	1	1	1	6
31	12087	6188	6179	6170	6161	6152	6143	69155
31	1	1	1	1	1	1	1	5
32	11976	0	631	1261	1892	2522	3153	55497
32	1	1	1	1	1	1	1	4
33	11925	0	654	1307	1961	2615	3268	40710
33	1	1	1	1	1	1	1	3
34	11958	0	679	1359	2038	2718	3397	24608
34	1	1	1	1	1	1	1	2
35	12062	0	700	1400	2099	2799	3499	6988
35	1	1	1	1	1	1	1	1

Table I-113
Air Force Officer High-3 Force Grade Strengths

FILE: FO14FG FI3F A1 DM/SP CONFERENCIONAL MONITOR SYSTEM PAGE 001

ACOL OUTPUT DATE OF RUN: 11/21/83 10:59:55 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE OFFICERS 14 **DOD-WIDE**
CURRENT
USAF14 ACOL WEST=20;AAU=42;MULT=.025;EI AVG=3;DEC=Y;CREAY=A;DUAL TEK=N;BETA= .000065;EMLOSS= .00;INC COLA=N

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	8764	0	0	0	0	0	0	0	0	8764	268	.039	.9[illegible]	1.000
2	8288	215	0	0	0	0	0	0	0	8503	666	.078	.922	.970
3	0	7639	199	0	0	0	0	0	0	7837	538	.069	.931	.894
4	0	6514	785	0	0	0	0	0	0	7299	842	.115	.885	.833
5	0	279	6138	40	0	0	0	0	0	6457	497	.077	.923	.737
6	0	149	5449	325	36	0	0	0	0	5960	758	.127	.873	.680
7	0	0	4814	353	34	0	0	0	0	5202	485	.093	.907	.594
8	0	0	4323	364	30	0	0	0	0	4717	358	.076	.924	.538
9	0	0	3949	382	28	0	0	0	0	4358	250	.057	.943	.497
10	0	0	3633	449	26	0	0	0	0	4108	278	.068	.932	.469
11	0	0	2530	1273	28	0	0	0	0	3831	281	.073	.927	.437
12	0	0	1357	2021	156	16	0	0	0	3550	235	.066	.934	.405
13	0	0	543	2599	158	14	0	0	0	3314	123	.037	.963	.378
14	0	0	314	2693	172	12	0	0	0	3192	120	.038	.962	.364
15	0	0	256	2547	217	11	0	0	0	3071	134	.044	.956	.350
16	0	0	273	2099	552	14	0	0	0	2937	88	.030	.970	.335
17	0	0	241	1344	1245	19	0	0	0	2848	186	.038	.962	.325
18	0	0	243	744	1789	85	0	0	0	2749	122	.045	.955	.313
19	0	0	168	688	1751	91	0	0	0	2618	170	.065	.935	.299
20	0	0	126	535	1598	196	0	0	0	2448	881	.360	.640	.279
21	0	0	0	0	1072	495	0	0	0	1567	292	.186	.814	.179
22	0	0	0	0	616	659	0	0	0	1275	233	.183	.817	.145
23	0	0	0	0	458	584	0	0	0	1042	121	.116	.884	.119
24	0	0	0	0	362	558	0	0	0	921	126	.136	.864	.105
25	0	0	0	0	274	521	0	0	0	795	183	.230	.770	.091
26	0	0	0	0	189	423	0	0	0	612	118	.192	.808	.070
27	0	0	0	0	136	359	0	0	0	495	96	.195	.805	.056
28	0	0	0	0	99	299	0	0	0	398	199	.500	.500	.045
29	0	0	0	0	0	199	0	0	0	199	33	.165	.835	.023
30	0	0	0	0	0	166	0	0	0	166	56	.334	.666	.019
31	0	0	0	0	0	111	0	0	0	111	48	.431	.569	.013
32	0	0	0	0	0	63	0	0	0	63	27	.431	.569	.007
33	0	0	0	0	0	36	0	0	0	36	15	.431	.569	.004
34	0	0	0	0	0	20	0	0	0	20	9	.429	.571	.002
35	0	0	0	0	0	12	0	0	0	12	12	1.000	.000	.001
TOTAL	17052	14796	35341	18376	12938	4964	0	0	0	101467	8764	.187	.813	11.578
PERCENT	17	15	35	18	11	5	0	0	0	100				
CEILING	14	14	36	19	12	5	0	0	0	0				

Table I-114
Air Force Officer 30% Decrement to Multiplier
Force Grade Strengths

FILE: F014SG 30DECF A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

ACOL OUTPUT DATE OF RUN: 11/21/83 16:40:56 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE OFFICERS 14 **AGGREGATE**
CURRENT
USAF14 ACOL VEST=2%;ANU=42;MULT=.025;MI AVG=3;DEC=Y;CSPAY=N;DUAL TEI=N;BETA= .PR2065;FNLOSS= .00;INC COLA=N

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	9876	0	0	0	0	0	0	0	0	9876	308	.031	.969	1.000
2	9325	242	0	0	0	0	0	0	0	9567	817	.085	.915	.969
3	0	8528	222	0	0	0	0	0	0	8750	663	.076	.924	.886
4	0	7215	870	0	0	0	0	0	0	8086	1039	.128	.872	.819
5	0	385	6699	43	0	0	0	0	0	7047	617	.088	.912	.714
6	0	161	5888	351	39	0	0	0	0	6438	939	.146	.854	.651
7	0	0	5862	373	36	0	0	0	0	5491	599	.109	.891	.556
8	0	0	4483	377	31	0	0	0	0	4892	445	.091	.909	.495
9	0	0	4028	390	28	0	0	0	0	4446	319	.072	.928	.450
10	0	0	3656	452	26	0	0	0	0	4127	338	.082	.918	.418
11	0	0	2582	1259	27	0	0	0	0	3789	350	.092	.908	.384
12	0	0	1314	1957	151	16	0	0	0	3438	319	.093	.907	.348
13	0	0	511	2446	149	14	0	0	0	3119	163	.052	.948	.316
14	0	0	291	2494	168	11	0	0	0	2956	151	.051	.949	.299
15	0	0	278	2326	198	10	0	0	0	2805	187	.067	.933	.284
16	0	0	243	1871	492	12	0	0	0	2618	91	.035	.965	.265
17	0	0	214	1192	1185	17	0	0	0	2527	115	.046	.954	.256
18	0	0	175	655	1584	74	0	0	0	2412	111	.046	.954	.244
19	0	0	148	534	1538	80	0	0	0	2300	150	.065	.935	.233
20	0	0	111	478	1397	172	0	0	0	2158	985	.458	.542	.218
21	0	0	0	0	797	366	0	0	0	1165	293	.251	.749	.118
22	0	0	0	0	421	451	0	0	0	872	230	.264	.736	.088
23	0	0	0	0	282	360	0	0	0	642	99	.154	.846	.065
24	0	0	0	0	214	329	0	0	0	543	96	.177	.823	.055
25	0	0	0	0	154	293	0	0	0	447	120	.268	.732	.045
26	0	0	0	0	101	226	0	0	0	327	82	.250	.750	.033
27	0	0	0	0	67	178	0	0	0	245	62	.253	.747	.025
28	0	0	0	0	46	137	0	0	0	183	112	.610	.390	.019
29	0	0	0	0	0	71	0	0	0	71	15	.208	.792	.007
30	0	0	0	0	0	57	0	0	0	57	19	.334	.666	.006
31	0	0	0	0	0	38	0	0	0	38	15	.401	.599	.004
32	0	0	0	0	0	23	0	0	0	23	9	.400	.600	.002
33	0	0	0	0	0	14	0	0	0	14	5	.399	.601	.001
34	0	0	0	0	0	8	0	0	0	8	3	.396	.604	.001
35	0	0	0	0	0	5	0	0	0	5	5	1.000	.000	.000
TOTAL	19200	16452	36696	17191	8962	2964	0	0	0	101467	9876	.208	.792	10.275
PERCENT	19	16	36	17	9	3	0	0	0	100				
CEILING	14	14	36	19	12	5	0	0	0	0				

Table I-115
Air Force Officer Cost Summary

FILE: COST14FO COSTOF A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

ACOL OUTPUT DATE OF RUN: 11/21/83 16:40:56 BASE YEAR: SEVEN YEAR AVG.
SERVICE: AIR FORCE OFFICERS 14 **AGGREGATE**

CURRENT								
YR VESTED:	20	20	20	20	20	20	20	20
ANNUITY AGE:	42	42	42	42	42	42	42	42
MULTIPLIER:	.025	.025	.025	.025	.025	.025	.025	.025
DECREMENTED?	Y	Y	Y	Y	Y	Y	Y	N
PAY CHANGES?	N	N	N	N	N	N	N	N
BETA WT.:	.000065	.000065	.000065	.000065	.000065	.000065	.000065	.000065
ENLOSS:	.000	.000	.000	.000	.000	.000	.000	.000
COLA ADJ?	N	N	N	N	N	N	N	N
AVG. CPI:	.000	.000	.000	.000	.000	.000	.000	.000

*** SUMMARY TABLE : MILITARY PAY (MIL'S) FOR YEAR 81 ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1 - 4 YEARS 665.25	675.60	701.05	727.74	755.65	784.37	812.82	924.80
5 - 10 YEARS 958.45	964.40	981.01	997.60	1014.16	1030.97	1048.17	1108.40
11 - 20 YEARS 1192.88	1185.72	1158.37	1125.86	1087.83	1044.36	996.89	782.97
21 - 30 YEARS 404.19	373.42	321.09	271.74	225.83	184.19	146.99	41.08
MORE THAN 30 Y 6.06	13.44	9.89	7.05	4.83	3.19	2.01	.18
** TOTAL ** 3226.83	3212.57	3171.41	3129.99	3088.42	3047.07	3006.88	2857.43

*** MILITARY PAY (MIL'S) FOR YEAR 81, BY SOURCE ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
BASE PAY 2422.30	2410.42	2374.60	2338.74	2302.95	2267.53	2233.21	2106.48
BAS 131.73	131.73	131.74	131.73	131.74	131.73	131.73	131.73
VHA 69.49	69.15	68.36	67.61	66.77	65.90	65.03	61.60
BAQ 453.58	452.12	448.21	444.24	440.23	436.21	432.28	417.44
S+I 149.72	149.15	148.47	147.67	146.74	145.70	144.63	140.17
XMAS BONUS .00	.00	.00	.00	.00	.00	.00	.00
TOTAL 3226.83	3212.57	3171.41	3129.99	3088.42	3047.07	3006.88	2857.43

*** SUMMARY TABLE : RETIREMENT (MIL'S) FOR YEAR 81 ***

CASE NO. : BASE	1	2	3	4	5	6	7
YEAR OF SERVICE							
1 - 4 YEARS 2.96	2.98	2.88	2.75	2.57	2.35	2.09	.00
5 - 10 YEARS 7.14	7.21	6.96	6.64	6.24	5.73	5.09	.00
11 - 20 YEARS 768.46	917.98	863.17	797.30	720.02	632.68	538.89	.00
21 - 30 YEARS 1353.95	1057.43	881.71	715.93	560.93	422.71	302.77	.00
MORE THAN 30 Y 49.59	91.50	60.04	37.25	21.93	12.15	6.26	.00
** TOTAL ** 2162.09	2077.10	1814.76	1559.87	1311.69	1075.61	855.10	.00

TAX ADV(MIL'S): 291.89 289.95 264.46 278.99 273.56 268.22 263.07 244.2

-> -> -> -> TOTAL COST (MIL'S) FOR YEAR 81

MILITARY	3226.83	3212.57	3171.41	3129.99	3088.42	3047.07	3006.88	2857.43
RETIREMENT	2162.09	2077.10	1814.76	1559.87	1311.69	1075.61	855.10	.00
DEATH BEN.	.39	.39	.38	.35	.35	.33	.33	.30
** TOTAL *	5389.31	5290.07	4986.54	4690.21	4400.46	4123.03	3862.31	2857.73

Table I-116
Army Officer Transition Continuation Rates

FILE: CSIDIGAO C7562-1A A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

CONTINUATION RATES, SCENARIO 2 GRANDFATHERING A1 YOS 25 1/04/94 20:01:52

YOS	FY84	YR: 1	2	3	4	5	6	7	8	9	10	15	20	25	30	
1	.9547	.9577	.9577	.9577	.9577	.9577	.9577	.9577	.9577	.9577	.9577	.9577	.9577	.9577	.9577	.
2	.8563	.9029	.9029	.9029	.9029	.9029	.9029	.9029	.9029	.9029	.9029	.9029	.9029	.9029	.9029	.
3	.8435	.8523	.8523	.8523	.8523	.8523	.8523	.8523	.8523	.8523	.8523	.8523	.8523	.8523	.8523	.
4	.8448	.8547	.8547	.8547	.8547	.8547	.8547	.8547	.8547	.8547	.8547	.8547	.8547	.8547	.8547	.
5	.8529	.8885	.8888	.8888	.8886	.8888	.8888	.8886	.8888	.8885	.8888	.8888	.8888	.8888	.8868	.
6	.8791	.8861	.8861	.8861	.8861	.8861	.8861	.8861	.8861	.8861	.8861	.8861	.8861	.8861	.8861	.
7	.9017	.9272	.9272	.9272	.9272	.9272	.9272	.9272	.9272	.9272	.9272	.9272	.9272	.9272	.9272	.
8	.9247	.9292	.9292	.9292	.9292	.9292	.9292	.9292	.9292	.9292	.9292	.9292	.9292	.9292	.9292	.
9	.9180	.9285	.9285	.9285	.9285	.9285	.9285	.9285	.9285	.9285	.9285	.9285	.9285	.9285	.9285	.
10	.9271	.9281	.9281	.9281	.9281	.9281	.9281	.9281	.9281	.9281	.9281	.9281	.9281	.9281	.9281	.
11	.9014	.9026	.9026	.9026	.9026	.9026	.9026	.9026	.9026	.9026	.9026	.9026	.9026	.9026	.9026	.
12	.9159	.9171	.9171	.9171	.9171	.9171	.9171	.9171	.9171	.9171	.9171	.9171	.9171	.9171	.9171	.
13	.9391	.9397	.9397	.9397	.9397	.9397	.9397	.9397	.9397	.9397	.9397	.9397	.9397	.9397	.9397	.
14	.9407	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.
15	.8915	.8950	.8950	.8950	.8950	.8950	.8950	.8950	.8950	.8950	.8950	.8950	.8950	.8950	.8950	.
16	.9325	.9355	.9355	.9355	.9355	.9355	.9355	.9355	.9355	.9355	.9355	.9355	.9355	.9355	.9355	.
17	.9109	.9158	.9158	.9158	.9158	.9158	.9158	.9158	.9158	.9158	.9158	.9158	.9158	.9158	.9158	.
18	.9338	.9347	.9347	.9347	.9347	.9347	.9347	.9347	.9347	.9347	.9347	.9347	.9347	.9347	.9347	.
19	.9476	.9478	.9478	.9478	.9478	.9478	.9478	.9478	.9478	.9478	.9478	.9478	.9478	.9478	.9478	.
20	.7564	.7175	.7175	.7175	.7175	.7175	.7175	.7175	.7175	.7175	.7175	.7175	.7175	.7175	.7175	.
21	.8291	.8409	.8429	.8409	.8429	.8409	.8409	.8409	.8409	.8409	.8409	.8429	.8409	.8409	.8429	.
22	.8140	.7848	.7848	.7848	.7848	.7848	.7848	.7848	.7845	.7845	.7845	.7849	.7848	.7848	.7948	.
23	.8565	.9129	.9129	.9129	.9129	.9129	.9129	.9129	.9129	.9129	.9129	.9129	.9129	.9129	.9129	.
24	.8507	.9300	.9300	.9300	.9300	.9300	.9300	.9300	.9322	.9302	.9302	.9300	.9300	.9300	.9300	.
25	.8462	.8953	.8953	.8953	.8953	.8953	.8953	.8953	.8953	.8953	.8953	.8953	.8953	.8953	.8953	.
26	.9405	.9092	.9092	.9092	.9092	.9092	.9092	.9092	.9092	.9092	.9092	.9092	.9092	.9092	.9092	.
27	.8608	.9175	.9175	.9175	.9175	.9175	.9175	.9175	.9175	.9175	.9175	.9175	.9175	.9175	.9175	.
28	.6745	.8141	.8141	.8141	.8141	.8141	.8141	.8141	.8141	.8141	.8141	.8141	.8141	.8141	.8141	.
29	.7573	.8995	.8995	.8995	.8995	.8995	.8995	.8995	.8995	.8995	.8995	.8995	.8995	.8995	.8995	.
30	.6274	.6594	.6594	.6594	.6594	.6594	.6594	.6594	.6594	.6594	.6594	.6594	.6594	.6594	.6594	.
31	.6081	.6122	.6122	.6122	.6122	.6122	.6122	.6122	.6122	.6122	.6122	.6122	.6122	.6122	.6122	.
32	.6094	.6094	.6094	.6094	.6094	.6094	.6094	.6094	.6094	.6094	.6094	.6094	.6094	.6094	.6094	.
33	.6106	.6106	.6106	.6106	.6106	.6106	.6106	.6106	.6106	.6106	.6106	.6106	.6106	.6106	.6106	.
34	.5157	.6157	.5157	.6157	.6157	.5157	.5157	.5157	.6157	.5157	.5157	.6157	.6157	.6157	.6157	.

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Table I-117
Navy Officer Transition Continuation Rates

FILE: CSID14NO 07552-1M A1 — PM/SP CONDITIONAL MONITOR SYSTEM

CONTINUATION RATES, SCENARIO 2 GRANDFATHERING AT YOS 25 1/24/94 22:42:35

YOS	FY94	Yr: 1	2	3	4	5	6	7	8	9	12	15	20	25	30
1	.9607	.9629	.9629	.9629	.9629	.9629	.9629	.9629	.9629	.9629	.9629	.9629	.9629	.9629	.9629
2	.9266	.9337	.9337	.9337	.9337	.9337	.9337	.9337	.9337	.9337	.9337	.9337	.9337	.9337	.9337
3	.9236	.9292	.9292	.9292	.9292	.9292	.9292	.9292	.9292	.9292	.9292	.9292	.9292	.9292	.9292
4	.8726	.8815	.8815	.8815	.8815	.8815	.8815	.8815	.8815	.8815	.8815	.8815	.8815	.8815	.8815
5	.8442	.8542	.8542	.8542	.8542	.8542	.8542	.8542	.8542	.8542	.8542	.8542	.8542	.8542	.8542
6	.8524	.8621	.8621	.8621	.8621	.8621	.8621	.8621	.8621	.8621	.8621	.8621	.8621	.8621	.8621
7	.8621	.8712	.8712	.8712	.8712	.8712	.8712	.8712	.8712	.8712	.8712	.8712	.8712	.8712	.8712
8	.8957	.9028	.9028	.9028	.9028	.9028	.9028	.9028	.9028	.9028	.9028	.9028	.9028	.9028	.9028
9	.9157	.9185	.9185	.9185	.9185	.9185	.9185	.9185	.9185	.9185	.9185	.9185	.9185	.9185	.9185
10	.9792	.9813	.9813	.9813	.9813	.9813	.9813	.9813	.9813	.9813	.9813	.9813	.9813	.9813	.9813
11	.9945	.9963	.9963	.9963	.9963	.9963	.9963	.9963	.9963	.9963	.9963	.9963	.9963	.9963	.9963
12	.9272	.9282	.9282	.9282	.9282	.9282	.9282	.9282	.9282	.9282	.9282	.9282	.9282	.9282	.9282
13	.9437	.9446	.9446	.9446	.9446	.9446	.9446	.9446	.9446	.9446	.9446	.9446	.9446	.9446	.9446
14	.9610	.9618	.9618	.9618	.9618	.9618	.9618	.9618	.9618	.9618	.9618	.9618	.9618	.9618	.9618
15	.9695	.9702	.9702	.9722	.9722	.9722	.9722	.9722	.9722	.9722	.9722	.9722	.9722	.9722	.9722
16	.9696	.9705	.9705	.9725	.9725	.9725	.9725	.9725	.9725	.9725	.9725	.9725	.9725	.9725	.9725
17	.9517	.9528	.9528	.9528	.9528	.9528	.9528	.9528	.9528	.9528	.9528	.9528	.9528	.9528	.9528
18	.9704	.9705	.9705	.9725	.9725	.9725	.9725	.9725	.9725	.9725	.9725	.9725	.9725	.9725	.9725
19	.9682	.9682	.9682	.9682	.9682	.9682	.9682	.9682	.9682	.9682	.9682	.9682	.9682	.9682	.9682
20	.7322	.7222	.7222	.7222	.7222	.7222	.7222	.7222	.7222	.7222	.7222	.7222	.7222	.7222	.7222
21	.8132	.8782	.8080	.8062	.8280	.8080	.8080	.8080	.8282	.8282	.8282	.8282	.8282	.8282	.8282
22	.8522	.8544	.8544	.8544	.8544	.8544	.8544	.8544	.8544	.8544	.8544	.8544	.8544	.8544	.8544
23	.8557	.9210	.9210	.9210	.9210	.9210	.9210	.9210	.9210	.9210	.9210	.9210	.9210	.9210	.9210
24	.8439	.9271	.9271	.9271	.9271	.9071	.9071	.9071	.9271	.9271	.9271	.9271	.9271	.9271	.9271
25	.8502	.8791	.8791	.8791	.8791	.8791	.8791	.8791	.8791	.8791	.8791	.8791	.8791	.8791	.8791
26	.9363	.9273	.9273	.9273	.9273	.9273	.9273	.9273	.9273	.9273	.9273	.9273	.9273	.9273	.9273
27	.7536	.9165	.9165	.9165	.9155	.9165	.9155	.9155	.9155	.9165	.9155	.9155	.9155	.9165	.9165
28	.6233	.9324	.9324	.9324	.9324	.9324	.9324	.9324	.9321	.9324	.9324	.9324	.9324	.9324	.9324
29	.6556	.9057	.9257	.9257	.9257	.9057	.9257	.9257	.9057	.9257	.9057	.9057	.9257	.9257	.9057
30	.6276	.6701	.6701	.6701	.6721	.6701	.6701	.6701	.5721	.5721	.5721	.5721	.5721	.5721	.5721
31	.6878	.6546	.6546	.6546	.6546	.6546	.6546	.6546	.6545	.6546	.6545	.6546	.6546	.6546	.6545
32	.5105	.6105	.6105	.6105	.6105	.6105	.6105	.6105	.6105	.6105	.6105	.6105	.6105	.6125	.6125
33	.6112	.6112	.6112	.6112	.6112	.5112	.5112	.5112	.5112	.5112	.5112	.5112	.5112	.5112	.5112
34	.6157	.6157	.6157	.6157	.6157	.5157	.5157	.5157	.5157	.5157	.5157	.5157	.6157	.5157	.6157

Table I-118
USMC Officer Transition Continuation Rates

FILE: CS1D14MO 07562-1K A1 MM/SP CONVERSATIONAL MONITOR SYSTEM

CONTINUATION RATES, SCENARIO 2 GRANDFATHERING AT YOS 35 1/24/84 22:58:29

YOS	FY84 Yr: 1	2	3	4	5	6	7	8	9	10	15	20	25	26	
1	.9581	.9618	.9618	.9618	.9618	.9618	.9618	.9618	.9618	.9618	.9618	.9618	.9618	.9618	.
2	.9538	.9559	.9559	.9559	.9559	.9559	.9559	.9559	.9559	.9559	.9559	.9559	.9559	.9559	.
3	.8554	.8639	.8639	.8639	.8639	.8639	.8639	.8639	.8639	.8639	.8639	.8639	.8639	.8639	.
4	.8595	.8679	.8679	.8679	.8679	.8679	.8679	.8679	.8679	.8679	.8679	.8679	.8679	.8679	.
5	.8654	.8738	.8738	.8738	.8738	.8738	.8738	.8738	.8738	.8738	.8738	.8738	.8738	.8738	.
6	.8582	.8662	.8662	.8662	.8662	.8662	.8662	.8662	.8662	.8662	.8662	.8662	.8662	.8662	.
7	.8995	.9246	.9246	.9246	.9246	.9246	.9246	.9246	.9246	.9246	.9246	.9246	.9246	.9246	.
8	.9038	.9278	.9278	.9278	.9278	.9278	.9278	.9278	.9278	.9278	.9278	.9278	.9278	.9278	.
9	.9269	.9293	.9293	.9293	.9293	.9293	.9293	.9293	.9293	.9293	.9293	.9293	.9293	.9293	.
10	.9178	.9188	.9188	.9188	.9188	.9188	.9188	.9188	.9188	.9188	.9188	.9188	.9188	.9188	.
11	.8532	.8549	.8549	.8549	.8549	.8549	.8549	.8549	.8549	.8549	.8549	.8549	.8549	.8549	.
12	.8588	.8609	.8609	.8609	.8609	.8609	.8609	.8609	.8609	.8609	.8609	.8609	.8609	.8609	.
13	.9209	.9218	.9218	.9218	.9218	.9218	.9218	.9218	.9218	.9218	.9218	.9218	.9218	.9218	.
14	.9392	.9398	.9398	.9398	.9398	.9398	.9398	.9398	.9398	.9398	.9398	.9398	.9398	.9398	.
15	.9517	.9523	.9523	.9523	.9523	.9523	.9523	.9523	.9523	.9523	.9523	.9523	.9523	.9523	.
16	.9513	.9518	.9518	.9518	.9518	.9518	.9518	.9518	.9518	.9518	.9518	.9518	.9518	.9518	.
17	.9630	.9634	.9634	.9634	.9634	.9634	.9634	.9634	.9634	.9634	.9634	.9634	.9634	.9634	.
18	.9556	.9555	.9556	.9555	.9555	.9556	.9556	.9556	.9556	.9556	.9556	.9556	.9556	.9556	.
19	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.9414	.
20	.6459	.6424	.6424	.6424	.6424	.6424	.6424	.6424	.6424	.6424	.6424	.6424	.6424	.6424	.
21	.7555	.6854	.6864	.6864	.6854	.6854	.6854	.6854	.6854	.6854	.6854	.6854	.6854	.6864	.
22	.8297	.8251	.8251	.8251	.8251	.8251	.8251	.8251	.8251	.8251	.8251	.8251	.8251	.8251	.
23	.8647	.8426	.8426	.8426	.8426	.8426	.8426	.8426	.8426	.8426	.8426	.8426	.8426	.8426	.
24	.8533	.8242	.8242	.8242	.8242	.8242	.8242	.8242	.8242	.8242	.8242	.8242	.8242	.8242	.
25	.8186	.8692	.8692	.8692	.8692	.8692	.8692	.8692	.8692	.8692	.8692	.8692	.8692	.8692	.
26	.9461	.9254	.9254	.9254	.9254	.9254	.9254	.9254	.9254	.9254	.9254	.9254	.9254	.9254	.
27	.7963	.9228	.9226	.9225	.9228	.9228	.9228	.9226	.9225	.9228	.9228	.9228	.9228	.9228	.
28	.7575	.8859	.8859	.8859	.8859	.8859	.8859	.8859	.8859	.8859	.8859	.8859	.8859	.8859	.
29	.7718	.9043	.9043	.9043	.9043	.9043	.9043	.9043	.9043	.9043	.9043	.9043	.9043	.9043	.
30	.5978	.5925	.5905	.6926	.6926	.6906	.6906	.6906	.6905	.6905	.6925	.5925	.5925	.5925	.
31	.5964	.5964	.5964	.5964	.5964	.5964	.5964	.5964	.5964	.5964	.5964	.5964	.5964	.5964	.
32	.5207	.5207	.5227	.5227	.5227	.5207	.5207	.5227	.5207	.5207	.6027	.6027	.5227	.5207	.
33	.6227	.6227	.6227	.6227	.6227	.6227	.6227	.6227	.6227	.5227	.5227	.5027	.5027	.5227	.
34	.6268	.6268	.6268	.6268	.6268	.6268	.6268	.6268	.6268	.6268	.6268	.6268	.6268	.6268	.

Table I-119
USAF Officer Transition Continuation Rates

FILE: CSIDI6FG 07SC2-1F A1 WR/CP CONVENTIONAL FORCE SYSTEMS

CONTINUATION RATES, SCENARIO 2 GRANDFATHERING AT YOS 25 1/24/94 23:07:25

YOS	YIG4 YRS: 1	2	3	4	5	6	7	8	9	10	15	20	25	30
1	.9708	.9713	.9713	.9713	.9713	.9713	.9713	.9713	.9713	.9713	.9713	.9713	.9713	.9713
2	.9261	.9255	.9255	.9255	.9255	.9255	.9255	.9255	.9255	.9255	.9255	.9255	.9255	.9255
3	.9295	.9344	.9344	.9344	.9344	.9344	.9344	.9344	.9344	.9344	.9344	.9344	.9344	.9344
4	.8519	.8696	.8696	.8696	.8696	.8696	.8696	.8696	.8696	.8696	.8696	.8696	.8696	.8696
5	.9228	.9254	.9254	.9254	.9254	.9254	.9264	.9264	.9264	.9264	.9264	.9254	.9254	.9264
6	.8668	.8779	.8779	.8779	.8779	.8779	.8779	.8779	.8779	.8779	.8779	.8779	.8779	.8779
7	.9209	.9182	.9182	.9182	.9182	.9182	.9182	.9182	.9182	.9182	.9182	.9182	.9182	.9182
8	.9214	.9259	.9259	.9259	.9259	.9259	.9259	.9259	.9259	.9259	.9259	.9259	.9259	.9259
9	.9359	.9426	.9426	.9426	.9426	.9426	.9426	.9426	.9426	.9426	.9426	.9426	.9426	.9426
10	.9254	.9387	.9387	.9527	.9387	.9387	.9387	.9387	.9387	.9387	.9387	.9387	.9387	.9387
11	.9222	.9231	.9231	.9231	.9231	.9231	.9231	.9231	.9231	.9231	.9231	.9231	.9231	.9231
12	.9268	.9269	.9269	.9269	.9269	.9269	.9269	.9269	.9269	.9269	.9269	.9269	.9269	.9269
13	.9591	.9583	.9683	.9583	.9523	.9583	.9583	.9583	.9583	.9583	.9683	.9623	.9623	.9623
14	.9538	.9581	.9681	.9581	.9581	.9681	.9581	.9581	.9681	.9681	.9681	.9681	.9621	.9621
15	.9589	.9526	.9526	.9526	.9526	.9526	.9526	.9526	.9526	.9525	.9525	.9526	.9526	.9526
16	.9589	.9593	.9593	.9593	.9593	.9693	.9593	.9593	.9593	.9593	.9593	.9593	.9593	.9593
17	.9587	.9612	.9612	.9612	.9612	.9612	.9512	.9512	.9512	.9512	.9612	.9612	.9612	.9612
18	.9552	.9553	.9553	.9553	.9553	.9553	.9553	.9553	.9553	.9553	.9553	.9553	.9553	.9553
19	.9349	.9349	.9349	.9349	.9349	.9349	.9349	.9349	.9349	.9349	.9349	.9349	.9349	.9349
20	.7395	.6237	.6237	.5207	.6227	.6227	.6237	.6237	.6237	.6237	.6237	.6227	.5237	.6237
21	.7592	.8197	.81	.8197	.8197	.8197	.8197	.8197	.8197	.8197	.8197	.8197	.8197	.8197
22	.8251	.8216	.8216	.8216	.8216	.8216	.8216	.8216	.8216	.8216	.8216	.8216	.8216	.8216
23	.8391	.9275	.9275	.9275	.9275	.9275	.9276	.9275	.9275	.9275	.9275	.9275	.9275	.9275
24	.8745	.8967	.8967	.8967	.8967	.8967	.8967	.8967	.8967	.8967	.8967	.8967	.8967	.8967
25	.7749	.8442	.8442	.8446	.8448	.8448	.8448	.8448	.8448	.8448	.8442	.8448	.8448	.8442
26	.9744	.8588	.8688	.8688	.8688	.8688	.8588	.8588	.8588	.8588	.8588	.8588	.8588	.8588
27	.7342	.8757	.8757	.8757	.8757	.8757	.8757	.8757	.8757	.8757	.8757	.8757	.8757	.8757
28	.5584	.6482	.6482	.6483	.6482	.6482	.6482	.6488	.6483	.6482	.6483	.6483	.6486	.6483
29	.7544	.9127	.9127	.9127	.9127	.9127	.9127	.9127	.9127	.9127	.9127	.9127	.9127	.9127
30	.6895	.6935	.6935	.6935	.6935	.6935	.6935	.6935	.6935	.6935	.6935	.6935	.6935	.6935
31	.5295	.5295	.5496	.5295	.5295	.5895	.5895	.5496	.5295	.5295	.5295	.5295	.5495	.5295
32	.6189	.6189	.6189	.6189	.6189	.6189	.6189	.6189	.6189	.6189	.6189	.6189	.6189	.6189
33	.6137	.6137	.6137	.6137	.6137	.6137	.6137	.6137	.6137	.6137	.6137	.6137	.6137	.6137
34	.5177	.6177	.5177	.5177	.5177	.5177	.5177	.5177	.5177	.5177	.5177	.5177	.5177	.5177

Table I-120
Army Enlisted Transition Continuation Rates

FILE: CSTD12AE E75E2-1A A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

CONTINUATION RATES, SCENARIO 2 GRANDFATHERING AT YOS 13 1/04/84 15:58:16

YOS	FY84 YR: 1	2	3	4	5	6	7	8	9	10	15	20	25	32
1	.8335	.8336	.8336	.8336	.8336	.8336	.8336	.8336	.8335	.8335	.8336	.8336	.8336	.8335
2	.6349	.6365	.6365	.6365	.6365	.6365	.6365	.6365	.6365	.6365	.6365	.6365	.6365	.6365
3	.5124	.5336	.5336	.5338	.5338	.5338	.5336	.5336	.5336	.5335	.5338	.5338	.5338	.5338
4	.7293	.7251	.7451	.7251	.7251	.7251	.7251	.7251	.7251	.7251	.7251	.7251	.7251	.7251
5	.8757	.8853	.8853	.8853	.8853	.8853	.8853	.8853	.8853	.8853	.8853	.8853	.8853	.8853
6	.8314	.8451	.8451	.8451	.8451	.8451	.8451	.8451	.8451	.8451	.8451	.8451	.8451	.8451
7	.8322	.8469	.8469	.8469	.8469	.8469	.8469	.8469	.8469	.8469	.8469	.8469	.8469	.8469
8	.8416	.8568	.8568	.8565	.8556	.8565	.8568	.8556	.8565	.8565	.8568	.8568	.8568	.8568
9	.8785	.8984	.8984	.8984	.8984	.8984	.8984	.8984	.8984	.8984	.8984	.8984	.8984	.8984
10	.9272	.9174	.9174	.9174	.9174	.9174	.9174	.9174	.9174	.9174	.9174	.9174	.9174	.9174
11	.9191	.9236	.9236	.9236	.9236	.9236	.9236	.9236	.9236	.9236	.9236	.9236	.9236	.9236
12	.9251	.9371	.9371	.9371	.9371	.9371	.9371	.9371	.9371	.9371	.9371	.9371	.9371	.9371
13	.9428	.9428	.9526	.9526	.9526	.9526	.9526	.9526	.9526	.9526	.9526	.9526	.9526	.9526
14	.9536	.9538	.9538	.9631	.9631	.9631	.9631	.9631	.9631	.9631	.9631	.9631	.9631	.9631
15	.9523	.9623	.9623	.9623	.9729	.9729	.9729	.9729	.9729	.9729	.9729	.9729	.9729	.9729
16	.9713	.9713	.9713	.9713	.9713	.9786	.9786	.9786	.9786	.9786	.9786	.9786	.9786	.9786
17	.9831	.9831	.9831	.9831	.9831	.9831	.9859	.9859	.9859	.9859	.9859	.9859	.9859	.9859
18	.9905	.9905	.9905	.9905	.9905	.9905	.9905	.9928	.9928	.9928	.9928	.9928	.9928	.9928
19	.9894	.9894	.9894	.9894	.9894	.9894	.9894	.9894	.9894	.9894	.9894	.9894	.9894	.9894
20	.5197	.5197	.5197	.5197	.5197	.5197	.5197	.5197	.5197	.5675	.5675	.5675	.5675	.5675
21	.6225	.6225	.6225	.6225	.6225	.6225	.6225	.6225	.6225	.6811	.6811	.6811	.6811	.6811
22	.6947	.6947	.6947	.6947	.6947	.6947	.6947	.6947	.6947	.6947	.6464	.6464	.6464	.6464
23	.7226	.7226	.7226	.7226	.7226	.7226	.7226	.7226	.7226	.7226	.6494	.6494	.6494	.6494
24	.7545	.7545	.7545	.7545	.7545	.7545	.7545	.7545	.7545	.7545	.6932	.6932	.6932	.6932
25	.8120	.8120	.8120	.8120	.8122	.8122	.8120	.8122	.8122	.8122	.8122	.6362	.6362	.6362
26	.9463	.9463	.9463	.9463	.9463	.9463	.9463	.9463	.9463	.9463	.7959	.7955	.7959	.7953
27	.9825	.9825	.9825	.9525	.9825	.9825	.9825	.9825	.9825	.9825	.9825	.9271	.9271	.9271
28	.7721	.7721	.7721	.7721	.7721	.7721	.7721	.7721	.7721	.7721	.7721	.9625	.9625	.9625
29	.7306	.7309	.7309	.7309	.7309	.7309	.7309	.7308	.7308	.7308	.7308	.5551	.5851	.5851
30	.1773	.1773	.1773	.1773	.1773	.1773	.1773	.1773	.1773	.1773	.1773	.1338	.1338	.1338
31	.1854	.1854	.1854	.1854	.1854	.1854	.1564	.1564	.1564	.1564	.1564	.2159	.2159	.2159
32	.1673	.1673	.1673	.1673	.1673	.1673	.1673	.1673	.1673	.1673	.1673	.1973	.2152	.2152
33	.1663	.1663	.1663	.1663	.1663	.1663	.1663	.1663	.1663	.1663	.1663	.1663	.1663	.1663
34	.1695	.1695	.1695	.1695	.1695	.1695	.1695	.1695	.1695	.1695	.1695	.1695	.1695	.1695

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Table I-121
Navy Enlisted Transition Continuation Rates

FILE: CS1D12AE E7562-1K A1 W&/SP CONVENTIONAL MONITOR STATES

CONTINUATION RATES, SCENARIO 2 GRANDFATHERING A1 YOS 12 1/04/04 22:04:22

YOS	FY04	YE: 1	2	3	4	5	6	7	8	9	10	15	20	25	30	
1	.6715	.6715	.6715	.6715	.6715	.6715	.6715	.6715	.6715	.6715	.6715	.6715	.6715	.6715	.6715	.
2	.6616	.6625	.6625	.6625	.6625	.6625	.6625	.6625	.6625	.6625	.6625	.6625	.6625	.6625	.6625	.
3	.7564	.7928	.7928	.7928	.7928	.7928	.7928	.7928	.7928	.7928	.7928	.7928	.7928	.7928	.7928	.
4	.4892	.5267	.5267	.5267	.5267	.5267	.5267	.5267	.5267	.5267	.5267	.5267	.5267	.5267	.5267	.
5	.8256	.8356	.8356	.8356	.8356	.8356	.8356	.8356	.8356	.8356	.8356	.8356	.8356	.8356	.8356	.
6	.7524	.7623	.7623	.7623	.7623	.7623	.7623	.7623	.7623	.7623	.7623	.7623	.7623	.7623	.7623	.
7	.6912	.6974	.6974	.6974	.6974	.6974	.6974	.6974	.6974	.6974	.6974	.6974	.6974	.6974	.6974	.
8	.8257	.8514	.8514	.8514	.8514	.8514	.8514	.8514	.8514	.8514	.8514	.8514	.8514	.8514	.8514	.
9	.8768	.8879	.8879	.8879	.8879	.8879	.8879	.8879	.8879	.8879	.8879	.8879	.8879	.8879	.8879	.
10	.8836	.8977	.8977	.8977	.8977	.8977	.8977	.8977	.8977	.8977	.8977	.8977	.8977	.8977	.8977	.
11	.9248	.9431	.9431	.9431	.9431	.9431	.9431	.9431	.9431	.9431	.9431	.9431	.9431	.9431	.9431	.
12	.9254	.9482	.9482	.9482	.9482	.9482	.9482	.9482	.9482	.9482	.9482	.9482	.9482	.9482	.9482	.
13	.9564	.9564	.9635	.9635	.9635	.9635	.9635	.9635	.9635	.9635	.9635	.9635	.9635	.9635	.9635	.
14	.9524	.9524	.9524	.9574	.9574	.9574	.9574	.9574	.9574	.9574	.9574	.9574	.9574	.9574	.9574	.
15	.9666	.9666	.9666	.9666	.9732	.9732	.9732	.9732	.9732	.9732	.9732	.9732	.9732	.9732	.9732	.
16	.9582	.9582	.9582	.9582	.9582	.9759	.9759	.9759	.9759	.9759	.9759	.9759	.9759	.9759	.9759	.
17	.9622	.9622	.9622	.9622	.9622	.9622	.9642	.9642	.9642	.9642	.9642	.9642	.9642	.9642	.9642	.
18	.9572	.9572	.9572	.9572	.9572	.9572	.9572	.9574	.9574	.9574	.9574	.9574	.9574	.9574	.9574	.
19	.8263	.8263	.8263	.8263	.8263	.8263	.8263	.8263	.8263	.8263	.8263	.8263	.8263	.8263	.8263	.
20	.5149	.5149	.5149	.5149	.5149	.5149	.5149	.5149	.5149	.4928	.4928	.4928	.4928	.4928	.4928	.
21	.6478	.6478	.6478	.6478	.6478	.6478	.6478	.6478	.6478	.6478	.7172	.7172	.7172	.7172	.7172	.
22	.6581	.6581	.6581	.6581	.6581	.6581	.6581	.6581	.6581	.6581	.6581	.6857	.6857	.6857	.6857	.
23	.7242	.7242	.7242	.7242	.7242	.7242	.7242	.7242	.7242	.7242	.7242	.8135	.8135	.8135	.8135	.
24	.7859	.7859	.7859	.7859	.7859	.7859	.7859	.7859	.7859	.7859	.7859	.8547	.8547	.8547	.8547	.
25	.6231	.6231	.6871	.6231	.6231	.6231	.6231	.6231	.6231	.6231	.6231	.7622	.7622	.7622	.7622	.
26	.9391	.9391	.9391	.9391	.9391	.9391	.9391	.9391	.9391	.9391	.9391	.9161	.9161	.9161	.9161	.
27	.7916	.7916	.7916	.7916	.7916	.7916	.7916	.7916	.7916	.7916	.7916	.8366	.8366	.8366	.8366	.
28	.8555	.8555	.8555	.8555	.8555	.8555	.8555	.8555	.8555	.8555	.8555	.8558	.9731	.9731	.9731	.
29	.7381	.7381	.7381	.7381	.7381	.7381	.7381	.7381	.7381	.7381	.7381	.7381	.8857	.8857	.8857	.
30	.4123	.4123	.4123	.4123	.4123	.4123	.4123	.4123	.4123	.4123	.4123	.4123	.4123	.6358	.6358	.
31	.4256	.4256	.4256	.4256	.4256	.4259	.4259	.4258	.4258	.4258	.4258	.4258	.4258	.5511	.5511	.
32	.4173	.4173	.4173	.4173	.4173	.4173	.4173	.4173	.4173	.4173	.4173	.4173	.4173	.4173	.4173	.
33	.4182	.4182	.4182	.4182	.4186	.4186	.4186	.4186	.4186	.4186	.4186	.4182	.4182	.4182	.4182	.
34	.4277	.4277	.4277	.4277	.4277	.4277	.4277	.4277	.4277	.4277	.4277	.4277	.4277	.4277	.4277	.

Table I-122
USMC Enlisted Transition Continuation Rates

FILE: C5TI12ME E7SS2-1F A1 [illegible] CONVERSATIONAL POWERSE SYSTEM

CONTINUATION RATES, SCENARIO 2 GRANDFATHERING AT YOS 13 1/24/94 22:12:25

YOS	FY84	YR: 1	2	3	4	5	6	7	8	9	10	15	20	25	30
1	.8644	.8644	.8644	.8644	.8644	.8644	.8644	.8644	.8644	.8644	.8644	.8644	.8644	.8644	.8644
2	.8364	.8375	.8378	.8378	.8378	.8378	.8378	.8378	.8378	.8378	.8378	.8378	.8378	.8378	.8378
3	.7264	.7175	.7175	.7175	.7175	.7175	.7175	.7175	.7175	.7175	.7175	.7175	.7175	.7175	.7175
4	.4527	.4187	.4187	.4187	.4187	.4187	.4187	.4187	.4187	.4187	.4187	.4187	.4187	.4187	.4187
5	.7694	.7527	.7687	.7527	.7527	.7687	.7687	.7687	.7527	.7687	.7687	.7527	.7527	.7527	.7687
6	.8294	.8421	.8221	.8221	.8221	.8421	.8221	.8221	.8221	.8221	.8221	.8221	.8221	.8221	.8221
7	.8125	.8268	.8252	.8268	.8268	.8262	.8268	.8262	.8262	.8262	.8262	.8262	.8262	.8252	.8252
8	.8308	.8449	.8449	.8449	.8449	.8449	.8449	.8449	.8449	.8449	.8449	.8449	.8449	.8449	.8449
9	.8329	.8504	.8504	.8504	.8524	.8524	.8504	.8504	.8524	.8524	.8524	.8524	.8524	.8524	.8504
10	.6472	.8666	.8666	.8666	.8566	.8666	.8566	.8566	.8555	.8555	.8565	.8556	.8666	.8556	.8666
11	.9283	.9217	.9217	.9217	.9217	.9217	.9217	.9217	.9217	.9217	.9217	.9217	.9217	.9217	.9217
12	.9136	.9285	.9286	.9286	.9286	.9255	.9255	.9256	.9285	.9285	.9285	.9285	.9285	.9285	.9295
13	.9393	.9393	.9517	.9517	.9517	.9517	.9517	.9517	.9517	.9517	.9517	.9517	.9517	.9517	.9517
14	.9466	.9465	.9465	.9592	.9592	.9592	.9592	.9592	.9592	.9592	.9592	.9592	.9592	.9592	.9592
15	.9618	.9618	.9618	.9718	.9718	.9718	.9718	.9718	.9718	.9715	.9718	.9718	.9718	.9718	.9718
16	.9524	.9624	.9624	.9624	.9624	.9772	.9772	.9772	.9772	.9772	.9772	.9772	.9772	.9772	.9772
17	.9658	.9656	.9656	.9656	.9658	.9884	.9884	.9884	.9894	.9894	.9894	.9894	.9894	.9894	.9894
18	.9808	.9828	.9808	.9828	.9808	.9908	.9908	.9918	.9912	.9912	.9912	.9912	.9918	.9912	.9912
19	.9544	.9544	.9644	.9544	.9544	.9644	.9544	.9544	.9544	.9544	.9544	.9544	.9544	.9544	.9544
20	.5127	.5127	.5127	.5127	.5127	.5127	.5127	.5127	.5127	.5269	.5269	.5269	.5269	.5269	.5269
21	.6529	.6529	.6529	.6529	.6529	.6529	.6529	.6529	.6529	.6529	.7434	.7434	.7434	.7434	.7434
22	.6684	.6684	.6784	.6684	.6684	.6684	.6684	.6684	.6684	.6684	.6684	.6455	.6455	.6455	.6455
23	.7551	.7551	.7851	.7551	.7551	.7551	.7551	.7551	.7551	.7551	.7551	.8232	.8232	.8232	.8232
24	.7552	.7552	.7352	.7352	.7552	.7852	.7352	.7352	.7352	.7352	.7352	.8934	.8934	.8934	.8934
25	.8438	.8438	.8438	.8438	.8438	.8438	.8438	.8438	.8438	.8438	.8438	.8672	.8672	.8672	.8672
26	.9579	.9579	.9579	.9579	.9579	.9579	.9579	.9579	.9579	.9579	.9579	.8973	.8973	.8973	.8973
27	.7851	.7851	.7851	.7851	.7851	.7851	.7851	.7851	.7851	.7851	.7851	.7851	.9552	.9552	.9552
28	.7351	.7951	.7551	.7351	.7351	.7951	.7351	.7351	.7351	.7351	.7351	.7351	.9532	.9532	.9532
29	.8216	.8216	.8216	.8216	.8216	.8216	.8216	.8216	.8216	.8015	.8215	.8016	.9152	.9152	.9152
30	.4282	.4282	.4282	.4262	.4252	.4252	.4282	.4282	.4252	.4282	.4282	.4282	.4282	.4252	.4282
31	.4096	.4096	.4096	.4296	.4296	.4096	.4096	.4296	.4295	.4295	.4295	.4296	.4296	.4296	.4095
32	.4111	.4111	.4111	.4111	.4111	.4111	.4111	.4111	.4111	.4111	.4111	.4111	.4111	.4111	.4111
33	.4127	.4127	.4127	.4127	.4127	.4127	.4127	.4127	.4127	.4127	.4127	.4127	.4127	.4127	.4127
34	.4145	.4145	.4145	.4145	.4145	.4145	.4145	.4145	.4145	.4145	.4145	.4145	.4145	.4145	.4145

Table I–123
USAF Enlisted Transition Continuation Rates

FILE: CS1D12FE A7562-1F A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

CONTINUATION RATES, SCENARIO 2 GRANDFATHERING AT YOS 13 1/24/94 22:18:55

YOS	FIRST YR: 1	2	3	4	5	6	7	8	9	12	15	20	25	30
1	.8662	.8661	.8661	.8661	.8661	.8661	.8661	.8661	.8661	.8661	.8661	.8661	.8661	.
2	.8972	.8972	.8972	.8972	.8972	.8972	.8972	.8972	.8972	.8972	.8972	.8972	.8972	.
3	.8729	.8730	.8732	.8732	.8732	.8732	.8732	.8732	.8732	.8732	.8732	.8732	.8732	.
4	.8231	.8493	.8493	.8493	.8493	.8493	.8493	.8493	.8493	.8493	.8493	.8493	.8493	.
5	.8543	.8631	.8631	.8631	.8631	.8631	.8631	.8631	.8631	.8631	.8631	.8631	.8631	.
6	.8522	.8642	.8642	.8642	.8642	.8642	.8642	.8642	.8642	.8642	.8642	.8642	.8642	.
7	.8716	.8831	.8831	.8831	.8831	.8831	.8831	.8831	.8831	.8831	.8831	.8831	.8831	.
8	.8567	.8725	.8725	.8725	.8725	.8725	.8725	.8725	.8725	.8725	.8725	.8725	.8725	.
9	.9218	.9294	.9294	.9294	.9294	.9294	.9294	.9294	.9294	.9294	.9294	.9294	.9294	.
10	.9428	.9479	.9479	.9479	.9479	.9479	.9479	.9479	.9479	.9479	.9479	.9479	.9479	.
11	.9413	.9481	.9481	.9481	.9481	.9481	.9481	.9481	.9481	.9481	.9481	.9481	.9481	.
12	.9492	.9583	.9583	.9583	.9583	.9583	.9583	.9583	.9583	.9583	.9583	.9583	.9583	.
13	.9752	.9783	.9783	.9783	.9783	.9783	.9783	.9783	.9783	.9783	.9783	.9783	.9783	.
14	.9824	.9824	.9824	.9843	.9843	.9843	.9843	.9843	.9843	.9843	.9843	.9843	.9843	.
15	.9847	.9847	.9847	.9847	.9871	.9871	.9871	.9871	.9871	.9871	.9871	.9871	.9871	.
16	.9863	.9863	.9863	.9863	.9863	.9925	.9925	.9925	.9925	.9925	.9925	.9925	.9925	.
17	.9935	.9935	.9935	.9935	.9935	.9935	.9939	.9939	.9939	.9939	.9939	.9939	.9939	.
18	.9951	.9951	.9951	.9951	.9951	.9951	.9951	.9951	.9951	.9951	.9951	.9951	.9951	.
19	.9952	.9952	.9952	.9952	.9952	.9952	.9952	.9952	.9952	.9952	.9952	.9952	.9952	.
20	.5293	.5293	.5293	.5293	.5293	.5293	.5293	.5293	.5293	.5867	.5867	.5867	.5867	.
21	.6589	.6589	.6589	.6589	.6589	.6589	.6589	.6589	.6589	.7253	.7253	.7253	.7253	.
22	.6917	.6917	.6917	.6917	.6917	.6917	.6917	.6917	.6917	.6917	.6557	.6557	.6557	.
23	.6567	.6567	.6567	.6567	.6567	.6567	.6567	.6567	.6567	.6567	.7524	.7524	.7524	.
24	.7898	.7898	.7898	.7898	.7898	.7898	.7898	.7898	.7898	.7898	.7898	.7898	.7898	.
25	.5363	.5363	.5363	.5363	.5363	.5363	.5363	.5363	.5363	.5363	.6026	.6026	.6026	.
26	.9222	.9222	.9222	.9222	.9222	.9222	.9222	.9222	.9222	.9222	.9222	.9222	.9222	.
27	.6565	.6565	.6565	.6565	.6565	.6565	.6565	.6565	.6565	.6565	.6565	.6565	.6565	.
28	.5555	.5555	.5555	.5555	.5555	.5555	.5555	.5555	.5555	.5555	.5555	.5555	.5555	.
29	.6978	.6978	.6978	.6978	.6978	.6978	.6978	.6978	.6978	.6978	.6978	.6978	.6978	.
30	.2673	.2673	.2673	.2673	.2673	.2673	.2673	.2673	.2673	.2673	.2673	.2673	.2673	.
31	.2885	.2885	.2885	.2885	.2885	.2885	.2885	.2885	.2885	.2885	.2885	.2885	.2885	.
32	.2897	.2897	.2897	.2897	.2897	.2897	.2897	.2897	.2897	.2897	.2897	.2897	.2897	.
33	.2911	.2911	.2911	.2911	.2911	.2911	.2911	.2911	.2911	.2911	.2911	.2911	.2911	.
34	.2926	.2926	.2926	.2926	.2926	.2926	.2926	.2926	.2926	.2926	.2926	.2926	.2926	.

Table I-124
Army Officer Transition Force Profiles

FILE: C5AD164C C7SC2-1A A1 WPS/SP CONVERSATIONAL POSITION SYSTEM

FORCE STRENGTH, SCENARIO 2 GRANDFATHERING A1 YOS 25 1/78/84 Sec:21547

YOS	FISC YR:	1	2	3	4	5	6	7	8	9	12	15	22	25	32
1	7551	7551	8181	9249	9219	9223	9235	9239	9434	9497	9459	9554	9155	9242	9197
2	7227	7227	7242	8764	8949	8819	8920	8921	8952	9226	9285	9373	8802	8824	8822
3	6525	6625	6347	6623	7823	7982	7954	8046	8755	8111	8128	8125	8429	7932	7945
4	6535	6635	5541	5424	5821	6746	6796	6772	6852	6859	6826	6876	693	6745	6759
5	5419	5419	5565	4516	4515	4739	5735	5972	5752	5845	5856	5928	5809	5742	5774
6	4832	4832	4812	5229	4276	4297	4261	5114	5152	5134	5183	5263	5216	5115	5125
7	4445	4445	4065	4254	4452	3755	3527	3772	4527	4954	4965	4583	4828	4852	4827
8	3525	3525	4029	3957	3851	4276	3436	3267	3419	4124	4173	4214	4427	4156	4147
9	3572	3572	3473	3655	3554	3526	3665	3116	2995	3125	3725	3914	3795	3774	3725
10	2996	2996	3283	3184	3354	3324	3224	3378	2955	2745	2855	3453	3526	3473	3414
11	3223	3223	2775	3244	2952	3122	3254	2959	3125	2555	2545	3225	3273	3241	3177
12	2851	2851	2707	2565	2745	2678	2813	2763	2595	2815	2895	2876	2955	2927	2879
13	2592	2592	2612	2458	2254	2514	2446	2577	2531	2469	2591	2644	2695	2691	2662
14	2756	2756	2714	2451	2527	2152	2359	2295	2413	2375	2215	2452	2521	2514	2494
15	2566	2566	2569	2545	2323	2187	2222	2217	2157	2272	2234	1928	2352	2351	2347
16	2312	2312	2579	2313	2275	2255	1953	1946	1991	1927	2332	1655	2299	2179	2123
17	2048	2048	2158	2428	2159	2124	1921	1624	1655	1943	1739	1512	1935	1995	1972
18	2494	2494	2146	1972	2220	1973	1842	1756	1666	1544	1692	1735	1777	1811	1825
19	3225	3225	2327	2241	1929	2052	1946	1811	1637	1554	1437	1547	1545	1694	1677
20	1815	1815	2842	2221	1552	1739	1542	1744	1713	1545	1459	1499	1295	1581	1522
21	1722	1722	1299	2224	1575	1354	1245	1388	1245	1225	1128	1293	992	1132	1147
22	1535	1535	1444	1296	1725	1321	1135	1245	1154	1245	1229	978	781	937	965
23	1418	1418	1279	1120	953	1335	1234	956	817	911	815	699	718	736	752
24	1245	1245	1291	1164	1229	776	1215	941	825	744	828	551	625	685	681
25	825	825	953	1197	1479	954	719	1126	872	769	594	582	594	614	627
26	742	742	736	965	1265	953	952	641	1225	775	658	565	541	542	559
27	552	552	572	669	764	967	572	772	551	812	725	552	454	516	522
28	544	544	595	614	611	717	884	796	765	531	631	511	435	443	459
29	325	325	442	462	497	495	581	710	545	572	431	459	322	347	369
30	286	286	273	394	432	445	442	528	541	577	512	371	312	318	276
31	117	117	175	179	259	282	292	290	241	422	379	253	215	212	173
32	52	52	71	126	129	157	172	178	177	227	255	195	146	123	112
33	27	27	32	43	54	66	95	124	148	127	128	145	92	75	75
34	28	28	15	19	27	39	42	56	61	65	65	56	56	42	45
35	0	0	12	14	12	15	24	25	35	39	39	45	33	25	25

Table I-125
Navy Officer Transition Force Profiles

FILE: CSTR1459 07562-16 A1 [illegible]

FORCE STRENGTH, SCENARIO 2 GRANDFATHERING AT YOS 35 1/24/94 10:48:16

YOS	STR	YR: 1	2	3	4	5	6	7	8	9	10	15	20	25	30
1	5389	5389	3686	6011	5347	6225	6251	5373	6142	6126	6155	6242	6116	5253	6018
2	5364	5364	5194	3545	5782	5728	5795	5859	5941	5988	5853	5997	5852	5922	5756
3	3517	3517	5024	4525	3387	5293	5235	5465	5465	5443	5511	5547	5676	5421	5417
4	4568	4568	3134	4145	4392	3884	4598	4546	4918	4964	4949	4962	5053	4978	4914
5	2586	2586	4286	2612	4762	3668	2545	4314	4257	4369	4271	4422	4473	4358	4389
6	3513	3513	2516	3658	2478	3415	3368	2257	3531	3542	3594	3769	3522	3785	3718
7	3191	3191	3716	2848	3142	2862	2824	2636	1935	3153	3129	3223	3282	3285	3195
8	3295	3295	2778	2527	2452	2735	1795	2654	2458	1585	2753	2813	2831	2845	2707
9	2742	2742	2789	2459	2284	2232	2451	1515	2295	2221	1519	2522	2515	2555	2452
10	2232	2232	2515	2559	2234	2159	2248	2259	1492	2183	2039	2283	223	2356	2281
11	2213	2213	1965	2214	2252	2878	1918	1583	1989	1325	1655	2025	2049	2276	2035
12	1585	1585	1683	1759	1953	2017	1905	1718	1514	1791	1158	1773	1825	1858	1815
13	1932	1932	1748	1671	1631	1639	1978	1677	1555	1497	1651	1652	1697	1729	1717
14	2854	2854	1822	1545	1576	1528	1724	1764	1581	1695	1412	968	1582	1593	1616
15	2836	2836	1971	1758	1552	1513	1475	1565	1594	1513	1435	1349	1524	1542	1559
16	2381	2381	1972	1989	1695	1532	1465	1428	1512	1542	1472	1751	1456	1491	1512
17	2234	2234	2385	1918	1548	1641	1484	1419	1354	1565	1583	922	1395	1437	1463
18	1794	1794	2146	2215	1835	1776	1577	1426	1353	1269	1521	1345	1355	1384	1394
19	1746	1746	1738	2078	2145	1777	1728	1527	1391	1328	1183	1191	824	1325	1384
20	1544	1544	1686	1675	2227	2272	1717	1661	1475	1334	1275	1288	1135	1284	1380
21	1176	1176	1112	1215	1289	1445	1493	1237	1197	1252	951	922	945	915	955
22	1017	1017	947	936	979	975	1155	1223	997	954	855	532	479	729	752
23	959	959	966	907	763	834	836	992	1225	949	822	695	623	627	641
24	974	974	881	735	741	781	765	763	912	841	779	565	518	353	582
25	598	592	792	795	719	671	534	552	593	824	851	524	495	455	528
26	656	656	625	692	697	629	598	556	585	524	722	492	450	422	457
27	488	488	593	547	525	532	569	532	582	545	545	497	455	259	427
28	381	381	445	541	439	578	575	528	485	459	501	494	417	376	375
29	365	365	355	413	501	464	529	533	453	451	425	473	342	312	214
30	283	283	328	319	372	451	415	476	498	435	425	514	315	238	250
31	142	142	188	219	212	248	308	279	317	226	293	331	228	211	193
32	98	98	92	123	143	136	161	195	181	225	205	181	159	154	89
33	72	72	68	56	74	85	94	98	113	116	125	112	123	92	92
34	36	36	44	36	34	45	52	56	59	72	67	61	58	49	44
35	0	0	23	27	22	21	28	32	31	36	44	39	52	31	29

Table I–126
USMC Officer Transition Force Profile

FILE: CS1514M0 07562-1h A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

FORCE STRENGTH, SCENARIO 2 GRANDFATHERING AT YOS 35 1/24/94 22:52:22

YOS	FY94	1	2	3	4	5	6	7	8	9	12	15	22	25	32
1	1467	1467	1328	1753	1755	1751	1792	1793	1797	1773	1787	1785	172	1738	1726
2	1498	1492	1436	1294	1718	1722	1716	1756	1757	1761	1743	1737	1675	1702	1697
3	804	524	1425	1375	1237	1542	1544	1548	1579	1579	1593	1557	1569	1562	1523
4	1321	1321	694	1234	1187	1068	1417	1419	1415	1445	1449	1416	1428	1353	1403
5	1168	1182	1.45	662	1067	1229	926	1228	1232	1227	1256	1213	1246	1226	1219
6	1078	1078	1030	1260	525	931	899	948	1273	1276	1271	1253	1252	1253	1254
7	1261	1261	926	692	866	454	806	776	695	525	952	942	939	927	919
8	978	975	959	937	925	752	918	728	723	632	633	660	647	643	628
9	892	892	796	869	759	731	709	673	650	657	572	773	752	757	742
10	773	773	828	739	807	744	579	558	345	515	591	722	597	715	554
11	685	685	788	759	678	749	646	622	623	319	561	646	641	559	625
12	515	515	516	625	545	578	532	551	530	515	272	553	551	559	539
13	503	503	443	444	520	557	497	543	474	456	442	475	457	479	477
14	594	594	462	487	488	479	513	457	522	435	419	329	447	437	448
15	533	533	557	434	382	353	448	481	429	459	428	343	419	424	415
16	587	587	507	532	412	363	363	426	457	407	445	335	388	386	396
17	582	582	563	486	529	395	348	346	486	438	391	166	374	378	377
18	489	489	560	542	468	489	360	334	335	393	421	334	356	358	362
19	519	519	466	534	517	446	466	362	318	319	375	328	256	350	342
20	361	361	488	438	502	486	419	458	342	293	299	322	258	326	316
21	219	219	231	313	281	322	311	268	281	213	191	235	176	225	203
22	178	178	152	156	214	192	222	213	154	192	149	147	71	142	142
23	216	216	147	123	130	175	158	181	175	151	156	135	168	116	119
24	175	175	203	138	116	123	164	148	169	164	142	119	124	92	111
25	177	177	161	166	129	127	113	151	137	155	153	94	122	94	103
26	122	122	153	139	161	111	93	98	132	119	124	82	122	76	87
27	101	101	111	142	125	148	103	86	91	122	112	85	85	41	81
28	89	89	93	103	123	117	135	95	82	94	110	122	88	72	75
29	69	69	72	75	83	123	93	109	76	64	68	76	66	56	45
30	65	65	63	65	58	75	92	84	97	69	56	79	51	54	46
31	34	34	45	43	45	47	52	53	53	57	43	55	35	43	33
32	17	17	29	27	26	27	28	31	38	35	40	31	24	24	11
33	12	12	10	12	15	15	16	17	19	25	21	20	19	15	13
34	7	7	7	6	7	10	9	10	12	11	14	9	11	9	8
35	0	0	4	4	4	4	6	6	5	5	7	5	7	5	5

Table I-127
USAF Officer Transition Force Profiles

FILE: CF2D14F0 07SEP-15 A1 AMTP CONVENTIONAL FORCE SYSTEM

FORCE STRUCTURE, SCENARIO 2 GRADUATE BEGINNING AT YOS 25 1 24/84 22:17:15

YOS	BSPC	YRS	1	2	3	4	5	6	7	8	9	12	15	22	25	30
1	6878		6878	6134	6867	6115	8164	8163	8134	8269	8158	8082	8661	8471	8587	8652
2	6902		6832	6574	7893	8591	8645	8892	8591	8858	8414	8878	8644	8262	8313	8573
3	6835		6826	6428	6178	7287	8235	8178	8121	8222	8184	8334	8004	7723	7579	7754
4	6807		6827	6274	5962	6762	6612	7521	7634	7678	7674	7733	7478	7288	7122	7218
5	6684		6784	6893	4569	5815	5119	6754	6565	6784	6524	6619	6733	6515	6258	6402
6	6703		6693	6922	4528	4173	4962	4727	6568	6168	6478	6412	6241	6128	5835	5915
7	4169		4169	6256	4157	3871	3662	4315	4155	4814	5414	5585	5567	5352	5126	5185
8	4731		4731	4154	4782	3548	3611	3325	3924	3778	4475	4922	5183	4961	4717	4702
9	4029		4029	4027	3543	4621	3615	3342	3278	3532	3494	4123	4592	4528	4412	4321
10	3998		3998	3775	3773	3619	4163	3423	3145	2999	3417	3291	4353	4326	4253	4229
11	3564		3564	3345	3529	3523	3364	3371	3155	2324	2595	3179	4075	4031	3941	3763
12	3648		3648	3379	3285	3236	3234	3102	3978	2819	2687	2485	3739	3753	3855	3467
13	3563		3563	7385	3136	2853	3023	3322	2979	3312	2725	2522	3489	3535	3395	3263
14	4219		4219	3615	3246	2706	2744	2979	2678	2762	3175	2597	2959	3270	3259	3168
15	3954		3954	4243	3273	3112	2851	2636	2759	2755	4545	3243	2626	3224	3154	3109
16	3921		3921	3760	3564	3113	2957	2742	2568	2524	2522	2515	3375	3247	3213	2945
17	4286		4286	3733	3536	3719	3212	2562	2858	2419	2557	2535	1949	2932	2913	2965
18	4245		4245	4111	3533	3457	3555	2887	2744	2541	2324	2431	2429	2763	2557	2753
19	3852		3852	4252	3916	3468	3324	3099	2903	2515	2826	2212	2092	2393	2715	2527
20	2428		2428	3592	3778	3665	3435	3124	3178	2365	2435	2259	2386	1995	2514	2462
21	2296		2295	1505	2255	2358	2274	2212	1929	1972	1595	1515	1291	1219	1554	1547
22	2276		2276	1877	1231	1527	1922	1559	1545	1577	1612	1325	1128	845	1272	1277
23	1875		1875	1774	1536	1229	1497	1575	1543	1245	1292	1321	982	752	1224	1868
24	1194		1194	1596	1539	1332	913	1355	1425	1378	1220	1169	778	736	841	985
25	1178		1176	1274	1519	1378	1245	917	1214	1675	1254	1092	753	585	557	849
26	877		877	951	968	1278	1159	1245	967	1221	1473	1035	693	585	557	711
27	878		878	845	957	779	1186	1223	927	595	884	925	631	531	425	614
28	692		692	691	727	747	679	864	574	791	515	778	579	454	387	525
29	362		362	312	376	470	476	432	614	557	584	532	424	251	257	305
30	321		321	329	283	342	427	432	395	557	585	457	421	252	295	234
31	175		175	207	227	195	236	295	296	271	385	349	312	225	178	163
32	64		64	126	126	139	115	143	176	181	164	233	195	153	112	85
33	45		45	39	64	75	83	72	87	129	112	122	113	122	56	57
34	37		37	26	24	29	45	51	43	53	66	67	45	59	42	35
35	0		0	23	17	15	24	29	31	27	33	42	43	35	25	23

Table I–128
Army Enlisted Transition Force Profiles

FILE: C81I128E A75C2-1R A1 — W/SP CONFIGURATIONAL MODIFIER SYSTEM

FORCE STRENGTH, SCENARIO 2 STANDPATTERNING AT YOS 13 1/24/84 15:55:29

YOS FY84 YR:	1	2	3	4	5	6	7	8	9	10	15	20	25	30	
1	107889	107889	142799	128479	124645	127722	128799	127196	127623	126739	126621	129732	132829	131353	131851	13
2	96542	96542	89875	115456	126888	123295	123854	127254	125523	126255	125639	127173	112594	123341	123364	13
3	124785	124785	88674	74939	99321	93484	86215	92963	93627	83511	86794	89526	92351	91556	91565	9
4	63118	63115	58651	43223	39963	51687	47879	45933	48518	47737	47222	47555	43828	43351	43793	4
5	46192	46192	45728	46478	31151	28548	28251	31537	33245	25133	34622	34391	35275	35294	35361	3
6	42129	42129	42954	42436	35521	27563	25582	33631	30545	29491	31879	32184	32643	31352	31388	3
7	32852	32852	25549	34439	34137	32223	23259	21513	28562	25785	24597	25439	25832	25555	25554	2
8	22298	22325	17626	32277	29151	28653	25572	19587	19257	24151	21817	21659	21547	22539	22365	2
9	21726	21725	13851	22647	25746	24979	24723	21586	16552	15653	22654	15459	15627	19221	19179	1
10	18422	18422	19727	17747	21824	22981	22219	21992	19472	14994	13923	16653	16542	15972	15975	1
11	17866	17866	16983	17713	16264	19277	20965	22363	22154	17544	13735	15492	15225	15373	15646	1
12	13989	13989	15092	15579	16450	15185	17903	19491	15912	15717	15572	13551	13948	14153	14515	1
13	9787	9787	13295	15532	14575	15399	14148	15759	19247	17723	17522	13235	13146	13253	13673	1
14	9456	9456	9115	12436	14749	13938	14524	13126	15915	17323	16612	13921	12444	12537	12922	1
15	11202	11222	9211	8585	11955	14191	12411	14976	12922	15313	15672	13135	12123	12342	12253	1
16	8434	8434	10767	8662	8349	11625	13763	13227	13547	12531	14552	12584	11935	11552	11344	1
17	7780	7780	8194	10447	8485	8122	11345	13455	12716	13361	14259	13439	11871	11312	11485	1
18	6285	6286	7555	8224	10243	8242	7943	11155	13239	12525	13117	14924	11274	11156	11283	1
19	6457	6457	6289	7454	7925	10119	8142	7947	11223	13273	12355	14971	12339	11032	11112	1
20	6551	6551	6372	6127	7365	7821	9964	8032	7743	10577	12928	15156	9213	11020	10945	1
21	5221	5221	5551	3383	3175	3617	4254	5175	4163	4213	6156	7575	5614	5331	6132	
22	3528	3528	3137	2154	1994	1988	2294	2456	3189	2581	2411	3852	4225	3451	3557	
23	2476	2476	2489	2143	1457	1355	1383	1566	1663	2124	1738	2784	3 7	2324	2385	
24	2252	2252	1736	1557	1521	1021	949	913	1293	1155	1435	1559	2313	1557	1434	
25	1474	1474	1558	1306	1269	1129	768	714	585	525	677	1573	1949	1123	1342	
26	974	974	1193	1254	1257	1228	913	622	575	555	653	1183	1413	1214	1139	
27	736	736	918	1125	1192	997	969	661	587	545	524	662	952	1242	659	
28	559	559	722	898	1120	1157	975	948	542	57a	534	671	955	1296	822	
29	399	399	429	554	690	846	969	758	725	647	441	542	872	1052	871	
30	429	425	298	312	402	501	615	646	545	532	471	365	913	954	561	
31	44	44	76	51	55	71	85	128	114	95	93	51	91	117	93	
32	5	5	8	14	18	18	13	16	22	21	19	9	12	21	23	
33	1	1	1	2	3	2	2	2	3	1	1	2	2	5	6	
34	0	0	1	0	2	0	0	0	0	1	1	2	1	1	1	
35	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	

Table I-129
Navy Enlisted Transition Force Profiles

FILE: C51D12ME E7SE2-1% A1 [illegible] OF CONVENTIONAL MANTOR SYSTEM

FORCE STRENGTH, SCENARIO 2 GRANDFATHERING AT YOS 13 1/24/94 22:12:19

YOS	FY94 YR:	1	2	3	4	5	6	7	8	9	10	15	20	25	30	
1	31691	31591	36186	39293	37555	35479	37777	37671	37024	37185	37425	37651	37956	37617	37941	3
2	33756	33556	27366	32277	33231	32412	31502	32621	32723	33231	32112	31412	32528	32759	32768	3
3	28788	28788	27919	22925	27521	28399	27129	25256	27303	27371	26977	27721	27416	27413	27624	2
4	21776	21776	22269	22212	18419	19764	22357	19446	19699	19571	19522	19582	19731	19545	19577	1
5	11478	11478	6934	9054	8212	5736	6117	5352	7375	7254	5229	4952	5258	5245	5268	
6	8942	8942	8974	5357	7251	5403	5253	5334	5514	6222	5447	5225	5261	5292	5255	
7	6894	6894	7282	7288	5722	5799	5259	4314	5199	5249	5112	5462	5112	5171	5165	
8	5210	5712	5277	5991	5214	4722	4755	4342	3551	4291	4415	4193	4220	4252	4261	
9	3732	3732	4229	4454	5267	5275	3985	4239	3553	3225	3522	3591	3547	3545	3595	
10	3221	3221	3170	3592	3794	4286	4212	3265	3431	3112	3553	3042	3012	3254	3249	
11	2739	2739	2789	2745	3112	3276	3719	3733	3231	3271	3694	3544	3610	3525	3647	
12	2243	2243	2522	2567	2527	2953	3215	3424	3437	2939	2735	2412	2357	2418	2439	
13	2249	2249	2081	2339	2751	2344	2856	2798	3177	3159	2523	2342	2223	2227	2268	
14	1936	1936	1923	1979	2224	2254	2229	2525	2552	3221	3132	2153	2185	2119	2154	
15	1711	1711	1736	1918	1936	2131	2178	2136	2419	2549	2894	1719	2052	2234	2253	
16	1267	1267	1642	1566	1765	1841	2269	2187	2274	2249	2474	2025	192	1972	1984	
17	1321	1321	1218	1579	1522	1579	1795	2228	2257	2226	2293	2191	1931	1912	1951	
18	957	957	1279	1186	1552	1575	1549	1772	1994	2229	1995	2133	1295	1994	1997	
19	1225	1225	965	1264	1194	1524	1557	1530	1751	1971	2285	2585	191	1922	1575	
20	516	516	955	929	1216	1139	1476	1497	1569	1694	1896	1572	1529	1923	1564	
21	555	555	417	494	455	622	552	754	766	582	555	1131	990	924	943	
22	544	544	422	272	322	327	425	379	491	499	522	838	822	725	593	
23	519	519	363	259	191	214	202	278	253	325	333	423	432	422	381	
24	325	325	391	272	217	135	151	152	223	192	247	335	449	321	313	
25	255	255	255	277	214	170	127	127	119	159	149	294	395	255	252	
26	199	199	223	214	255	182	142	98	127	182	133	225	324	254	206	
27	197	197	199	212	224	245	171	136	95	122	95	154	255	242	214	
28	115	115	154	145	155	159	192	134	126	69	92	122	214	229	214	
29	119	119	94	122	117	131	125	152	125	54	54	95	229	221	199	
30	104	104	95	75	97	93	104	100	121	84	67	52	157	255	150	
31	45	45	42	35	31	39	38	42	42	49	34	25	6	91	75	
32	14	14	16	17	15	13	16	15	17	17	22	8	1	35	33	
33	6	6	6	6	7	6	5	7	6	7	7	4	5	13	14	
34	3	3	2	2	3	3	3	2	3	3	3	1	2	5	7	
35	2	2	1	1	1	1	1	1	1	1	1	1	1	2	3	

Table I-130
USMC Enlisted Transition Force Profiles

FILE: CSTBIZME E7SEC-2A A1 DMSP CONVERSATIONAL MONITOR SYSTEM

FORCE STRENGTH, SCENARIO 2 GRANDFATHERING AT YOS 12 1/04/84 22:23:54

YOS	FY84	YR: 1	2	3	4	5	6	7	8	9	10	15	20	25	30	
1	88969	88969	82253	85532	85586	82905	85513	85957	85315	85202	85513	87582	87514	87321	87579	8
2	76973	76572	62452	72537	77280	75389	72289	75325	74845	74905	74183	75547	76369	75126	75997	7
3	68198	65198	66321	51740	66926	66414	64957	62217	64921	64451	64453	64671	65774	65526	65532	6
4	52377	52377	51639	52525	40979	52912	52502	51446	45273	51425	51279	51539	52497	52219	51941	5
5	25561	25561	25503	26141	26591	26745	26756	26629	26245	24945	25722	25726	26556	26234	26329	2
6	23218	23218	23943	21294	21928	22203	17222	22366	22234	21747	22950	21726	21547	22225	21927	2
7	16726	16726	22249	22562	15215	15622	15968	18191	17232	15921	16552	15295	15617	15771	15722	1
8	16114	16114	16769	15946	20441	14537	14928	15157	11525	15265	15179	14731	14526	15232	14939	1
9	12295	12295	13725	14279	15955	17355	12354	12573	12592	14257	12985	12035	12543	12334	12774	1
10	12379	12379	11794	12157	12555	15245	15422	12957	11241	11435	8921	11192	11132	11433	11281	1
11	11476	11476	11101	10577	10922	11359	13496	12831	9239	10791	10255	9521	10735	10137	12164	1
12	9862	9862	12512	10459	9965	10272	12702	12715	10231	9265	9495	9467	9312	9495	9554	
13	8415	8415	9351	12244	9308	9439	9732	12137	12244	12344	8773	9155	9395	9352	9477	
14	8328	8328	8242	8716	8658	8537	8966	9265	9758	11593	11681	8574	8565	8514	8965	
15	7741	7741	7891	7714	8729	8528	8215	8981	9252	9434	11234	8642	8331	8326	8512	
16	6784	6784	7475	7710	7449	8465	8262	8362	8557	8864	8155	8277	7755	8122	8181	
17	6122	6122	6894	7229	7491	7224	8254	8238	8736	8323	8573	7934	7924	7776	7921	
18	7476	7476	5995	5752	7475	7247	7255	8142	8554	8574	8159	7697	7932	7598	7745	
19	6526	6526	7211	5783	5857	6929	7448	8546	7815	8552	8272	12367	7697	7421	7455	
20	5576	5576	5473	5955	4777	6991	5541	6922	5622	6457	7264	8323	6924	8176	6174	
21	4221	4221	2017	2611	2859	2453	2358	2697	2392	2857	3161	3422	3492	2899	3224	
22	2985	2995	2727	1943	1515	1977	1554	1523	1571	1932	1955	2213	2175	2155	2132	
23	2297	2297	1935	1765	1264	1177	1282	1227	955	1213	1252	1335	1244	1299	1261	
24	1344	1344	1514	1395	1177	913	852	925	742	715	577	1142	142	1256	1225	
25	1258	1252	1226	1156	1055	875	897	649	725	567	545	999	1175	996	873	
26	771	771	941	922	925	955	781	555	522	555	454	592	749	575	524	
27	638	535	721	757	769	855	902	734	522	495	529	499	555	541	553	
28	501	501	523	569	621	625	583	531	575	412	393	425	532	494	515	
29	388	388	516	434	490	525	522	555	544	435	355	342	539	572	523	
30	195	195	285	362	319	362	392	382	432	399	354	224	490	576	542	
31	129	129	92	115	155	132	147	152	157	175	163	95	195	211	192	
32	52	52	55	33	49	66	55	62	58	65	75	45	43	147	99	
33	29	29	22	23	14	22	27	23	25	28	25	17	19	42	27	
34	39	39	12	9	12	5	9	11	12	11	12	5	8	15	13	
35	8	8	17	5	4	4	2	4	5	4	5	5	2	5	5	

Table I-131
USAF Enlisted Transition Force Profiles

FILE: C:\2\2FE 17562-1F A1 — WPAFB CONFIGURATION SYSTEM

FORCE STRENGTH, SCENARIO 2 STEADY-STATE, AS YOS IS 1/24/26 22:18:58

YOS	FISC YR:	1	2	3	4	5	6	7	8	9	10	15	20	25	30	
1	61718	61718	67574	69136	68849	68285	67449	65726	63129	60545	56633	60836	59619	55424	58523	6
2	54424	54424	54532	54169	51139	52987	53572	53724	52834	51172	53757	52289	57695	52739	52562	5
3	54229	54229	57298	48429	57317	54229	52371	51398	52345	53345	54125	53522	53758	53912	52815	5
4	45385	45368	47121	42785	42215	46532	47295	47372	45342	46142	47613	47262	47532	46928	46925	4
5	31334	31334	24896	25658	27722	23158	25517	25954	25638	24532	25328	25529	25548	25594	25711	2
6	23548	23548	27716	21465	22234	23557	19376	22228	22377	22272	21453	22212	22229	22336	22145	2
7	18348	18348	27561	22218	16527	19243	21222	17241	19569	18314	19222	18721	18721	18151	19164	1
8	15524	15524	16187	15155	24571	15344	16376	17436	15212	16751	17439	17032	16915	15393	15987	1
9	15357	15357	17519	14118	15825	17931	16247	14797	15535	13253	14522	14753	14542	14927	14737	1
10	14578	14572	14258	12544	13188	14694	15548	13226	13735	14515	14214	12453	12552	13751	13645	1
11	12117	12117	13592	13543	11973	12486	13315	15765	12527	13213	13745	12529	12962	12249	13834	1
12	13587	13587	11477	13158	12759	11341	11751	13179	14932	11354	12322	12329	11975	12157	12264	1
13	9136	9136	13218	10286	12597	12243	12857	11249	12617	14235	11258	11941	11825	11585	11739	1
14	12539	12539	9899	12313	12739	12311	11355	14511	12595	12331	13971	11376	11523	11555	11631	1
15	12786	12786	12682	8733	12723	12559	12165	11766	10433	10811	12125	12158	11121	11133	11255	1
16	12162	12162	12499	12295	8591	12526	12412	11537	11682	10239	14652	11812	10758	11139	11841	1
17	9553	9553	12031	12316	12213	9454	12393	12343	11212	11434	10191	11252	11252	12751	12922	1
18	9238	9238	9762	9859	12282	12121	9286	12265	12212	11787	11279	12556	11225	11231	12962	1
19	9531	9531	7977	9593	9353	12118	12289	9322	12192	10134	11619	13185	10738	12356	12914	1
20	9116	9116	9467	7917	9616	9789	12213	11919	9261	12181	12859	11551	9677	12575	12554	1
21	6882	6888	4812	4469	4179	5876	5167	5245	6292	4351	5115	5285	5766	5252	5439	
22	5594	5594	4569	3218	2952	2788	3356	3447	4233	4197	2629	3533	3639	3834	3721	
23	3729	3729	3859	2166	2214	2257	1523	2336	2375	2322	2855	2225	2849	2136	2135	
24	2238	2232	2452	2535	2252	1454	1751	1263	1534	1552	1913	1722	1923	1571	1589	
25	1572	1572	1599	1929	1395	1638	1146	1264	995	1283	1232	1336	1535	1285	1485	
26	1551	1651	1314	1336	1612	1666	1369	957	995	931	1023	1256	1255	1213	1125	
27	1321	1321	1484	1152	1222	1449	1499	1232	551	733	747	730	572	727	725	
28	1265	1265	923	1215	597	621	691	1725	941	585	547	758	634	564	671	
29	834	834	699	500	551	445	454	547	567	455	225	429	63	717	564	
30	322	322	579	485	246	269	269	315	379	393	323	242	455	558	466	
31	161	161	92	165	139	99	111	98	92	133	112	53	154	155	193	
32	83	83	46	26	47	48	26	32	25	26	31	16	17	47	51	
33	13	13	24	13	8	14	11	9	9	7	7	5	7	15	14	
34	4	4	4	7	4	2	4	3	2	3	2	2	2	5	5	
35	2	2	1	1	2	1	1	1	1	1	1	1	2	1	1	

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DERIVATION OF TAPERED DISCOUNT RATES

Implied rates of discount may be derived from an understanding of how personnel policies influence the growth of human capital over the course of a career.

The following analysis draws heavily from an unpublished dissertation entitled "A Neoclassical View of Human Capital in the United States Air Force" submitted by Major Roy E. Smoker, USAF to the University of Missouri, Columbia, Mo.

Personnel policies in each of the Services define the type and level of entry education necessary for recruits to enter specific military careers. As the Services recruit unskilled enlisted personnel for entry at the lowest level on the career ladder, they must provide opportunities for specialized training (TRNG) necessary to meet increased performance requirements over the course of a career. In addition to training policies, the Services provide policies that impact on the standard of living of their members. Some of these include the granting of permanent change of station travel (TRVL), annual leave (LEAV), and medical (MED) non-availibility. When these policies are taken into account, the return to the Services, measured in years of working service (TYWS), may be estimated for personnel in each year of service. Mathematically,

$$(1) \quad TYWS_t = YOS_t - NINV_t$$

where

$$(2) \quad NINV_t = TRNG_t + TRVL_t + LEAV_t + MED_t$$

and $t = 1, 2, \ldots, 30$ years of service.

The Services maintain a degree of control over separations by setting limits on years of service for certain grade levels. Through joint control over entry, promotion, and separation the Services can take positive action to control the marginal contribution to the mean service time before separation for each year of service cohort group. Letting (ESL_t) represent the sum of marginal contributions to mean service time from entry to year of service (t), a production function for expected service life to each year of service may be specified in terms of the human capital content of the force as:

$$(3) \quad ESL_t = a\, e^{-q_t}\, EAGE_t^{b1}\, NINV_t^{b2}\, TYWS_t^{b3}$$

where

$$(4) \quad EAGE_t = EED_t + PSCH_t$$

and (5) $b_1 + b_2 + b_3 = 1$.

By construction, the production function assumes that attrition and, therefore replacement, occurs at a uniform exponential rate over years of service. Individuals entering the work force are assumed to have the latest knowledge as EAGE represents education beyond preschool (PSCH). Furthermore, members in the work force may share technology improvements through continued investment in human capital (NINV). Equation (3) is written in the generalized Cobb-Douglas production function form for output of a given vintage. As such, the production function provides for substitution among the separate factors and allows diminishing returns. The equation implies the Services are trying to produce some level of expected service life (ESL) from a cohort aged to each year of service by procuring inputs of labor in terms of years of working service (TYWS) and human capital in terms of EAGE and NINV. That is, the Services are trying to put the right individual with the right training in the right job (through PCS moves) and trying to maintain his health and morale (through medical and leave policies).

To solve for implicit discount rates, it is necessary to understand the properties of the production function and the associated age constraint. The age constraint may be written as:

$$(6)\quad AGE_t = EAGE_t + YOS_t = EAGE_t + NINV_t + TYWS_t \ .$$

When taking partial derivatives of the production function with respect to EAGE, NINV, and TYWS, one obtains the respective marginal contributions to expected service life. These are:

$$(7a)\quad \frac{d\ ESL}{d\ EAGE} = b_1 \frac{ESL}{EAGE} \ ,$$

$$(7b)\quad \frac{d\ ESL}{d\ NINV} = b_2 \frac{ESL}{NINV} \ , \text{ and}$$

$$(7c)\quad \frac{d\ ESL}{TYWS} = b_3 \frac{ESL}{TYWS} \ .$$

Multiplying equations (7) by the respective ratios of input per unit output yields the elasticities of output. These are:

$$(8a)\quad \frac{EAGE}{ESL} * \frac{d\ ESL}{d\ EAGE} = b_1 \ ,$$

$$(8b)\quad \frac{NINV}{ESL} * \frac{d\ ESL}{d\ NINV} = b_2 \ , \text{ and}$$

$$(8c)\quad \frac{TYWS}{ESL} * \frac{d\ ESL}{d\ TYWS} = b_3 \ .$$

Because the production function is homogeneous of degree one, the output elasticities represent the percentage share of total output returned to each input. Recognizing that when an individual enters the work force his entry education and therefore entry age are fixed, all inputs will not be increasing in the same proportion over his life cycle. Since the b_i represent the relative shares of expected service life due to each input, it must also hold that the b_i represent the relative shares of the value of service life attributable to each input. Letting TVAR represent the accrued value of average revenue (measured as regular military compensation plus Special and Incentive pays) to each year of service for an individual and using equation (8) we have:

$$(9)\quad TVAR_t = b_1 * TVAR_t + b_2 * TVAR_t + b_3 * TVAR_t .$$

By specifying the prices of each element of human capital and using equations (4) and (6), we have:

$$(10a)\quad TVAR_t = PAGE_t * (AGE_t - PSCH_t) ,$$

$$(10b)\quad b_1 * TVAR_t = PEED_t * (EAGE_t - PSCH_t) ,$$

$$(10c)\quad b_2 * TVAR_t = PNINV_t * (NINV_t) ,$$

$$(10d)\quad b_3 * TVAR_t = PTYWS_t * (TYWS_t) , \text{ and}$$

$$(10e)\quad (b_1 + b_2)\, TVAR_t = PTINV_t * (EAGE_t + NINV_t - PSCH_t) .$$

Therefore, equation (9) may be rewritten therefore as:

$$(11)\quad PAGE_t * (AGE_t - PSCH_t) = PEED_t * (EAGE_t - PSCH_t) + PNINV_t * (NINV_t) + PTYWS_t * (TYWS_t) ;$$

and letting:

$$(12)\quad TINV_t = EAGE_t + NINV_t ,$$

we may write (11) as:

$$(13)\quad PTYWS_t * TYWS_t = PAGE_t * (AGE_t - PSCH_t) - PTINV_t * (TINV_t - PSCH_t) .$$

Equation (13) expresses the true discount for years of working service as the value of an annuity based on AGE minus the value of the principal invested, TINV, both adjusted to remove years in preschool from the valuation process. The investment period, which is not shown, is

the expected service life. Dividing both sides of (13) by PTINV * (TINV-PSCH) and using (6) yields:

$$(14)\quad \frac{PTYWS_t \;*\; TYWS_t}{PTINV_t \;\; (TINV_t \; - \; PSCH_t)}$$

$$\frac{PAGE_t}{PTINV_t} * \left[1 + \frac{TYWS_t}{TINV_t - PSCH_t} \right] - 1 \; .$$

Recognizing the investment period is the expected service life (ESL_t), one may determine the discount rate, or under continuous compounding by solving:

$$(15)\quad e^{r_t \, ESL_t} = \frac{PAGE_t}{PTINV_t} * \left[1 + \frac{TYWS_t}{TINV_t - PSCH_t} \right].$$

That is, upon taking logarithms

$$(16)\quad r_t = \left[\ln PAGE_t - \ln PTINV_t + \ln \left(1 + \frac{TYWS_t}{TINV_t - PSCH_t} \right) \right] / \; ESL_t \; .$$

The resulting discount rates are based on human capital investment, excluding preschool, and are real or natural discount rates rather than nominal or money discount rates. To see this, equation (16) may be rewritten using equations (6) and (10) and cancelling out TVAR in each expression to yield:

$$(17)\quad r_t = \ln \left[\frac{1}{b_1 + b_2} \right] / \; ESL_t \; .$$

From equation (17), the discount rates can be seen to depend only on the form of the production function and, in that sense, represent real rates.

With information available in equation (10) and the production function (3), one may also compute money or nominal discount rates. The value of the marginal products for EED, NINV and TYWS may be found from (10) to be:

$$(18a)\quad PEED_t = b_1 * \frac{TVAR_t}{EAGE_t - PSCH_t} \; ,$$

$$(18b)\quad PNINV_t = b_2 * \frac{TVAR_t}{NINV_t} \; , \text{ and}$$

$$(18c)\quad PTYWS_t = b_3 * \frac{TVAR_t}{TYWS_t} \; .$$

The marginal gains to expected service life due to EED, NINV and TYWS are found from the production function to be:

$$(19a)\quad MPP_{EED_t} = b_1 * \frac{ESL_t}{EAGE_t - PSCH_t},$$

$$(19b)\quad MPP_{NINV_t} = b_2 * \frac{ESL_t}{NINV_t}, \text{ and}$$

$$(19c)\quad MPP_{TYWS_t} = b_3 * \frac{ESL_t}{TYWS_t}.$$

Hence, in steady-state equilibrium with gains equal to losses, the marginal cost per unit of marginal product for each type of input will be equal and will equal the marginal cost of increasing expected service life. In equation form, dividing (18) by (19) yields:

$$(20)\quad \frac{PEED_t}{MPP_{EEP_t}} = \frac{PNINV_t}{MPPN_{INV_t}} = \frac{PTYWS_t}{MPP_{TYWS}} = \frac{TVAR_t}{ESL_t}.$$

Given the marginal costs by year of service, the money or nominal discount rates may be determined by solving:

$$(21)\quad e^{d(t-1)} = \frac{TVAR_t}{ESL_t} \Big/ \frac{TVAR_1}{ESL_1}, \text{ and}$$

$$(22)\quad d = \left[\ln\left(\frac{TVAR_t}{ESL_t}\right) - \ln\left(\frac{TVAR_t}{ESL_1}\right) \right] / (t-1).$$

Using 1976 data developed in studies of Air Force manhour availability factors, two forms of estimates of the implicit discount rates were made. Both the single equation ordinary least squares and the simultaneous two-stage least squares estimates are provided in Table 1. The corresponding sets of discount rates are labeled Taper I and Taper II in Table 2. Along with the estimates for the real discount rates are estimates of nominal discount rates for each of the Services. The analysis of human capital in developing personnel discount rates also has implications concerning productivity, as can be seen from the allocations of time over a working life cycle displayed in Table 3. As can be seen in Table 2, the nominal discount rates fall below the real discount rates in the first couple of years of service. This phenomenon is expected, as the real discount rates are controlled to account for the training provided by the Services while the nominal rates are not.

Table 1
Personnel Production Function Equations

ESL	ln Constant	e^{-qt}	b_1	b_2	b_3	R_2	F-TEST	N
1st Stage	-.1926 (.1780)	-.01198 (.0014)	.4497 (.0360)	.2870 (.0264)	.2633 (.0582)	.992	1160.8	30
2nd Stage	-.5380 (.2302)	-.01154 (.0006)	.5150 (.0438)	.1090 (.0108)	.3760 (.0758)	.999	6817.3	30

Table 2
Discount Rates for Enlisted Personnel

	Real Rates		Nominal Rates			
YOS	TAPPER I	TAPPER II	ARMY	NAVY	USMC	USAF
1	.164	.236	-	-	-	-
2	.119	.169	.075	.080	.138	.062
3	.103	.140	.084	.092	.119	.074
4	.095	.124	.118	.105	.129	.082
5	.090	.112	.133	.127	.147	.103
6	.087	.105	.134	.132	.153	.110
7	.083	.098	.113	.135	.154	.112
8	.080	.092	.130	.133	.150	.110
9	.079	.089	.127	.131	.148	.109
10	.079	.085	.124	.128	.145	.107
11	.076	.084	.120	.125	.141	.104
12	.076	.081	.117	.122	.138	.101
13	.075	.077	.114	.118	.134	.098
14	.075	.076	.110	.115	.130	.096
15	.073	.075	.107	.111	.126	.093
16	.074	.074	.104	.108	.123	.090
17	.073	.074	.102	.105	.119	.088
18	.073	.071	.099	.102	.116	.086
19	.073	.071	.096	.099	.113	.084
20	.072	.071	.094	.092	.110	.081
21	.071	.069	.092	.090	.108	.080
22	.072	.069	.090	.093	.105	.079
23	.072	.069	.089	.091	.103	.078
24	.070	.067	.087	.092	.101	.077
25	.072	.067	.086	.090	.099	.076
26	.070	.066	.085	.089	.098	.075
27	.071	.065	.084	.088	.096	.074
28	.071	.065	.083	.086	.094	.074
29	.071	.064	.082	.085	.093	.073
30	.070	.064	.081	.084	.091	.072

Table 3
Annual Allocations to Elements of Human Capital

YOS	EAGE	TRNG	TRVL	LEAV	MED	YWS
1	18.73	.208	.016	.054	.021	.701
2	18.76	.161	.012	.057	.018	.752
3	18.91	.114	.009	.060	.017	.800
4	18.56	.085	.007	.060	.016	.831
5	18.70	.063	.006	.059	.016	.856
6	18.51	.054	.006	.056	.015	.869
7	18.65	.046	.005	.054	.015	.880
8	18.93	.044	.005	.052	.014	.884
9	18.74	.044	.005	.051	.014	.887
10	18.74	.034	.004	.050	.014	.897
11	18.34	.035	.004	.049	.013	.897
12	18.47	.035	.004	.048	.013	.899
13	19.19	.042	.004	.048	.013	.893
14	18.69	.036	.004	.046	.013	.900
15	18.47	.040	.004	.045	.013	.898
16	18.24	.034	.004	.045	.013	.904
17	17.84	.035	.004	.044	.013	.904
18	18.71	.037	.004	.044	.013	.901
19	18.37	.037	.004	.043	.014	.902
20	18.00	.036	.005	.042	.014	.903
21	18.26	.040	.005	.041	.015	.900
22	18.19	.037	.005	.040	.015	.903
23	17.85	.039	.005	.039	.016	.901
24	18.27	.046	.005	.038	.017	.895
25	17.96	.033	.005	.038	.017	.907
26	18.43	.044	.006	.037	.018	.896
27	18.69	.044	.006	.036	.019	.896
28	18.69	.044	.006	.036	.019	.895
29	18.69	.044	.006	.035	.200	.895
30	18.69	.048	.006	.035	.210	.890

ACOL APPLICATIONS TO THE U.S COAST GUARD

A Coast Guard force of 4,931 officers and 32,272 enlisted personnel was subjected to ACOL force structure modeling. The small size of the officer population and absence of strict occupational distinction made analysis at the aggregate level desirable. Small enlisted occupational groups, or ratings, also precluded analysis below the aggregate.

Initial attempts to model a Coast Gurad force structure were frustrated by the absence of detailed pay data; the Coast Guard is only currently implementing the computerized Joint Uniformed Military Pay System (JUMPS). Further, some data, such as detailed training costs, were also unavailable in a useable format. However, a Coast Guard ACOL model was eventually constructed and run using available Coast Guard data in conjunction with appropriate DoD Service data files believed, in general, to match the Coast Guard population characteristics and pay policies. A majority of these assumptions were made concerning distributions of personnel receiving certain allowances (BAQ, VHA, BAS) or the distribution of personnel and average amounts paid to persons receiving certain Special and Incentive pays. Navy data was believed to be most applicable for use in the area of allowances, while Army data was believed more representative of the Coast Guard in the area of special pays.

In general, the Coast Guard force reacted very similarly to the DoD forces under the various retirement scenarios. Figures 1 and 2 show Coast Guard officer and enlisted force structures under a scenario entailing 75% COLA increases for retirees until age 62 and a 3% per year penalty for retirement prior to 30 years of service (YOS). The resulting structure is plotted against the base, or seven-year average, force structure. Changes in the force structure resulting from this scenario for various YOS groupings are summarized in Tables 1 and 2.

Table 1
Effect of 75% COLA/3% Pre-30 YOS Penalty
Retirement Scenario on the Coast Guard
Officer Force Structure

YOS	BASE	NEW STRUCTURE	% Change
Accessions	343	384	+ 12.0
5-30+	3,612	3,454	- 4.4
1-4	1,319	1,477	+ 12.0
5-10	1,403	1,533	+ 9.3
11-20	1,510	1,415	- 6.3
21-30+	699	507	- 27.5

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Table 2
Effect of 75% COLA/3% Pre-30 YOS Penalty
Retirement Scenario on the Coast Guard
Enlisted Force Structure

YOS	BASE	NEW STRUCTURE	% Change
Accessions	5,602	6,581	+ 17.5
5-30+	13,521	10,737	- 20.6
1-4	18,751	21,535	+ 14.9
5-10	7,434	6,968	+ 6.3
11-20	5,467	3,478	- 36.4
21-30+	619	291	- 53.0

Both the officer and enlisted structures show increases in accession levels and reductions in career force (YOS 5-30+) personnel. For the enlisted force, these changes are substantial, with a 17.5% increase in required accessions and a 20.6% decrease in the career force. The greatest percent reduction in career personnel occurs in the YOS 21-30+ cell which shows a -53% change; personnel in the YOS 11-20 cell are reduced 36.4%.

Figures 1 and 2 also show the force structure resulting from the addition of retirement trust fund EARLY WITHDRAWALS of 200% and 300%, for officer and enlisted personnel respectively, in combination with the previously described COLA reduction and early retirement penalty. This scenario restores both force structures to levels close to the originals. The one area of noteable exception is the officer structure in the 21-30 YOS cell which is not retored.

Figure 1

OFFICER STRENGTH

U.S.COAST GUARD

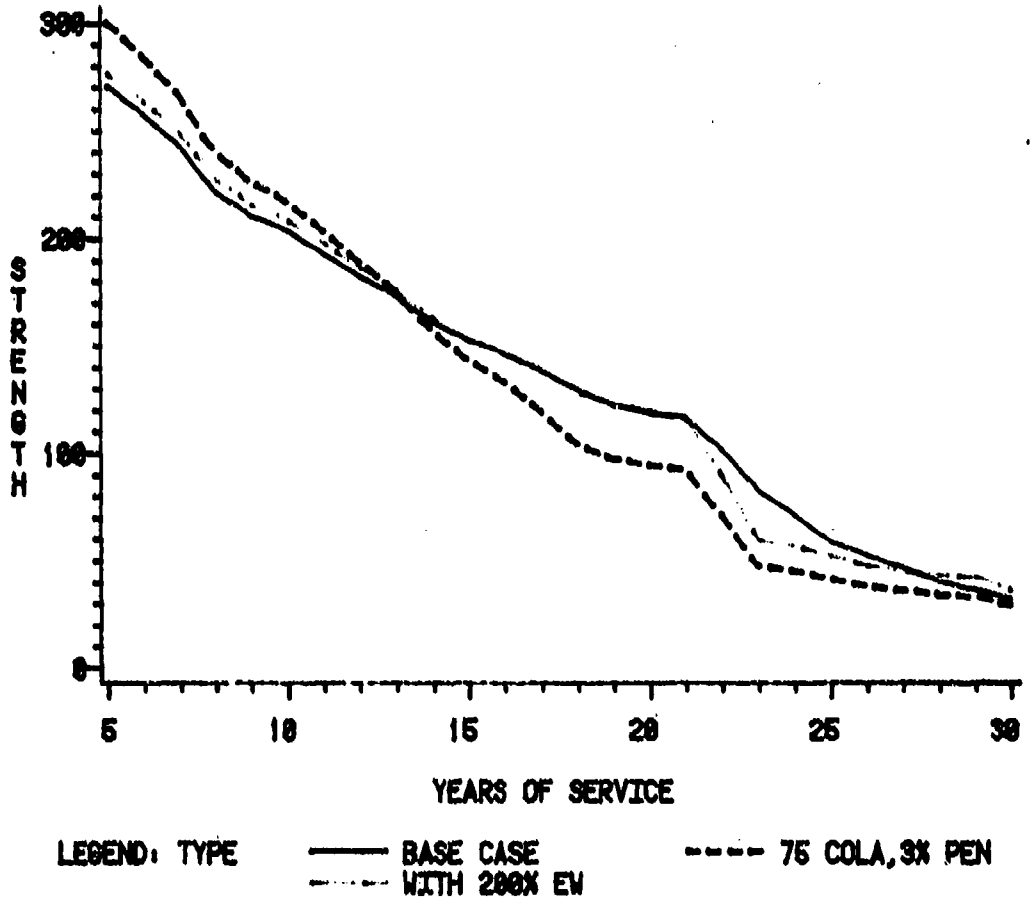
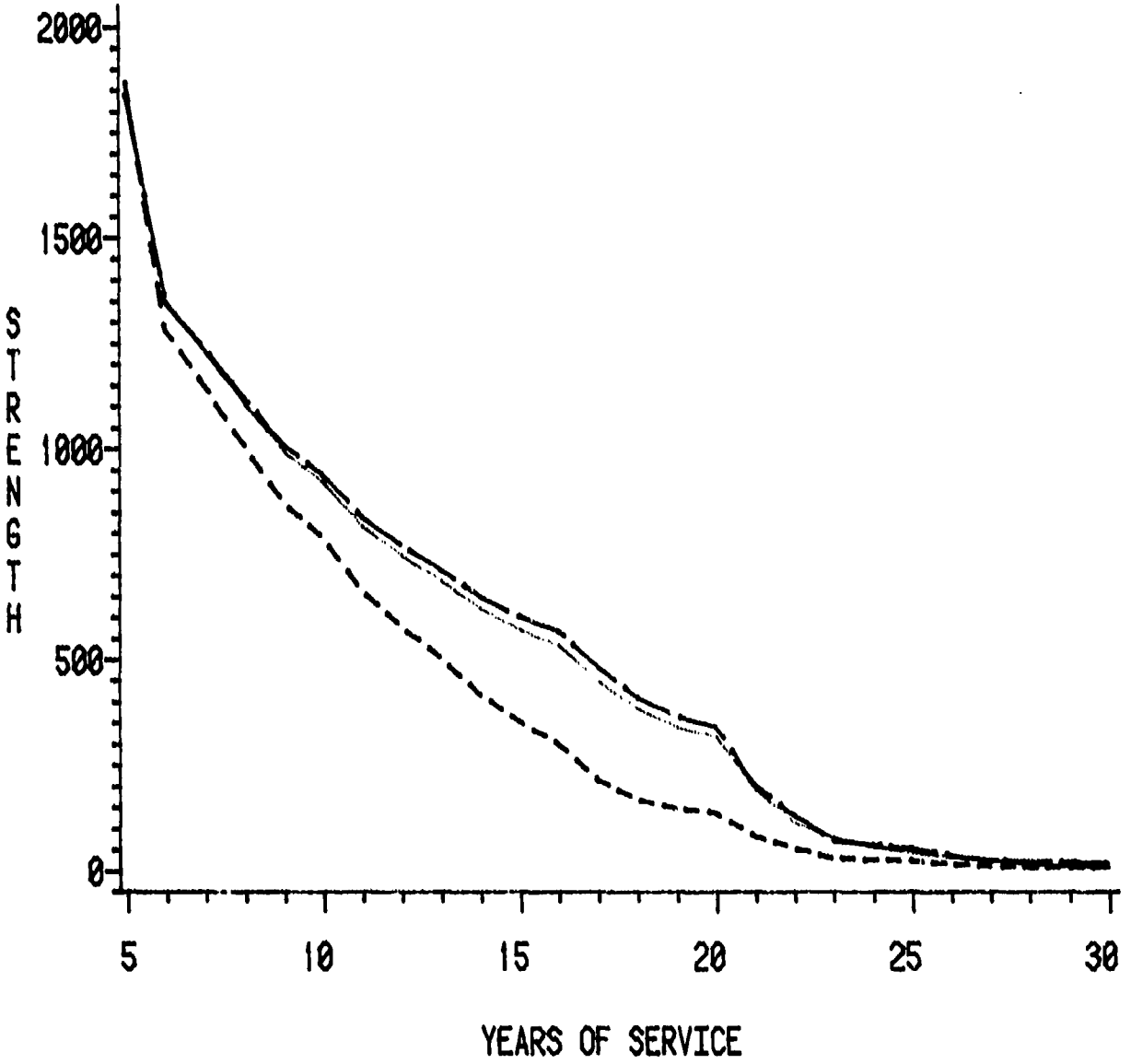


Figure 2

ENLISTED STRENGTH

U.S.COAST GUARD



PERSONAL DISCOUNT RATES:
ESTIMATES FOR THE MILITARY POPULATION

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May 20, 1983

Study Prepared for:
Fifth Quadrennial Review of Military Compensation

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I. INTRODUCTION

This report presents SRA's empirical estimates of personal discount rates for military officers and enlisted personnel. The subject of discount rates is arcane, but has assumed great relevance for the analysis of military compensation being conducted by the Fifth Quadrennial Review of Military Compensation. A major issue in this assessment is the extent to which the current and proposed retirement systems achieve the objective of attracting and retaining the personnel required by the military at minimum cost. In turn, the effect of deferred benefits on individual behavior depends crucially on how he discounts future income to the present. An individual's discount rate can be viewed simply as the relative preference for current over future income.

1.1 Overview

Models, such as the Annualized Cost of Leaving (ACOL) model, use discount rates to combine streams of future earnings with current income into a single present value measure (or an annualized equivalent). A stimulus to this analysis is the need for empirical evidence on personal discount rates and on how discount rates might vary across individual and military-related characteristics. The estimated discount rates derived from our analysis can be used in retention models to obtain more accurate present values of deferred compensation.

The specific objectives of SRA's analysis are to:

- Estimate real personal discount rates for the military population - officer and enlisted personnel;
- Estimate the roles of personal characteristics and military experience in affecting the size and distribution of personal discount rates;
- Link the empirical results to the ACOL model and assess the major implications for policy analysis.

Attaining these objectives will enhance the utility of retention models in assessing the implications of alternative compensation systems.

The importance of ascertaining the personal rate of discount is demonstrated by the following example. Assume that after 20 years of service, an individual qualifies for a lump-sum retirement payment of $100,000. This amount could also represent the present value of a hypothetical retirement annuity evaluated at the point of retirement. The potential effect of this future retirement benefit on an individual's current retention decision depends on its perceived present value. The latter is affected by (1) the discount rate, and (2) the remaining time until 20 years of service. In Table 1 the present value of the future $100,000 retirement benefit is calculated for several combinations of discount rates and current years of service.

TABLE 1

PRESENT VALUE OF FUTURE $100,000 RETIREMENT BENEFIT
(Available at 20 Years of Service)

Current Year of Service	Personal Discount Rate .05	.10	.15	.20
5 years	$ 47,237	$ 22,313	$ 10,540	$ 4,979
10 years	60,653	36,788	22,313	13,534
15 years	77,880	60,653	47,237	36,788
20 years	100,000	100,000	100,000	100,000

Alternative assumptions of the discount rate have a dominating effect on the calculated present value. The repercussions for retention analyses of current and proposed retirement systems (as well as other forms of delayed compensation) are quite clear. A lower discount rate will (1) extend the range of the "pull" effect of future benefits, as well as (2) strengthen the impact of the "pull" effect by increasing the present value term.

1.2 Study Approach and Results

The analysis focuses on real discount rates that are net of inflation. Real discount rates are believed to be quite stable over different economic conditions. A nominal discount rate is equal to the real rate plus the expected rate of inflation. The advantage of estimating real discount

rates is that it provides greater flexibility in analyzing compensation policy under alternative economic environments. For example, if deferred compensation is not adjusted for inflation, then a retention model should use a nominal discount rate. If deferred compensation is adjusted, then a real discount rate is most appropriate.

The data source for the study is the 1978-79 DoD Survey of Officers and Enlisted Personnel. The DoD Survey is representative of the military population, it is large (the analysis sample comprises over 9,000 officers and 20,000 enlisted personnel), and it is rich in personal detail. The DoD Survey poses a hypothetical situation to respondents: they are asked to choose among six retirement payout schedules in the context of retiring with 20 years of service. The payout options range from a large lump sum payment to a much smaller lifetime annuity benefit. Among officers, 71 percent selected the lifetime annuity, and among enlisted personnel the frequency was 58 percent. For the most part, survey respondents appear to have considered either the lump sum or the lifetime annuity alternative.

Each retirement option implies a real rate of return relative to the lump sum amount. Individual choices, in turn, imply a revealed preference for the rate of return associated with its respective retirement option. The analysis exploits this information to estimate underlying personal discount rates. In particular, the analysis focuses on the choice between the lifetime retirement annuity and all other payout options. This focus results in a binary outcome that is amenable to statistical estimation. The real rate of return associated with the lifetime annuity vis-a-vis the lump sum payment is 13.4 percent for both officers and enlisted personnel.

A probability model is developed that relates the likelihood of choosing the lifetime annuity to an individual's unobserved discount rate. The likelihood increases as an individual's real discount rate becomes smaller relative to the 13.4 percent rate of return, and vice-versa. The unobserved discount rate is assumed to be a function of observable characteristics. The probability model is then specified as a logistic function and estimated with a maximum-likelihood technique.

The resulting estimates of real personal discount rates in the military population are:

Group	Mean	90% Interval
Officer	10.3%	8.5% to 12.4%
Enlisted	12.5%	9.8% to 15.0%

The empirical analysis finds that discount rates vary significantly by personal and military-related characteristics. The results are corroborated by estimates from other studies of personal discount rates:

- Past military personnel surveys find nominal discount rates of

	1953 Survey	1971 Survey
-- Officer	6.5% to 10.6%	7.4% to 14.5%
-- Enlisted	11.0% to 20.2%	8.2% to 17.5%

- Cylke, Goldberg, Hogan, and Mairs (1982) estimate real discount rates of

  -- Navy enlisted (YOS 3,4): 15% to 18.5%

- Gilman (1976) estimates real discount rates for nonprofit institution employees (18 to 45 years old) of

  -- 1.3% to 24.0%

- Selected anayses of civilian-based samples estimate discount rates of:

-- Landsberger (1971)	9% to 27%
-- Heckman (1976)	18% to 20%
-- Hausman (1979)	15% to 25%

The analysis then turns to an examination of how the results affect the ACOL model. Average discount rates are computed for 104 officer and 208 enlisted groups. Groups are defined by Service, YOS, and technical versus nontechnical occupation for enlisted personnel. Group-based regression equations are estimated for both the officer and enlisted groups. The estimated equations provide a compact way to describe and interpret discount rate variation across military groups. The group-based results enable us to insert discount rates easily into the ACOL model.

Comparisons of our results with those used currently by the ACOL model suggest two conclusions. First, the ACOL discount rates are too high for YOS≤10 groups and too low for YOS>10 groups. Second, discount rates fall steadily with YOS rather than abruptly as assumed in the ACOL model. In the case of younger military cohorts, our results imply that changes in deferred compensation will have larger retention effects compared with what is presently predicted. Hence, the retirement system has a longer and stronger pull effect for personnel with fewer than 10 years of service than what is predicted using the present ACOL assumptions.

1.3 Organization of the Report

The remaining sections of this report discuss the background, data, methodology, and findings of SRA's discount rate analysis. The report is organized into the following sections, including two technical appendices:

- Discount Rate - introduction to the concept of personal discount rates, its relationship to present value calculations, and sources of personal variation.
- Data Source - description of the 1978-79 DoD Survey of Officers and Enlisted Personnel and the key questionaire item on which the analysis is based, and calculation of the implied real rates of return.
- Methodology - development of the statistical model, principal analysis steps, and hypotheses.
- Results - presentation of the empirical estimates and interpretation of the findings.
- Implications - discussion of how to use the results in the context of the ACOL model and the implied reperoussions for retention analysis.

II. PRESENT VALUE AND THE PERSONAL DISCOUNT RATE

A personal discount rate reflects an individual's preference for current over future income. This temporal preference is relevant for military compensation policy because it influences the effect of deferred compensation on short-run individual labor supply decisions. This section briefly discusses the concept of personal discount rates and relates it to the calculation of present values. The discussion then turns to the relationship between individual discount rates and imperfections in the capital market. The section concludes with a discussion of why discount rates are expected to vary by personal and financial characteristics.

2.1. Personal Discount Rates and Present Values

A rational person will always prefer $1.00 now versus $1.00 later. This is because current income can be used for (1) immediate consumption, yielding a "psychic" return in the form of increased satisfication or utility; and (2) investment, earning a return set by the market interest rate (i) so that $1.00 will be worth $1.00(1+i) in the next period.[1/]

In the absence of lending or borrowing constraints, an individual will allocate his income across current and future periods until the respective ratios of marginal utilities of consumption for each period are just equal to (1+i).[2/] In periods of relatively low income, an individual will tend to borrow against his future income, and save (or pay off loans) during periods of high income.

1/ In this and the following examples, we assume that interest is paid once each period (i.e., periodic compounding). If interest is earned on a continuous basis, then an exponential function would be appropriate.

2/ Appendix A derives this equlilibrium condition and highlights the role of the interest rate in the consumer allocation problem.

In this context, the rate of return that makes an individual indifferent between $1.00 now and $1.00(1+i) next period is the rate of personal time preference or subjective discount rate. The present value of future income must therefore account for the deferred consumption and investment opportunities during the intervening period. This implies that in a simple two-period case, the present value (PV) of $1.00 received next period is equal to:

$$PV = \frac{\$1.00}{(1+i)} \qquad (1)$$

For example, if the interest rate is 10 percent, then the present value of $1.00 in deferred income is $.91:

$$PV = \frac{\$1.00}{(1.1)} = \$.91.$$

An individual would be indifferent between receiving $.91 today and $1.00 next period.

The present value concept can easily accommodate situations in which income is paid in a more distant period. The important consideration in this case is that the cumulative or compounded effect of foregone consumption and returns on investment must be taken into account by the discounting procedure. In general, the present value of income received t periods in the future is determined by:

$$PV = \frac{\$1.00}{(1+i)^t} \qquad (2)$$

For example, at a prevailing interest rate of 10 percent, the present value of $1.00 paid 15 years from now would be $.24.

$$PV = \frac{\$1.00}{(1.1)^{15}} = \$.24.$$

When income (Y_t) varies over time and is received for T future periods, the present value of the income stream is found by the following:

$$PV = \sum_{t=1}^{T} \frac{Y_t}{(1+i)^t} \qquad (3)$$

In this case, the discounted value of each period's income is summed together. If interest rates were compounded continuously rather than once each period, then an exponential discounting procedure would be used according to:

$$PV = \sum_{t=1}^{T} Y_t e^{-it} \qquad (4)$$

The present values calculated by equations (3) and (4) are reasonably close, although the continuous rate yields smaller values. In this paper, the latter method is used because of its desirable mathematical properties and because it is conceptually more appealing. Note that in equation (4) income is received once each period, but the discounting term changes continuously.

The link between personal discount rates and present value calculations is clear from the above formulas. The example presented in Section 1 demonstrates the implications of alternative assumptions of the underlying discount rates for the present value. Present value calculations enable us to convert future payments into a form that is comparable to current pay. For a given retention coefficient with respect to current pay, we can then predict the effects on the Armed Forces of alternative levels of deferred compensation. In this analytical context, the discount rate plays a key role.

The foregoing suggests that individuals will discount the value of prospective income because of their preference for current over future income. The unobserved personal discount rate has an important effect on present values and, in turn, on predicted labor supply. This raises the important questions of (1) what is the underlying personal discount rate, and (2) how might it vary with individual characteristics? The results presented in this report are intended to answer these empirical questions.

2.2. Market Imperfections and Personal Discount Rates

Section 2.1 developed the idea that individuals borrow and save in order to adjust their temporal consumption pattern for a given stream of expected income. The amount and timing of these allocation decisions are dependent on individuals' time preferences, the utility derived from consumption, and the prevailing interest rate. Personal discount rates would converge toward the prevailing interest rate after individuals have borrowed and saved to optimize their consumption patterns. This implies that a single personal discount rate would be manifest as determined by the forces of supply and demand in the capital market.

Market imperfections, however, drive a wedge between desired and actual behavior. There are three types of imperfections that lead to variation in personal discount rates that differ by personal attributes:

- A single market interest rate does not exist. The interest rate for loans (borrowing rate) exceeds the rate of return earned on investments (lending rate). In addition, there are multiple borrowing and lending rates that vary by the financial instrument's risk, amount, maturity, and collateral.
- Access to consumer loans is limited. Some persons (e.g., young, low income) may be unable to obtain credit, regardless of need.
- Amount of borrowed funds is limited. Individuals may be unable to secure as much financing as they would be willing to borrow at current interest rates.

These real-world considerations imply that personal discount rates will exhibit substantial variation. This would occur because of the spread in existing interest rates and, more importantly, because many persons are not "at the margin." That is, institutional constraints result in disparities between individual time preferences and market interest rates. If loans were not limited with regard to access or amount, then we would expect discount rates to be bounded by lending and borrowing rates.

The equilibrating mechanism, however, is thwarted when there are constraints imposed on borrowing. In this instance, individuals may be unable to obtain loans to satisfy their consumption needs. Therefore, unobserved

discount rates will be higher than market borrowing rates for persons denied loans. This suggests that major sources of interpersonal variation in discount rates are the degree of access and the limitations to borrowing.

In general, we would expect that the ability to borrow is positively related to age, income, and net worth. Each conveys information to lending institutions concerning an individual's likelihood of repaying a loan. Such a probability depends on financial well-being and credit risk which institutions tend to link to these characteristics.

The extent to which personal discount rates exceed market borrowing rates would be determined by unobserved consumption needs. Because the latter are affected by family size, larger households should have higher discount rates than smaller units, other things equal. In addition, studies of individual lifetime earnings find that real income tends to rise steadily with age, peaks in the mid-forties, and then declines modestly. If consumption requirements for a given family size change less than income, then it is reasonable to predict higher discount rates for younger than older persons. Finally, access to the loan market may vary by education (a proxy for information gathering ability and an indicator of credit risk), and by ethnicity (a proxy for consumption preferences and an indicator of possible discrimination in the capital market).

In sum, personal discount rates reflect individuals' preferences for current versus future income. However, individuals' choices regarding their consumption, saving, and borrowing decisions are made within an institutional setting. In this context, a single discount rate is highly unlikely because of market imperfections and the distribution of personal and financial characteristics. Of particular interest for an analysis of personal discount rates is the set of observed individual choices in the existing institutional framework. Individual choices regarding alternative investment opportunities provide, by implication, information on underlying personal discount rates. While not directly observable, appropriate statistical techniques can be used to derive estimates of unobserved discount rates consistent with revealed preferences. The following sections discuss our efforts in this regard.

III. DATA SOURCE

The data base for the analysis is the 1978-79 DoD Survey of Officers and Enlisted Personnel. The DoD Survey is the only survey administered to personnel in all Services from which valid statistical inferences can be made with regard to the entire military population. This section is organized into five parts.

- Overview of the DoD Survey;
- Description of the survey question used to calculate rates of return;
- Discussion of how the rates are calculated;
- Link between the rates of return and personal discount rates;
- Assessment of the strengths and weaknesses of the data.

In brief, the data source for the analysis consists of information obtained directly from the survey as well as indirect information based on rates of return calculated from the survey questionaire.

3.1. Overview of the DoD Survey

The survey collected data from 57,540 persons who completed a mail questionnaire fielded during the first half of 1979.[3/] The DoD Survey data consists of two samples -- officers and enlisted personnel. Each sample was stratified to obtain a sufficient number of observations by:

- Service;
- Year of Service (for enlisted personnel);

[3/] The 57,540 completed questionnaires represents a completion rate of 62.2 percent; a response rate that exceeded the original sampling requirements by over 5 percent.

- Pay grade (for officers);
- Time remaining in enlistment contract (for enlistees with YOS less than 8 years);
- Sex, race (for enlisted personnel).

Two questionnaire forms were developed for each of the officer and enlisted samples in order to collect a wider range of information than possible with only one questionnaire form. The first set, Form 1 for enlisted and Form 3 for officers, focused on economic and labor supply issues. Forms 2 and 4 focused on the quality of military life. There is, however, considerable overlap between the two questionnaire variants in terms of the basic data collected. See Hutzler and Doering (1980) for description of the sample design and selection, and Doering et al. (1981) for the user's manual and codebook.

For the purpose of analyzing personal discount rates, only Forms 1 and 3 of the DoD Survey are relevant. This reduces the original survey by about one-half. The number of respondents are presented below by Military Service: 4/

TABLE 2
SAMPLE DISTRIBUTION BY SERVICE
(Forms 1 and 3)

Service	Enlisted	Officer
Army	5,062	2,005
Navy	6,508	2,822
Marine Corps	5,283	2,294
Air Force	4,712	2,511
DoD Total	21,565	9,632

4/ Note that because the DoD Survey is a stratified random sample, sampling weights must be applied to the sample observations in order to obtain valid military population estimates.

3.2 Preferences for Alternative Retirement Benefit Schedules

The DoD Survey (Forms 1 and 3) queried respondents about their preferences for alternative retirement benefit schedules. Individuals' choices of a specific payment schedule provide insight into their unobserved discount rates. The statistical analysis uses these responses to estimate the size and distribution of discount rates in the military population as a function of personal and military characteristics. The information contained in the survey questionnaire, however, cannot be used directly to infer discount rates. Preliminary calculations are required and Section 3.3 outlines the necessary procedures and assumptions.

The DoD Survey posed the following hypothetical situation to respondents (Q83, Form 1 for enlistees; Q74, Form 3 for officers):

> Suppose you retired with 20 years of service at an E-7 (enlisted) or O-5 (officer) pay grade and you had to choose the way in which your retirement benefits would be paid. Which of the following would you choose? The payments listed below would be the initial payment schedule; however, your future payments would be <u>adjusted for inflation and taxed</u> in the same way as the current retirement system.

There were six options from which to choose. The alternative retirement schedules for officers and enlisted personnel are presented in Table 3 along with their respective frequency distributions for each population group.

TABLE 3

ALTERNATIVE RETIREMENT BENEFIT PAYOUT SCHEDULES

Schedule	Officer		Enlisted	
	Amount	Frequency	Amount	Frequency
Lifetime Annuity	$12,630/yr	71.6%	$5,800/yr	57.9%
20 Year Annuity	14,200/yr	9.2%	6,600/yr	8.9%
10 Year Annuity	19,670/yr	2.8%	9,140/yr	6.3%
5 Year Annuity	31,890/yr	1.8%	14,810/yr	4.1%
2 Year Annuity	69,650/yr	1.1%	32,350/yr	2.6%
Lump Sum Payment at Retirement	120,870	13.5%	56,150	20.2%

The statistics in Table 3 indicate a strong preference for a lifetime retirement annuity. Both sets of responses exhibit a bimodal distribution. On the surface, it appears as though respondents tended to consider either a lifetime (or a 20-year) annuity or a lump sum payment at retirement. As discussed below, individual responses to the retirement options provide useful information about underlying discount rates.

3.3 Calculation of the Implied Rates of Return

The financial characteristics of each retirement benefit plan offered in the survey imply a <u>real</u> rate of return relative to the lump sum payment. Using the features of each payout schedule, Appendix B derives the implied rates of return. These calculations enable us to interpret a choice for a particular payout schedule as a preference for its real rate of return.

Derivation of the implied rates of return is performed by solving for the rates that equate the present value of each retirement annuity to the lump sum payment. Because future benefits are adjusted for inflation (we assume full adjustment), the derived rates are net of inflation. Therefore, changes in prevailing nominal market interest rates, which are affected by inflation, will not affect the calculated real rates of return.

A key assumption underlying the calculations concerns individuals' consideration of the tax system in choosing a retirement payout schedule. If respondents acted as though tax rates were proportional (i.e., tax rates did not increase with taxable income), then the tax system would have little effect on the derived rates of return. However, the federal income tax system is progressive. Hence, a greater proportion of the lump sum benefit would be taxed away than for the smaller retirement annuities. This raises the after-tax returns calculated for the smaller annuities.

Individuals are able to offset the progressivity of the tax system if they avail themselves of 10-year income averaging. By spreading a large surge of income over a number of years, individuals may remove most or all of the tax disadvantages associated with receiving a lump sum versus an annuitized retirement benefit. However, it is assumed that respondents did not consider income averaging when choosing among the payout options.

For the purpose of calculating the rates of return, we assume that survey respondents viewed the tax system as progressive. The specific tax rate assumptions represent average marginal tax rates -- the average rate applied against the additional retirement income. For example, the rate of return associated with the lifetime annuity vis-a-vis the lump sum amount is based on the following tax assumptions:[5/]

- Officers - Average marginal tax rate of 40 percent applied against the lifetime annuity, and 56 percent applied against the lump sum benefit.
- Enlisted - Average marginal tax rate of 19 percent applied against the lifetime annuity, and 42 percent applied against the lump sum benefit.

With regard to the other, larger annuity plans, we assume higher tax rates than for the lifetime annuity. The calculations yield real rates of return for each retirement benefit schedule that are summarized in Table 4. The rates of return are approximately the same for the lifetime and 20-year annuity plans. The calculated rates are higher for the shorter-term annuities. The lump sum payment does not have an associated rate of return because it is received at the date of retirement.

5/ In the case of a lifetime annuity, it is assumed that an individual will work for an additional 25 years after leaving the military, and then retire and receive untaxed benefits for another 20 years.

TABLE 4

CALCULATED REAL RATES OF RETURN TO
ALTERNATIVE RETIREMENT PAYOUT PLANS [6/]
(Relative to the lump sum payment)

Schedule	Officer	Enlisted
Lifetime Annuity	13.4%	13.4%
20 Year Annuity	13.9	14.4
10 Year Annuity	15.4	16.8
5 Year Annuity	17.3	20.3
2 Year Annuity	15.9	20.2

The tax rate assumptions are quite important. If proportional tax rates were assumed (regardless of the tax rate), the derived rates of return would be 9.53 percent for all payout options and for both samples.

3.4 Link Between Rates of Return and Personal Discount Rates

The calculated rates of return associated with the retirement payout options provide essential information for the estimation of personal discount rates. As noted earlier, personal discount rates are not directly observable. Rather they must be inferred from individual behavior or decisions regarding

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[6/] The rates reflect continuous compounding. Higher rates would have been calculated if it were assumed that interest was earned periodically (e.g., once a year). Tax rate assumptions are based on the 1978 IRS Federal Income Tax Forms. Respondents were either preparing to or had just finished paying their 1978 taxes.

alternative investments. The six payout options in the DoD Survey presented respondents with a hypothetical investment problem. Therefore, individual choices can be interpreted as revealed preferences for a specific rate of return.

An individual's preference is theoretically governed by a comparison between his discount rate and the rates of return offered by each of the retirement benefit plans. For example, if an individual chooses a lump sum payment, then by inference his discount rate would exceed the rate of return associated with the other alternatives. Such a choice would imply that either the marginal utility of using the lump sum for consumption, or the expected rate of return from investing the cash, is greater than the perceived return offered by the deferred benefit options. Because the rates of return constitute investment thresholds, the statistical analysis can use the survey data to predict what factors influence individual choices through their indirect effect on unobserved personal discount rates.

3.5 Strengths and Weaknesses of the DoD Survey

The DoD Survey is an attractive data base that can support a wide range of empirical analysis. Its general strengths derive from its:

- Large number of sample observations: over 9,000 officers and 20,000 enlisted personnel in the analysis sample;
- Representativeness of the military population;
- Timeliness (fielded in 1979);
- Detailed data on personal characteristics, finances, and military experiences.

A specific advantage of the survey is that it permits estimation of personal discount rates through an analysis of individual preferences for alternative retirement benefit schedules. This context is particularly germane because it focuses on an issue of direct relevance to evaluating

potential changes in the retirement system. Further, the retirement options deal with large dollar amounts. To the extent that discount rates are affected by an individual's income and asset position, this context becomes even more relevant for retirement analysis.

Possible weaknesses of the DoD Survey stem from two sources. First, the analysis is based on individual preferences in a hypothetical situation rather than on actual behavior. Individuals may assess alternative investment opportunities with less scrutiny in the former than in the latter case. If so, then our estimates may be in error. Second, assumptions are required concerning the manner in which respondents treat the tax system in making their choices among the benefit plans.

The importance of these inherent shortcomings is difficult to evaluate. However, there are counter-arguments that offset the above weaknesses. First, the estimated discount rates, presented in Sections 5 and 6, are corroborated by estimates from other studies using different data bases and different methodologies. Second, the way in which military personnel perceive their future retirement benefits may closely resemble the way in which respondents evaluated the alternative payout schedules in the survey.[1/]

1/ This does not vitiate efforts to calculate rates of return and present values using precise assumptions in analyzing discount rates and labor supply. This mathematical approach is based on the premise that individuals act "as though" they had made such calculations.

IV. STATISTICAL METHODOLOGY

In this section a model is developed to exert some statistical leverage on the responses to the retirement payout question. The unifying framework and specified relationships imbedded in the model enable us to draw statistical inferences from the individual preferences revealed in the survey data.

The specific focus of the analysis is the choice between a lifetime annuity and all other options, including the lump sum payment. This reduces the statistical problem to one of predicting the occurrence of two possible outcomes. A binary outcome simplifies the analysis and is amenable to statistical techniques designed for estimating probabilities. Unreported experiments were conducted using alternative binary splits (e.g., combining the lifetime and 20-year annuities) but the results supported the initial split.[8/]

The model consists of two related parts:

- Probability model - likelihood of choosing a lifetime annuity is related to an individual's unobserved discount rate relative to the annuity's 13.4 percent rate of return.
- Personal discount rate function - unobserved discount rates are a function of observable personal characteristics.

The probability model incorporates the discount rate function as a substitute for the unobserved rate. The section then discusses the estimation techniques and concludes with an overview of the hypotheses of what factors influence interpersonal variation in discount rates.

8/ In light of the bimodal distribution, we doubt whether a multiple probability model (e.g., multinominal logit) would generate results that differed substantially from those reported here. Nevertheless, we recommend that future analysis consider such a line of inquiry to test this assumption.

4.1 Probability Model

The model is cast as the probability of selecting a lifetime annuity versus all other benefit alternatives. The choice is based theoretically on an individual's comparison between his discount rate and the threshold rate of return of 13.4 percent. The probability of an individual selecting a lifetime retirement annuity can be specified as the probability (P_i) that his unobserved discount rate (r_i) is less than or equal to 13.4 percent:

$$P_i \text{ (selecting lifetime annuity)} = P_i \ (r_i \leq - .134) \qquad (6)$$

The greater the likelihood of observing an individual's preference for a lifetime annuity, the smaller is the unobserved discount rate in relation to 13.4 percent.

An individual's retirement plan choice does not identify a unique discount rate. Rather, it indicates whether an individual's discount rate is above or below or equal to 13.4 percent. In this sense, the calculated rate of return serves as an investment threshold that guides individual decision-making. This approach provides an analytical structure to the statistical problem. However, the combination of (1) revealed preferences for a specific payout option, and (2) the calculated rate of return of 13.4 percent yields crucial information that can be exploited by the model.

Individual choices between the lifetime and other retirement plans are thus equivalent to hypothetical investment decisions based on the following criteria:

- Choose the lifetime annuity if the real personal discount rate is equal to or less than 13.4 percent.
- Choose one of the other payout options if the personal discount rate exceeds 13.4 percent.

4.2 Discount Rate Function

An individual's real discount rate is assumed to be a linear function of personal factors that capture the effect of (1) institutional borrowing constraints, and (2) rates of time preference. In practice, we cannot distinguish between the two because personal discount rates reflect the interaction of personal preferences and market circumstances. The unobserved discount rate is specified according to:

$$r_i = X_i B \qquad (7)$$

where B is a vector of coefficients, and X_i is a vector of personal characteristics. 9/

Section 4.4 describes the variables contained in the X_i vector and discusses their hypothesized effects on personal discount rates. The importance of equation (7) is that it enables us to substitute an observed relationship, $X_i B$, in place of the unobserved r_i. This results in the following probability expression:

$$P_i \text{ (selecting lifetime annuity)} = P(X_i B - .134 \leq 0). \qquad (8)$$

The higher the probability of choosing the lifetime annuity, the smaller is the difference, $X_i B - .134$.

4.3 Estimation Techniques

The above probability expression, P(·), is a cumulative distribution function that describes how individual probabilities are related to the

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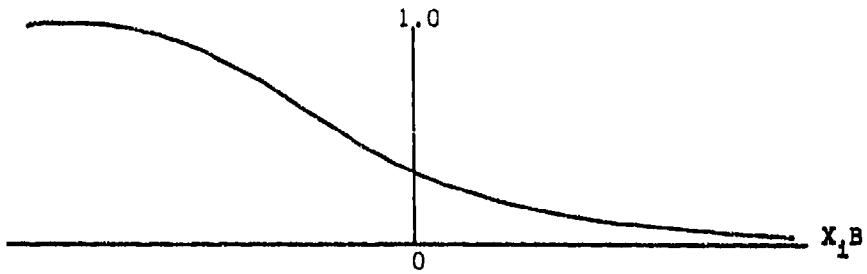
9/ It would be reasonable to expect discount rates to be randomly distributed according to some stochastic term. However, the logistic model used in the estimation requires a deterministic relationship between r_i and $X_i B$. Including individual error terms would result in an intractable estimation problem (see Hanushek and Johnson, p. 197 fn 22).

exogenous variables. Because the probability of choosing the lifetime annuity must fall within tne 0 to 1 range, there is good reason to believe that P is nonlinear. In particular, it is likely to exhibit an S-shaped curve, implying that the effect of an exogenous variable on the probability will become increasingly smaller at extreme values of P_i. [10/]

In order to estimate the parameters of the model, a specific functional form must be specified for "P". Two of the most widely used distribution functions are the probit and logistic distributions. Both are very similar, differing primarily in the rate at which they approach the limiting values of 0 and 1. We employ the logistic function which relates the probability to the exogenous factors according to equation (9):

$$P_i \text{ (selecting lifetime annuity)} = \frac{1}{1 + e^{-(X_i B - .134)}}$$

The logistic distribution describes the following S-shaped curve:



The logistic distribution ranges from 0 to 1 as $X_i B$ goes from $+\infty$ to $-\infty$. While the probabilities are bounded, $X_i B$ is not. As specified, an individual's unobserved discount rate is assumed to be measured by $X_i B$. Although the discount rate is a linear function of the exogenous variables according to $X_i B$, the probabilities are nonlinearly related.

[10/] This is reflected by taking the partial derivative of P with respect to one of the exogenous variables. In brief, the partial effect is dependent on the values of all of the other exogenous variables which determine at which P value the partial derivative is being evaluated.

The parameters (B) of the logistic model are estimated by applying maximum-likelihood methods to equation (9). The logic behind this procedure is to estimate the unknown parameters of the probability function that maximize the likelihood of observing the actual pattern of selecting or not selecting a lifetime annuity. The maximum-likelihood estimators are consistent and asymptotically efficient. [11/]

From equations (8) and (9) it would seem that the maximum-likelihood results could be used directly to calculate estimated individual discount rates. However, this cannot be done in such a straightforward manner. The reason is that maximum-likelihood procedure operates on a standardized logistic function. All coefficients are standardized or implicitly weighted by $\pi/\sigma\sqrt{3}$. Although we can multiply each coefficient by $\sigma\sqrt{3}/\pi$, the underlying standard deviation (σ) is unknown. Ascertaining the value of is crucial to estimating the implied discount rates.

Fortunately, the standard deviation can be estimated in a <u>bivariate</u> logistic model. Johnson and Kotz (1970) show that in such a case:

$$\hat{\sigma} = \hat{B} (\pi/\sqrt{3}). \qquad (10)$$

Therefore, we estimated a constrained probability model as a function of YOS and a constant term. The derived estimates of the standard deviation are:

	σ
Officer	.0606
Enlisted	.0746

11/ The model is estimated with the LOGIST procedure available in the Statistical Analysis System (SAS) software package.

These estimates provide the missing link and enable us to obtain "unstandardized" estimates of the B coefficients.[12/] The estimated standard deviations imply that discount rates are more widely dispersed for enlisted personnel than officers. The estimated coefficients presented in Section 5 have been weighted by the above factors. As a result, the results pertain to estimated individual discount rates.

4.4 Sources of Personal Discount Rate Variation: Hypotheses

Several personal and military-related factors may be related to real personal discount rates. The variables, denoted by the above X vector were collected by the DoD Survey. Their hypothesized relationships to personal discount rates are highlighted below.

- o <u>Access to Capital Markets and Preferences for Current Over Future Income</u>

  -- Demographic: sex, race
  -- Income versus needs: military pay, family size
  -- General knowledge: educational attainment
  -- Military experience: branch of service, occupation, YOS

Access to loans may be limited for women and minorities. This would suggest that these groups would have higher real discount rates. A similar case can be made for persons who are relatively younger, less educated, and have lower incomes. Individuals with larger families for a given income are also believed to have higher discount rates. Education serves as a proxy for general knowledge of borrowing and investment opportunities as well as a

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[12/] The $\hat{\sigma}$ are not exact measures because they cannot be estimated in a multivariate logit model. Gilman (1976) conducted a similar analysis using a probit model. Although he was unable to estimate directly, he set = .06 on the basis of sensitivity tests and other criteria regarding the probable distribution of discount rates in the population.

possible screener used by lending institutions. Finally, discount rates may vary by Service and occupation possibly because of the type of personnel attracted by each.

- o Revealed Discount Rates

  -- Financial Assets
  -- Nonmortgage debts
  -- Home ownership
  -- Remaining years of planned military service

Individuals with substantial liquid assets are more likely to have discount rates (at the margin) that are below market interest rates earned on investments which historically have provided a real return of less than 13.4 percent. In contrast, the presence of nonmortgage debts suggests a discount rate above the prevailing rate charged on loans. Furthermore, financial assets represent potential consumption while debt obligations represent the opposite. Both may affect a lending institution's willingness to loan money. The predicted effect of home ownership is ambiguous. On the one hand it may reflect a forward-looking perspective and a preference for investment. On the other hand, a home mortgage may place an added burden on current income and affect the amount of borrowing that is possible.

An individual's remaining years of planned service is predicted to be negatively related to his discount rate. First, the current retirement system will tend to encourage longer careers for persons with lower discount rates. The lower the personal discount rate, the larger is the perceived present value of retirement benefits; hence a stronger pull effect as manifested in longer expected career lengths. Second, remaining years of planned service may reflect an individual's planning horizon. Those who take each year, one at a time, may have higher discount rates and shorter time horizons than persons who are less myopic. A significant relationship between expected career lengths and personal discount rates would imply that more career-oriented military personnel are more strongly influenced by deferred compensation than those with shorter planned careers.

- o <u>Knowledge of the Current Retirement System</u>

  -- Response to DoD Survey question concerning the percent of basic pay on which the current military retirement benefit is calculated for retirement at 26 years of service. (correct answer is 65 percent).

This variable is intended to control for two possible effects. First, an incorrect answer may reflect a cavalier attitude on the part of the survey respondent. If so, his evaluation of the alternative payout schedules may have been perfunctory and manifested in an almost reflexive choice for a lump sum payment. Second, those who are attracted to the current retirement system are more likely to understand its benefit formulas. Such an association should be reflected in a preference for the lifetime annuity option as offered under the current system.

Among the surveyed officers, the responses were, on average, 4.1 percentage points above or below the correct answer of 65 percent (the standard deviation of the error was 7.1 percentage points). Among the surveyed enlisted personnel, the responses were, on average, 7.7 percentage points above or below the correct answer (the standard deviation was 9.3 percentage points).

V. SOURCES OF DISCOUNT RATE VARIATION

This section discusses the factors that explain the variation in real personal discount rates. The findings are based on the statistical estimates of the parameters in the probability model developed in Section 4. The data base is the DoD Survey and the calculated threshold rate of return described in Section 3. Five sources of discount rate variation are discussed below:

- Demographic;
- Financial;
- Education and Skills;
- Military experience;
- Knowledge of present retirement system.

The section concludes by estimating the size and distribution of real personal discount rates in the military population.

5.1 Introduction

The logistic model is estimated separately for officers and enlisted personnel. The two groups represent distinctly different populations so that separate analysis is warranted. The results provide a number of interesting insights into the correlates of personal discount rates. In general, the findings confirm the hypotheses set forth in Section 4.

The estimated coefficients also enable us to impute discount rates to each member of the officer and enlisted samples according to his particular set of personal characteristics. By weighting the survey observations by their respective sampling weights, we can then obtain the size and distribution of underlying discount rates for the military population. Section 5.3 pursues this line of inquiry in detail.

Overall, the analysis yields the following discount rate estimates for the officer and enlisted military populations:

Quartile	Officers	Enlisted Personnel
(Max)	15.47%	19.83%
75%	11.11	13.33
50%	10.18	12.23
25%	9.64	10.96
(Min)	6.63	7.44
Mean Value	10.32%	12.53%

The distribution of discount rates among officers lies below that of enlisted personnel and exhibits less dispersion. For officers, 90 percent of the population have estimated discount rates between 8.51 and 12.38 percent. For enlisted personnel, 90 percent have estimated discount rates between 9.79 and 15.03 percent. In general, officers have lower discount rates than enlisted personnel, although the two distributions overlap considerably.

5.2 Estimated Sources of Discount Rate Variation

The military population exhibits substantial variation in estimated personal discount rates. Below we isolate key factors that explain this variation. The discussion is based on results from the logistic model estimated on samples of 9313 officers and 20,186 enlisted personnel. With a few important exceptions, cases with missing data values were omitted from the analysis.[12/]

[12/] For a few variables, 5 to 10 percent of both samples had missing data: (1) components of military pay and (2) respondents' estimate of the ratio of retirement pay to basic pay. In the latter case, we imputed the sample mean for missing values. In the case of missing military pay components, separate regressions were run to impute base pay and base allowances for quarters; Service means were used to impute special pays, and the sample means were used to impute the basic allowance for subsistence. In addition, missing data on home ownership among the enlisted sample were considered renters. According to Kmenta (1979), the imputation of mean values in place of missing data will not affect the coefficient on the variable in question. The major benefit to this strategy is that we preserve the sample sizes which become critical when we derive population estimates of the underlying personal discount rates.

The estimated coefficients are presented in Table 5. Each estimated coefficient measures the marginal effect of its variable on the discount rate, while holding constant the influence of other factors in the model. The degree to which a coefficient is statistically different from zero is denoted by its associated (asymptotic) t-ratio. Instances of statistical significance are marked by asterisks.

Demographic - Several demographic attributes are found to be significantly related to discount rates after controlling for the influence of educational, financial, and military factors. Black and hispanic officers, and black enlistees, appear to have discount rates that are about 1.25 percentage points higher than otherwise similar whites. Female enlisted personnel, contrary to our expectations, have discount rates that are .5 percentage points lower, on average, than male enlistees. There appear to be no male-female differences among officers, ceteris paribus. After several attempts to discern the influence of alternative measures of family composition, the data reveal that divorced, separated, and widowed individuals have higher discount rates than single and married persons. The estimated coefficients are consistent with the notion that individuals who are more likely to be confronted with market constraints or face greater demands for current spending tend to have higher discount rates.

Financial - The possession of liquid assets, in contrast with the negligible influence of home ownership, is significantly related to discount rates. Liquid assets ($\geq$ \$500 for officers; > \$0 for enlistees) reflect a willingness to save at prevailing market rates, indicating a lower discount rate.[13/] The relationship is more pronounced for enlisted personnel (1.4 percentage points lower) than for officers (.5 points lower).

13/ Few officers are without liquid assets, while one-third of enlistees have zero assets. Furthermore, the positive effect for enlistees is roughly equal across most of the asset categories defined by the data. For officers, there is little distinction over the \$0 to \$499 range, probably because low savings balances are used for transactions rather than investment purposes.

TABLE 5

CORRELATES OF PERSONAL DISCOUNT RATES:
ADJUSTED LOGIT COEFFICIENTS[a]
(asymptotic t ratios in parentheses)

VARIABLE	OFFICERS	ENLISTED
Constant Term[b]	.1254(2.26)**	.1552(7.48)***
Demographic		
Female	.0015(.63)	-.0059(3.03)***
Black	.0137(3.56)***	.0126(8.04)***
Hispanic	.0123(1.81)*	.0046(1.63)
Separated/Divorced	.0130(3.93)***	.0104(5.02)***
Financial		
Homeowner	.0006(.41)	.0004(.23)
Liquid Assets	-.0051(2.29)**	-.0136(7.89)***
Nonmortgage Debts	.0026(1.51)	-.0024(1.76)*
Military Pay/Family Size ($000s)	-.0003(1.89)*	.0000(.07)
Education/Skills		
Technical Military Occupation	-	-.0063(4.96)***
Less Than High School Degree	-	.0094(2.82)***
GED	-	.0058(2.83)***
Some College	.0042(1.19)	.0029(2.13)**
BA Degree	(omitted group)	.0002(.07)
Graduate Degree	.0020(1.13)	-
Military Experience		
Navy	-.0033(1.45)	-.0079(4.73)***
Marine Corps	.0052(2.18)**	-.0081(4.62)***
Air Force	.0030(1.30)	-.0042(2.31)**
Years of Current Service (YOS)	-.0013(9.94)***	-.0014(11.83)***
Planned Career Length - YOS	-.0010(7.51)***	-.0013(11.90)***
Knowledge of Present Retirement System		
(Absolute Value of Estimated Retirement Benefit as % of Basic Pay - 65%)	.0003(2.38)**	.0004(6.00)***

[a] The normalized coefficients estimated from the logit model were adjusted by $\hat{\sigma}\sqrt{3}/\pi$, where $\hat{\sigma}$ = .0606 for officers and σ = .0746 for enlisted personnel

[b] The constant term includes the threshold rate of return implied by the DoD Survey which is 13.4%.

* Significant at the 10% level; two-tailed test

** Significant at the 5% level; two-tailed test

*** Significant at the 1% level; two-tailed test

Nonmortgage debts of at least $500 are statistically unrelated to officer discount rates. However, they have a small negative association with enlisted discount rates. This finding is unexpected because the presence of debts suggests higher discount rates compared with those without loans. One explanation is that indebted enlisted personnel also have financial assets. Unreported regressions show this to be true. Persons with liquid assets, with or without debts, are estimated to have lower discount rates. However, those with only debts continue to have lower discount rates than persons without any debts or assets. The latter finding may reflect the fact that enlisted personnel may typically encounter problems in getting loans. If so, successful borrowers may actually have lower discount rates than those unable to obtain financing. To the extent that this phenomenon describes the enlisted population, we would expect a negative association between debts and discount rates relative to those without assets or debts.

An important theoretical determinant of discount rates is income, particularly in conjunction with an individual's consumption needs. The two measures are combined into an income per capita measure, defined as military compensation (in $1000's) divided by family size. Presumably, an individual's relative time preference is greatest for low values of the ratio and smallest when income is high and family size is small.[14/] The data corroborate this effect for officers but not for enlisted personnel. However, an extra $10,000 in per capita pay is associated with only a .3 percentage point reduction in discount rates. A reason for this small quantitative relationship is that military pay and YOS (as well as expected career length) are highly correlated. Statistically, this high collinearity tends to "rob" explanatory power from one or both of the variables -- in this instance, the per capita pay variable. Without YOS and expected career length, military pay/family size has a very strong negative relationship with discount rates.

14/ Efforts to split the ratio into separate income and family size variables were less successful statistically and less appealing conceptually.

Education And Skills - Educational attainment and occupational skill levels may be positively related to forward planning and a willingness to prepare or invest for the future. If so, we would expect academic and occupational skill measures to be negatively correlated with discount rates. Among officers, this hypothesis has little empirical support. Along these personal dimensions, officers appear to be relatively homogeneous. Neither the level of schooling nor occupation speciality (DoD categories) had a significant relationship with discount rates.

Enlisted discount rates, on the other hand, display a systematic pattern that declines with educational attainment and occupational skill. In particular, those in technical specialties have discount rates that are about .6 percentage points lower than otherwise similar personnel in nontechnical occupations. There were only minor and insignificant differences across technical occupations, which led to their consolidation into one general group of technical specialties. 15/ Given the heterogeneity of the enlisted force, this simple occupational variable seems to provide a useful way to categorize the population in terms of discount rates.

Educational attainment among enlisted personnel provides us with another discriminating variable. Two phenomena seem to be operative. First, accomplishment in the form of earning a high school diploma or a B.A. degree seems to be an important factor. Those who do not attain their educational goals, regardless of level, have higher estimated discount rates. Second, the magnitude of the effect diminishes with years of schooling -- from a discount rate .9 percentage points higher among high school drop-outs, to .6 points

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15/ Technical occupations are based on DoD categories including electronic equipment repairmen, communications and intelligence specialities, functional support and administration, electrical and mechanical equipment repairmen, craftsmen, and medical and dental specialists.

higher for those with GEDs, to .3 points higher for those with some college courses but not a degree. This pattern is consistent with the notion that accomplishing long-term educational goals is indicative of a longer-term perspective and a human capital investment orientation, which appear to be linked to personal discount rates.

Military Experience - The analysis examines whether or not discount rates vary systematically by Service. The four Services may attract different kinds of people and there may be differences in military experience that influence discount rates which are not captured by the other explanatory variables. Among officers, those in the Marine Corps are estimated to have discount rates that are, on average, .5 percentage points higher than for those in the Army (the reference group in the model). Among enlistees, personnel in the Army have discount rates that are .8 percentage points higher than those in the Navy or Marine Corps, and .4 points higher than those in the Air Force -- holding constant other individual characteristics.

Of particular interest to policy evaluation of alternative retirement systems is the relationship between years of service (YOS) and personal discount rates. The estimates reveal that discount rates decline as YOS increases, a trend that is approximately the same for both officers and enlisted personnel. Discount rates fall by .1 percentage point for every additional year of service.

This relationship is consistent with two interpretations. First, theory suggests that discount rates are negatively related to age, which is highly correlated with YOS. Second, a phenomenon of progressive selectivity may be taking place. That is, individuals who tend to remain in the military are more likely to be those for whom the retirement system is a positive inducement. The strength of the effect of retirement benefit on retention, in turn, would depend on underlying discount rates because the latter determines the present value of future perceived benefits.

The degree of association between YOS and discount rates is estimated while holding constant the influence of the remaining years of expected service. The latter variable is defined as total years of planned military

service minus current years of service (YPS - YOS). The analysis finds that for a given YOS, the greater is the number of remaining years of planned service, the lower is an individual's discount rate. The estimated magnitude of this relationship is about the same as for YOS by itself.[16/]

This result suggests that if retirement benefits were reduced, negative retention effects would be greatest for those with the largest number of remaining years of planned service, ceteris paribus. The link between discount rates and (YPS - YOS) is consistent with the notion that personnel with lower discount rates are more attracted by future benefits than persons with higher rates. Thus, the retention effects of the retirement system, as manifested by expected career lengths, are closely tied to personal discount rates.

Knowledge of Present Retirement System - It is possible that respondents to the DoD Survey did not fully understand, or carefully consider, the question about alternative retirement payment schedules. We attempt to control for the occurrence of this unknown possibility by including a measure

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16/ Given the correlation between YOS and YPS, the partial effect of an increase in YOS on discount rates(r) is (for officers):

$$\frac{\partial r}{\partial YOS} = -.0013 + \left(\frac{\partial YPS}{\partial YOS} - 1 \right) .001.$$

Therefore, if an increase in YOS by one year does not also raise YPS, then the net impact of a change in YOS on r is almost zero. This would be true for a predetermined career length, in which case an individual's discount rate would remain fixed over time. However, in a separate regression analysis, we find that $\frac{\partial YPS}{\partial YOS} = 1$ so that, in general, $\frac{\partial r}{\partial YOS} = -.0013$.

of an individual's knowledge of the current retirement system. Respondents were asked to give the percentage of basic pay that determined one's benefit upon retiring at 26 years of service (correct answer is 65 percent). The absolute value of the difference between an individual's answer and 65 was included in the logistic model. The estimated coefficient suggests that discount rates tend to be higher for those who are less well informed. The result is subject to two interpretations.

First, casual attitudes toward the survey may be associated with incorrect responses about the current retirement system and also with higher discount rates, possibly in the form of an almost reflexive choice of a lump sum versus lifetime retirement annuity.

Second, persons attracted to the current retirement system are more likely to know the features of the system. This is consistent with the notion discussed earlier that low discount rates are correlated with individuals' attraction to the retirement system.

5.3 Distribution of Discount Rates in the Military Population

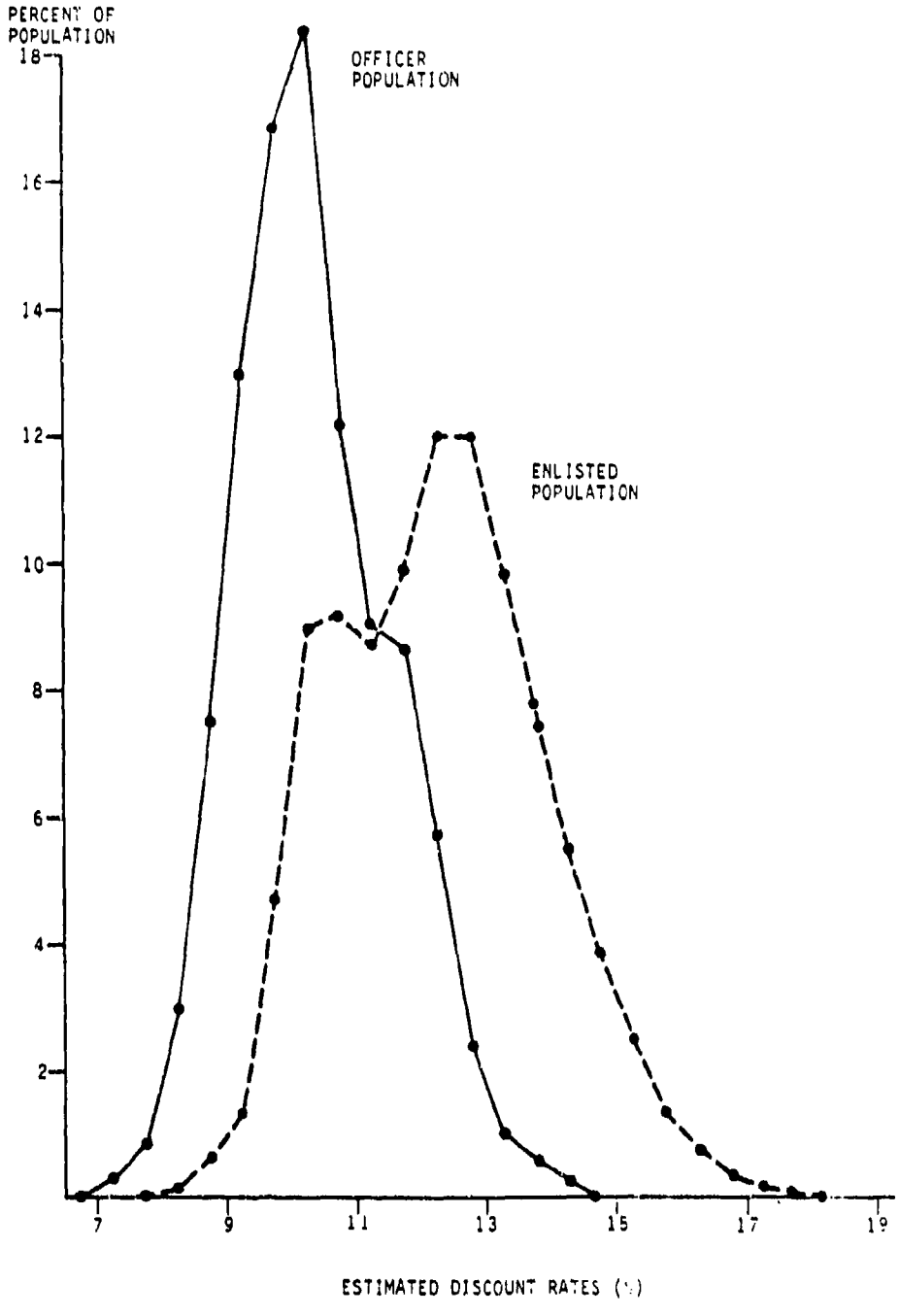
The estimated coefficients presented in Section 5.2 are used to calculate discount rates for each member in the DoD sample. Imputed individual discount rates are calculated as the weighted sum of each person's characteristics (i.e., those variables included in the model multiplied by their respective coefficients), plus the constant term. Personal discount rate estimates for the entire military population are obtained by applying the sampling weights to each sample observation.

The distributions of estimated discount rates for the officer and enlisted populations are depicted in Figure 1. Several conclusions may be drawn from the population distributions:

- Enlisted personnel have higher discount rates than officers, on average. The respective mean values are 12.5 and 10.3 percent.
- The distribution of estimated personal discount rates is more tightly clustered for officers than enlisted personnel.

FIGURE 1

DISTRIBUTION OF ESTIMATED DISCOUNT RATES IN THE MILITARY POPULATION



	Mean	90% Interval
Officer	10.3%	8.5% to 12.4%
Enlisted	12.5%	9.8% to 15.0%

APP-I -- Atch 3

- The two distributions overlap substantially. However, officers and enlisted personnel with similar discount rates will tend to have quite different individual characteristics.

The size and distribution of the estimated discount rates are based on a wide foundation of individual characteristics. Moreover, the systematic variation in discount rates makes sense in that it generally confirms our theoretical expectations. In addition, the results are consistent with the evidence produced by other studies that estimated real discount rates using different samples and different methodologies.

A study by Cylke, Goldberg, Hogan, and Mairs (1982) estimated real discount rates of 15 to 18.5 percent. Their sample consisted of Navy enlisted personnel, 3 to 6 years of service, who were reaching their first-term reenlistment decision. Cylke et al. examine the relative effect on reenlistment rates of a lump sum bonus versus a four-year installment bonus. The estimates were based on three annual time observations for 87 selected occupational groups.[17/]

Gilman (1976) estimated real personal discount rates. His analysis sample comprised individuals in four nonprofit institutions who were observed either to participate or not participate in a retirement plan through their employers. Gilman found that discount rates were lower for males and whites and that they declined with age, income, and educational attainment. Real discount rates for white males were estimated to range from 13 to 18 percent

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17/ This estimated discount rate should be interpreted with caution. It is specific to a narrowly defined military group. More important, the key coefficient on which their discount rate calculations are based is not statistically significant (t ratio = 1.23) according to conventional standards. Aside from the intercept term and the installment bonus variable, no other variables in their regression equation were significantly different from zero.

for 20- to 24-year olds ($10,000 income); 9 to 14 percent for 30 year olds ($10,000 income); and 5.6 to 10 percent for 40-year olds ($15,000 income). Gilman did not use his results to estimate the size and distribution of discount rates among the nonprofit institutional population.[18/]

There have been several surveys of military personnel that queried respondents about their preferences for a current lump sum payment versus installment payments or a larger sum available sometime in the future. The 1971 Survey of Military Personnel found that discount rates averaged about 10 percent for officers, with a range of 7.4 to 14.5 percent. Among enlisted personnel, discount rates averaged about 12 percent with a range of 8.2 to 17.5 percent. The 1962 Survey of Enlisted Men (excluding outliers) found that discount rates were between 8.5 and 19 percent, and for those with 3 to 4 years of service, the rates were in the 8.5 to 11 percent range.

The real discount rates estimated in this report are in rough accord with the earlier findings. Given the underlying dispersion, the respective distributions at any YOS overlap considerably across the studies. In general, our estimates are closest to those found in previous DoD surveys. With regard to the Gilman and Cylke et al. findings, our average estimated discount rates tend to be somewhat lower for younger persons.

The distribution of discount rates estimated from our analysis exhibits less dispersion than what exists for unobserved discount rates. This is due to omitted variables in the model and the absence of a stochastic term in the imputations. Variation in the imputed values is constrained by the

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18/ Because the non-profit institutional population differs from the military population, these results cannot be extrapolated to the latter.

19/ These statistics are reported in Gilman (1976), Table 1. From the statistics, we cannot tell whether or not the discount rates are net of inflation.

estimated coefficients and by variation in personal characteristics included in the statistical model. Hence, our imputations display a common pattern known as "regression to the mean". This phenomenon is not a problem for the ACOL model. On the contrary, ACOL requires average values that differ across a limited number of military subgroups.

The underlying range of unobserved discount rates could be approximated. This calculation would use (1) the mean estimated discount rate, and (2) the estimated standard deviation reported in Section 4. Assuming a normal distribution, we know that a 90 percent confidence interval can be constructed according to:

$$90\% \text{ Interval} = \text{Mean} \pm 2 \text{ (standard deviation)}.$$

Applying this formula yields the following range of unobserved discount rates in which 90 percent of the two populations lie:

- Officer: 0% to 22.42%
- Enlisted: 0% to 27.42%

The expanded range of unobserved discount rates reflects the joint effect of variation in observed personal characteristics, variables not included in the model, and a random element. The distribution of estimated discount rates presented in Figure 1 and Table 4, however, do not reflect the influence of omitted variables and random terms. In a sense, the inherent randomness in the population tends to be offsetting. For models such as ACOL, the resulting central tendencies are exactly what is required for analyses of alternative compensation systems.

VI. IMPLICATIONS FOR THE ACOL MODEL

A key parameter in the ACOL model is the assumed discount rate used to calculate annualized present values of deferred compensation. Despite the recognized importance of the discount rate in ACOL, there is little empirical evidence of the most appropriate value to use. Furthermore, previous studies of personal discount rates are of limited value because they focused on either a small subset of the military population (Clyke et al, 1982) or a civilian-based sample (Gilman, 1976). The following discusses how the analysis findings can be used to supply the information requirements of the ACOL model.

6.1 Implications for the ACOL Model

Section 5 produced estimates of the size and distribution of discount rates among individuals in the military population. While revealing, these results cannot be used directly by the ACOL Model. This is because the ACOL model operates on groups of military personnel rather than on individual observations. For example, the current version of ACOL is designed for 120 enlisted groups: 30 annual YOS categories for each of the 4 Services. Within each group, individual variation is suppressed; group means are used in the ACOL model.

To apply the discount rate estimates to the ACOL model, we must first create a group-based data set from the DoD Survey. This is done by defining relevant military groups consistent with the ACOL data base. Subsequently, average discount rates are calculated for each group. This is done for the following:

- 104 Officer Groups: 4 Services x 26 annual YOS categories (years of service beyond 25 are combined).

- 208 Enlisted Groups: 4 Services x 26 annual YOS categories x 2 occupational categories (technical and nontechnical specialities; see fn. 15).

Additional or different kinds of groups could be created from the DoD Survey. The individual-based data permits great flexibility in this regard. For example, an expanded breakdown of occupational specialities could be used to define new military groups. The principal limitation to this strategy is imposed by the size of the DoD sample.

After constructing a group-based data file, mean discount rates are calculated for each group. Intergroup differences in the average discount rates arise from two sources: (1) cross-group variation due to the effects of Service, YOS, and occupational status, and (2) cross-group variation in suppressed personal characteristics that are related to discount rates (e.g., education, race, sex, liquid assets, family status). Because personal attributes may be correlated with group characteristics, it is possible that discount rates may now exhibit greater variation by Service and YOS than in the individual-based analysis that controlled for personal factors.

Average real discount rates for each of the 104 officer and 208 enlisted groups are contained in Tables 6 through 8 along with their respective standard deviations: 20/

- Table 6 - Officer discount rates by Service and YOS.
- Table 7 - Enlisted discount rates by Service and YOS (technical occupations).
- Table 8 - Enlisted discount rates by Service and YOS (nontechnical occupations).

20/ A group's standard deviation measures the within-group variation in discount rates among individuals composing the group.

TABLE 6

DISCOUNT RATES BY YEAR OF SERVICE, OFFICERS
(Group Means and Standard Deviations)

YOS	Army		Navy		Marine Corps		Air Force	
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1	11.647	1.035	11.080	0.908	11.718	1.083	11.198	0.79
2	11.645	1.047	11.217	0.972	11.871	1.119	11.566	1.09
3	11.612	1.101	11.151	0.966	11.803	1.079	11.472	1.08
4	11.304	1.201	10.859	0.928	11.851	0.972	11.313	1.03
5	10.690	1.081	10.703	0.895	11.494	0.991	11.284	0.90
6	10.522	0.888	10.491	0.860	11.197	0.898	11.179	0.88
7	10.517	0.917	10.248	0.858	10.982	0.866	11.001	0.81
8	10.340	0.826	10.285	0.834	10.636	0.654	10.660	0.80
9	10.266	0.751	9.994	0.724	10.956	0.790	10.544	0.73
10	10.204	0.904	9.841	0.706	10.569	0.715	10.494	0.667
11	9.912	0.786	9.805	0.824	10.698	0.749	10.364	0.648
12	9.885	0.593	9.578	0.610	10.525	0.609	10.439	0.748
13	9.927	0.636	9.596	0.743	10.547	0.730	10.235	0.622
14	9.797	0.652	9.516	0.501	10.276	0.590	10.164	0.654
15	9.968	0.739	9.551	0.666	10.319	0.580	10.132	0.574
16	9.759	0.626	9.421	0.535	10.392	0.790	10.073	0.586
17	9.856	0.663	9.330	0.571	10.389	0.841	10.048	0.635
18	9.771	0.685	9.379	0.568	10.222	0.606	9 867	0.512
19	9.493	0.706	9.241	0.580	10.219	0.649	9.879	0.596
20	9.505	0.654	9.222	0.561	10.058	0.586	9.756	0.599
21	9.257	0.633	8.869	0.496	9.947	0.601	9.512	0.489
22	8.989	0.532	8.857	0.499	9.709	0.615	9.551	0.806
23	9.138	0.602	8.772	0.546	9.579	0.510	9.277	0.597
24	8.836	0.521	8.700	0.588	9.485	0.569	9.126	0.455
25	8.689	0.458	8.583	0.525	9.599	0.693	9.199	0.511
26+	8.383	0.534	8.045	0.620	8.959	0.518	8.744	0.450

TABLE 7

DISCOUNT RATES BY YEAR OF SERVICE
ENLISTED PERSONNEL, TECHNICAL OCCUPATIONS
(Group Means and Standard Deviations)

YOS	Army		Navy		Marine Corps		Air Force	
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1	13.500	1.536	12.802	1.192	12.855	1.311	11.973	1.201
2	14.096	1.244	12.854	1.338	13.086	1.151	12.687	1.161
3	14.066	1.194	12.820	1.245	12.990	1.125	12.945	1.301
4	13.392	1.334	12.571	1.035	12.562	1.104	12.618	1.180
5	13.357	1.285	12.278	1.247	12.080	1.391	12.069	1.256
6	12.738	1.535	12.038	1.068	11.808	1.190	12.200	1.236
7	12.717	1.255	11.948	1.363	11.606	1.377	11.953	1.336
8	12.343	1.230	11.471	1.247	11.434	1.340	11.904	1.311
9	11.939	1.153	11.270	1.187	11.263	1.194	11.445	1.171
10	11.833	1.183	11.011	1.084	11.069	1.187	11.489	1.105
11	11.871	1.156	10.582	0.820	10.651	0.991	11.129	1.025
12	11.670	0.971	10.393	0.937	10.754	1.088	11.087	0.898
13	11.634	1.075	10.587	1.034	10.736	1.048	10.967	0.836
14	11.354	0.916	10.484	1.021	10.583	0.920	10.932	0.891
15	11.315	0.862	10.465	0.921	10.580	0.888	10.761	0.762
16	11.499	0.867	10.491	0.925	10.928	0.945	10.879	0.963
17	11.266	0.850	10.443	0.861	10.497	0.834	10.910	0.886
18	11.317	0.876	10.348	0.980	10.599	0.910	10.995	0.907
19	11.347	0.923	10.235	0.725	10.444	0.859	10.926	0.932
20	11.338	0.910	10.158	0.837	10.436	0.941	10.596	0.643
21	11.053	0.996	9.949	0.734	9.845	0.807	10.310	0.629
22	10.752	0.795	9.775	0.830	9.832	0.881	10.448	0.931
23	10.743	0.968	9.803	0.725	9.608	1.001	10.025	0.625
24	10.254	0.652	9.850	1.056	9.708	0.731	9.902	0.637
25	10.128	0.653	9.446	0.688	9.393	0.521	9.880	0.864
26+	10.489	0.950	9.010	0.860	9.242	0.838	9.514	0.691

TABLE 8

DISCOUNT RATES BY YEAR OF SERVICE
ENLISTED PERSONNEL, NON-TECHNICAL OCCUPATIONS
(Group Means and Standard Deviations)

YOS	Army		Navy		Marine Corps		Air Force	
	MEAN	STD	MEAN	STD	MEAN	STD	MEAN	STD
1	14.714	1.270	13.512	1.511	13.648	1.371	14.212	1.336
2	14.747	1.361	13.793	1.408	13.837	1.381	13.892	1.303
3	14.648	1.272	13.783	1.269	13.746	1.209	13.415	1.143
4	14.310	1.402	13.496	1.191	13.718	1.178	13.187	1.362
5	13.705	1.632	13.322	1.253	12.868	1.560	12.535	1.509
6	13.746	1.422	12.490	1.363	12.810	1.403	12.740	1.211
7	13.360	1.311	12.563	1.385	12.518	1.316	12.814	1.472
8	12.893	1.976	12.227	1.322	12.427	1.398	12.573	1.352
9	12.771	1.357	12.114	1.406	11.681	1.249	11.687	1.018
10	12.782	1.188	11.850	1.204	11.602	1.046	11.705	0.981
11	12.363	1.171	11.502	0.938	11.673	1.134	11.818	1.029
12	12.362	1.175	11.218	0.920	11.415	0.884	11.671	0.883
13	12.287	1.110	11.091	1.035	11.687	1.296	11.551	1.070
14	12.372	1.096	11.390	1.080	11.742	1.054	11.558	1.231
15	12.357	0.945	11.986	1.016	11.004	0.947	11.630	0.683
16	12.470	0.985	11.388	0.783	11.160	0.852	11.768	1.149
17	12.255	0.795	11.062	0.997	11.256	0.991	11.673	0.744
18	12.359	0.866	11.340	0.958	11.252	1.001	11.574	1.025
19	12.073	0.852	11.230	1.039	11.449	1.335	11.408	0.634
20	12.328	0.967	10.911	0.921	11.291	1.035	11.424	1.024
21	12.081	0.901	10.677	1.640	10.603	1.263	10.614	0.312
22	11.475	0.894	10.519	0.662	11.047	0.901	10.828	0.691
23	11.225	0.734	10.809	0.929	11.411	1.234	10.844	0.853
24	12.345	2.336	10.032	1.186	11.162	1.355	10.700	1.504
25	11.035	1.009	10.479	0.842	9.374	0.318	10.140	0.289
26+	11.592	1.198	9.595	0.682	9.985	0.804	10.280	0.698

An examination of the results in Tables 6 through 8 reveals a negative trend in discount rates by YOS and systematic differences across Services and technical-nontechnical enlisted groups. Furthermore, within-group discount rate variation, measured by the standard deviations, tends to decline as YOS increases. The latter implies that the military force becomes more homogeneous with greater years of service. Both an aging and a selectivity effect may explain this phenomenon.

The relationship between group discount rates and group characteristics can be quantified. By applying weighted-least-squares regression to the grouped data, the key relationships are highlighted in a compact fashion.[21/] Table 9 presents the regression results. All coefficients are highly significant.

The group-based regression results are useful as a guide to interpreting the discount rates contained in Tables 6, 7, and 8. In brief, the estimated coefficients reveal that among the 104 officer and 208 enlisted groups:

- Enlisted personnel have higher discount rates, on average, than officers;
- Discount rates decline with YOS -- linearly for officers and curvilinearly for enlisted personnel;
- Enlisted personnel in technical occupations have lower discount rates than those in nontechnical skill areas;

21/ The grouped observations are weighted by the square-root of their respective group sizes in order to correct for heteroskedasticity. The resulting estimates are consistent and efficient. Note that the squared YOS variable is used to capture any nonlinear trends in discount rates with respect to YOS.

TABLE 9

DETERMINANTS OF GROUP DISCOUNT RATES
(t-ratios in parentheses)

Variable	Officer	Enlisted
Constant Term	11.64(173.12)	15.30(239.31)
YOS	- .14(13.38)	- .30(26.15)
YOS-Squared	.001(2.58)	.006(13.02)
Navy	- .33(6.02)	- .96(19.92)
Marine Corps	.48(8.58)	- .94(18.40)
Air Force	.26(4.68)	- .79(15.09)
Technical Occupation		- .78(20.93)
Group Size	104	208
R-Squared	.9997	.9996

- Discount rates exhibit significant differences across Services (Army is the omitted variable, i.e., the reference group).

  -- Marine officers have the highest discount rates at .48 percentage points higher than comparable Army officers; Navy officers have, on average, the lowest rates.

  -- Army enlisted personnel have discount rates almost 1 percentage point higher than those in the other Services; the latter are clustered together.

The estimated regression equation can be used to calculate average discount rates for each military group. Referring to the officer equation in Table 9 the constant term is the discount rate for Army officers with zero years of service. To compute discount rates for Army officers for a given YOS, simply insert a YOS value in the equation, multiply by the respective coefficients on YOS and YOS-squared, and combine the products with the constant term. The corresponding rates for the other Services are found in the same way, plus the respective Service coefficients. The latter reflect, for a given YOS, the Service differences in discount rates vis-a-vis the Army. For enlisted personnel, an analagous procedure is followed to calculate mean discount rates. The constant term in the enlisted equation refers to nontechnical Army enlisted personnel with zero years of service.

The regression equations explain virtually all of the cross-group variation in discount rates, as reflected in the high R-squares. This implies that the estimated equations can be used in place of Tables 6 to 8 to compute group discount rates. Such a procedure offers a simple way to calculate discount rates to insert into the ACOL model.

This approach is employed to create several graphs that display the relationships between discount rates and Service, YOS, and officer versus enlisted personnel. These results, based on the estimated coefficients in Table 9, are presented in Figures 2 through 7:

- Figure 2 - Officer discount rates, by Service
- Figure 3 - Enlisted discount rates, by Service (nontechnical occupations)
- Figures 4 to 7 - Service discount rates, by officer and nontechnical enlisted (90% intervals).

Figures 2 through 7 also contain the current ACOL discount rate assumptions for enlisted personnel (an officer-ACOL model does not exist):

- 20 percent for YOS 1 through 5
- 15 percent for YOS 6 through 10
- 10 percent for YOS greater than 10.

Figure 2 displays the relationship between officer discount rates and YOS by Service. Figure 3 presents the same information for enlisted personnel in nontechnical occupations. 22/ An examination of the two figures yields the following observations:

- ACOL discount rate assumptions for enlisted personnel lie above and below our estimates. ACOL rates are higher for YOS < 10, and lower for YOS > 10. ACOL discount rates shift dramatically at YOS 5 and 10 rather than change gradually over time.
- Discount rates, at each YOS, are clustered within a 1 percentage point spread across Services. This holds for both officers and enlisted personnel.
- Marine officers have the highest discount rates and Navy officers have the lowest, on average.
- Army enlisted have the highest discount rates, while those in the other Services lie close together across years of Service.
- Officer discount rates exhibit a downward trend across YOS that is virtually linear.

22/ Note that discount rates for technical enlisted groups are .78 percentage points lower than for nontechnical groups at every YOS. The two occupational groups differ only by a constant.

FIGURE 2

OFFICER DISCCOUNT RATES, BY SERVICE

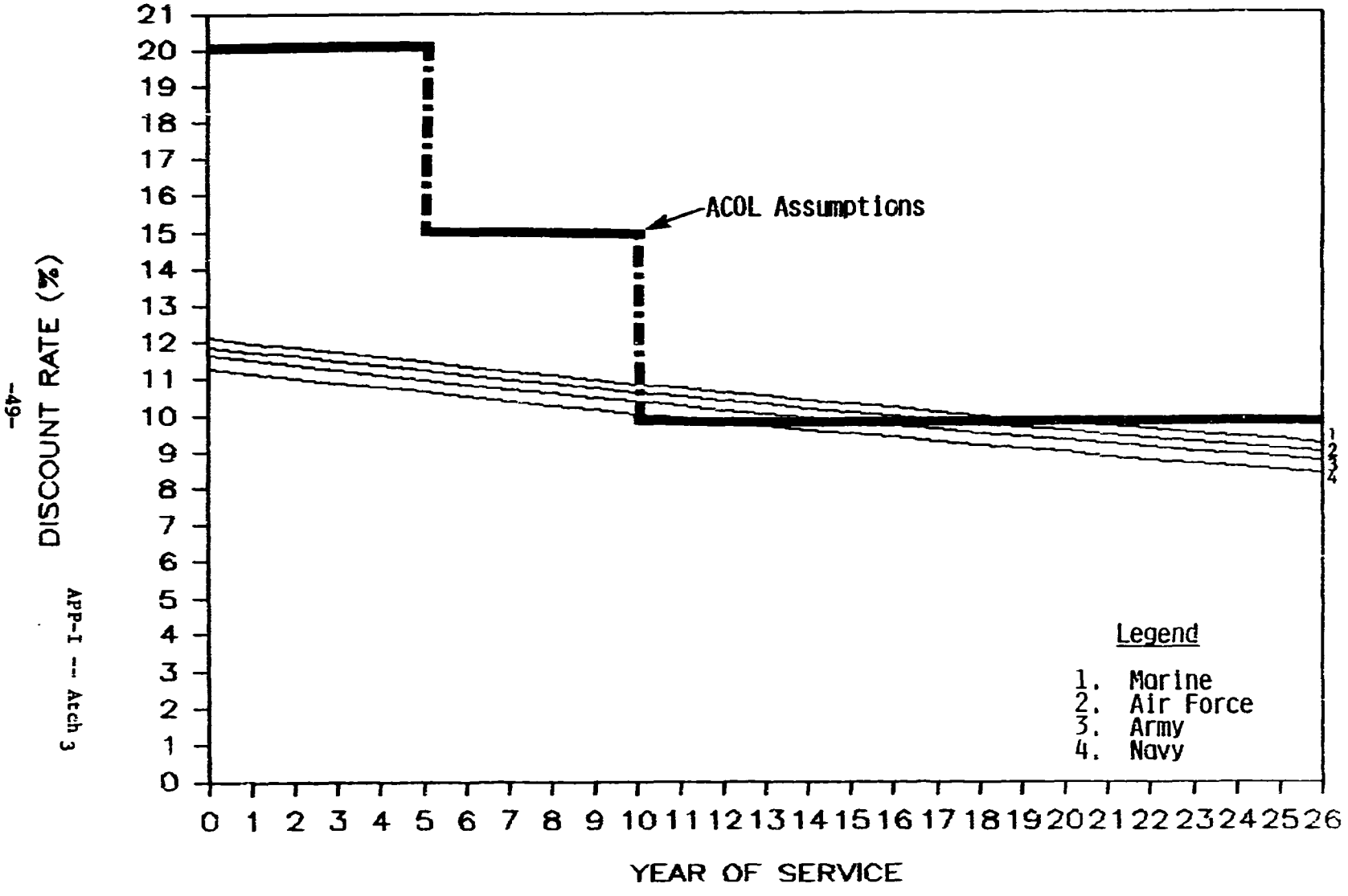
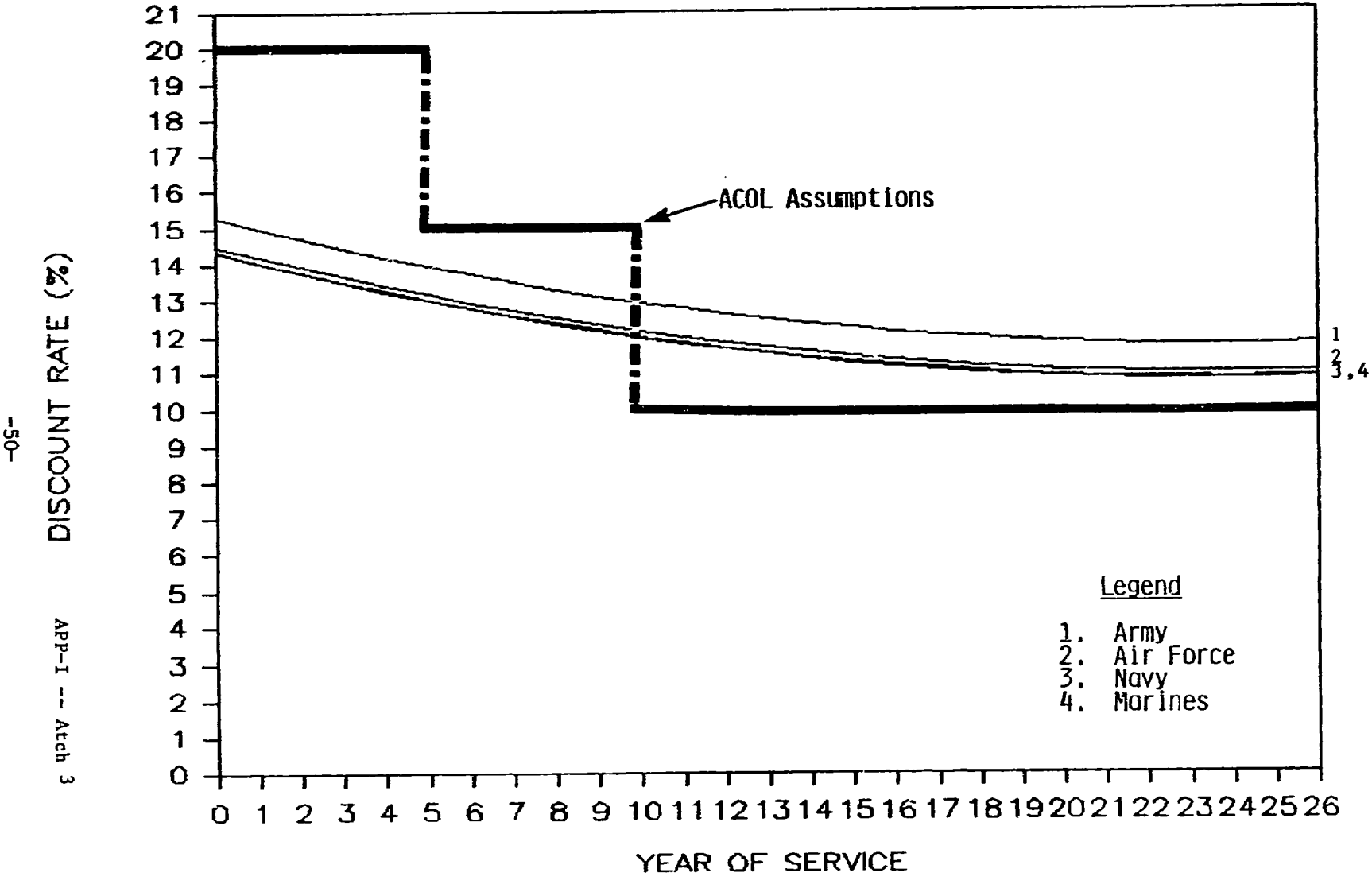


FIGURE 3

NONTECH ENLISTED DISCOUNT RATES



- Enlisted discount rates decline with YOS in a curvilinear pattern. The fall is relatively steep during the first 10 years and then flatten out after about 20 years of service.

- ACOL enlisted discount rates are generally much higher than these estimates for officers at YOS < 10, but are close for YOS > 10.

Figures 4 through 7 present discount rates for each of the four Services. Both officer and enlisted personnel discount rates for each Service are contained in the figures. These four figures differ from the earlier two in that they indicate the dispersion in estimated discount rates at each YOS. Specifically, 90 percent confidence intervals are constructed for every YOS group. 23/ These intervals encompass 90 percent of all individuals within a given YOS.

Inferences drawn from the figures include:

- Within each YOS group, there is greater variation in personal discount rates among enlisted than officers. On average, the 90 percent interval is about 5.6 percentage points for enlisted and 4.8 points for officers.

- Dispersion in discount rates declines with YOS; the rate of compression is greater for enlisted than officers.

- There is overlap between the enlisted and officer distributions.

- ACOL enlisted discount rates of 20 percent for YOS < 5 lie above the upper bound of the 90 percent interval. The ACOL assumption of 10 percent for YOS 6 to 10 lies within the interval while the 10 percent assumption for YOS > 10 lies just below the lower bound.

23/ Assuming a normal distribution, a 90 percent confidence interval = group mean + 2* (standard deviation). Group standard deviations from Tables 4-7 were regressed on the same variables as noted in Table 8. The R-square exceeded .95. The estimated coefficients were used to construct the 90 percent intervals shown in Figures 4-7.

FIGURE 4

ARMY DISCOUNT RATES: 90% INTERVALS

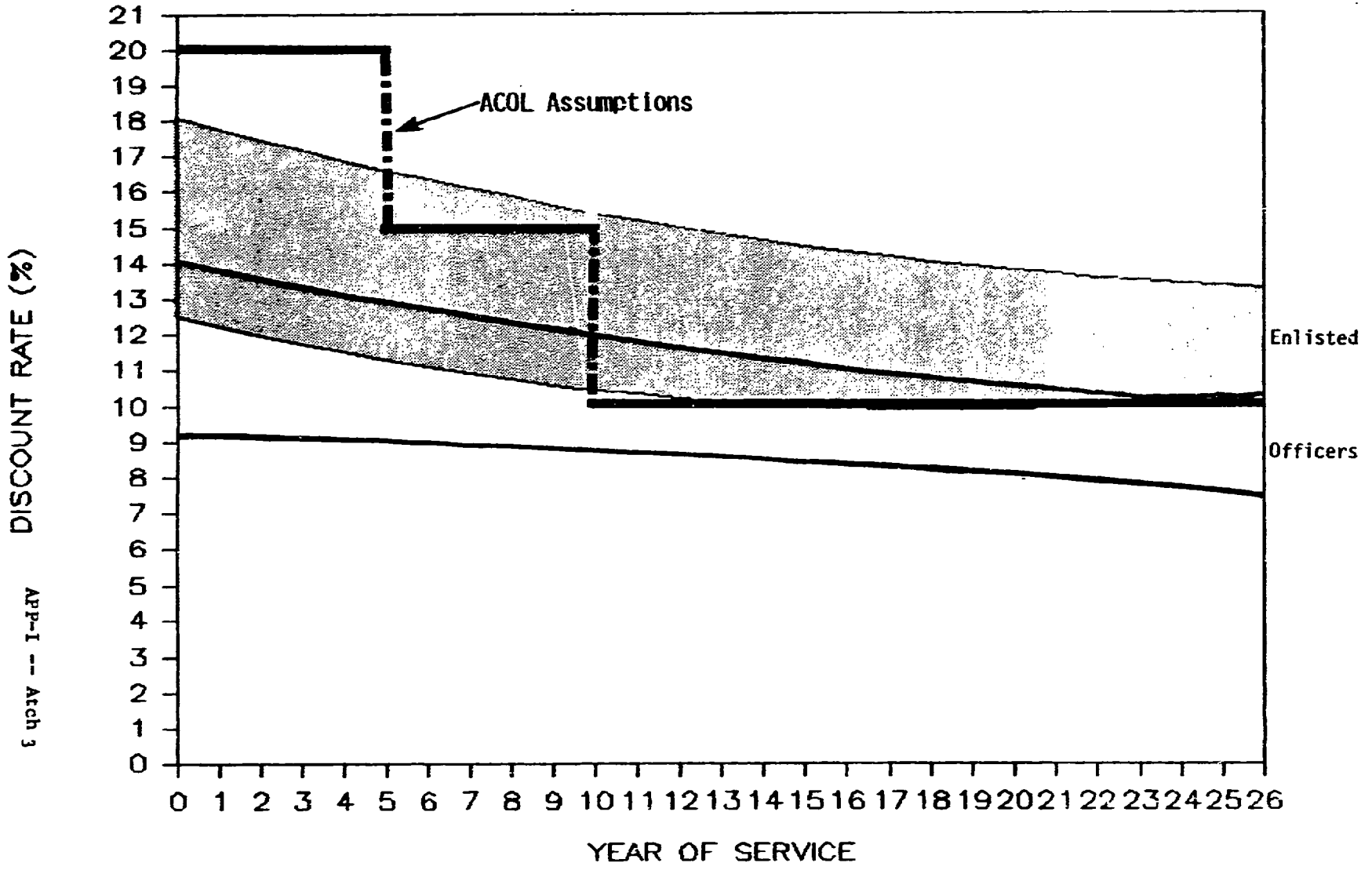


FIGURE 5

NAVY DISCOUNT RATES: 90% INTERVALS

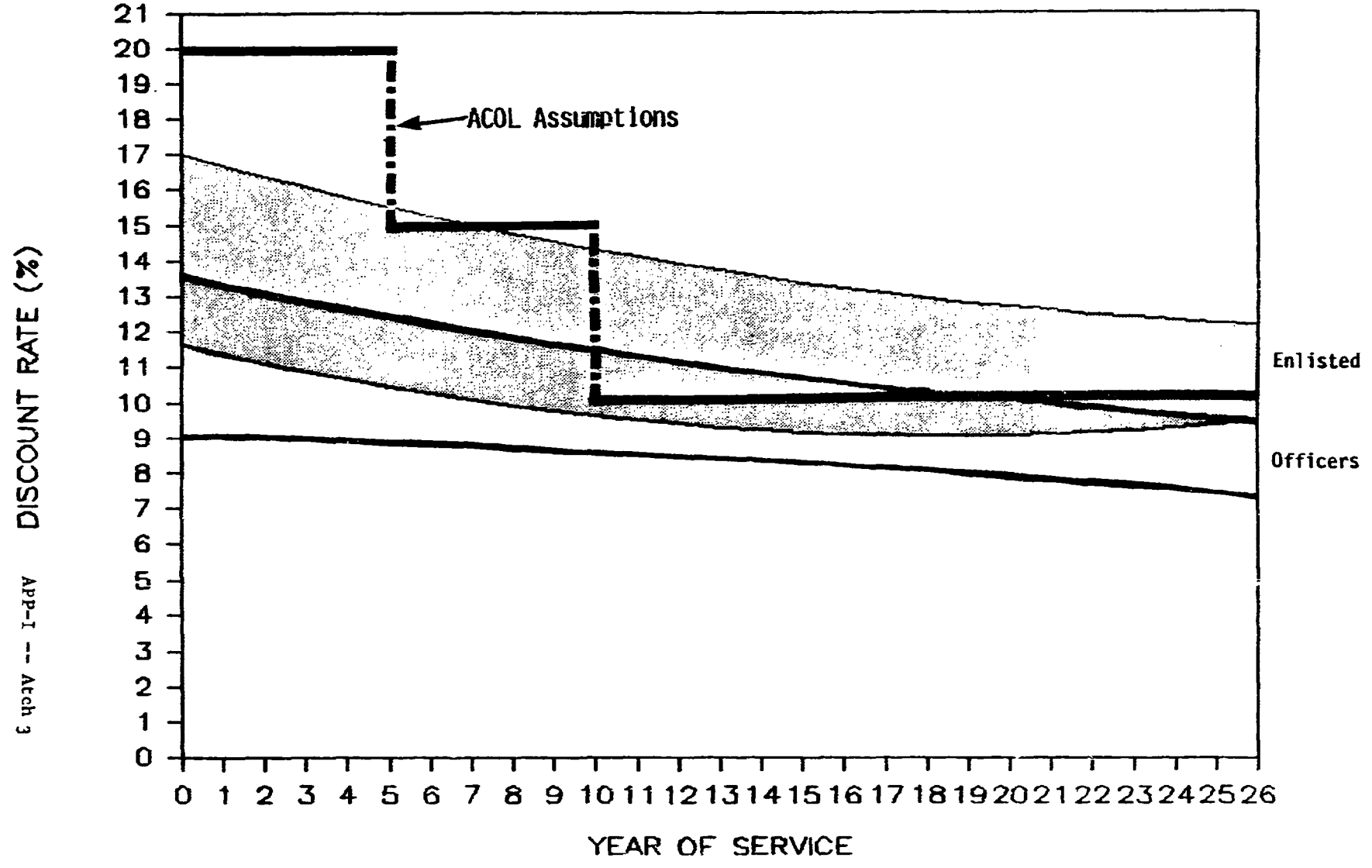


FIGURE 6

MARINE DISCOUNT RATES: 90% INTERVALS

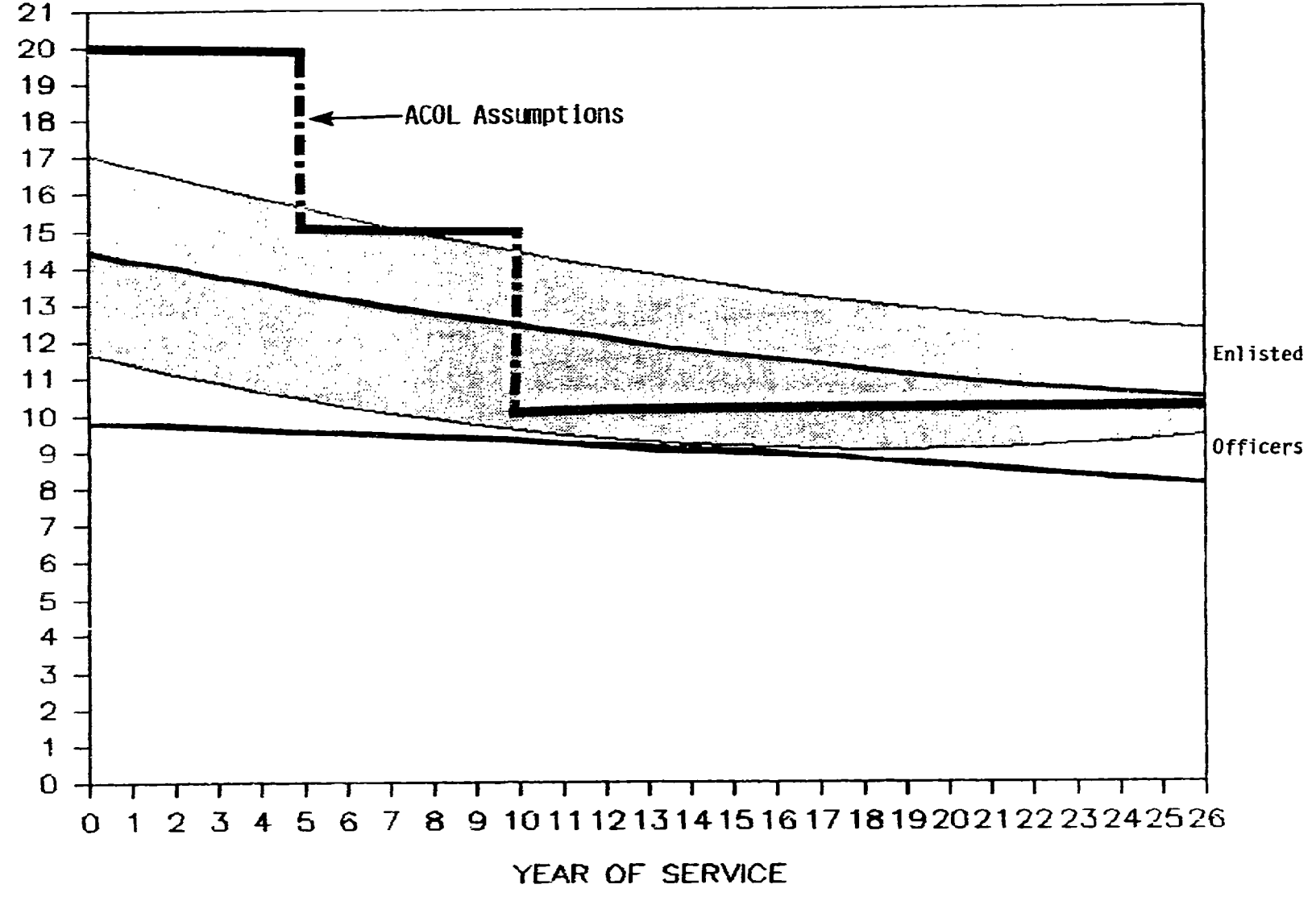
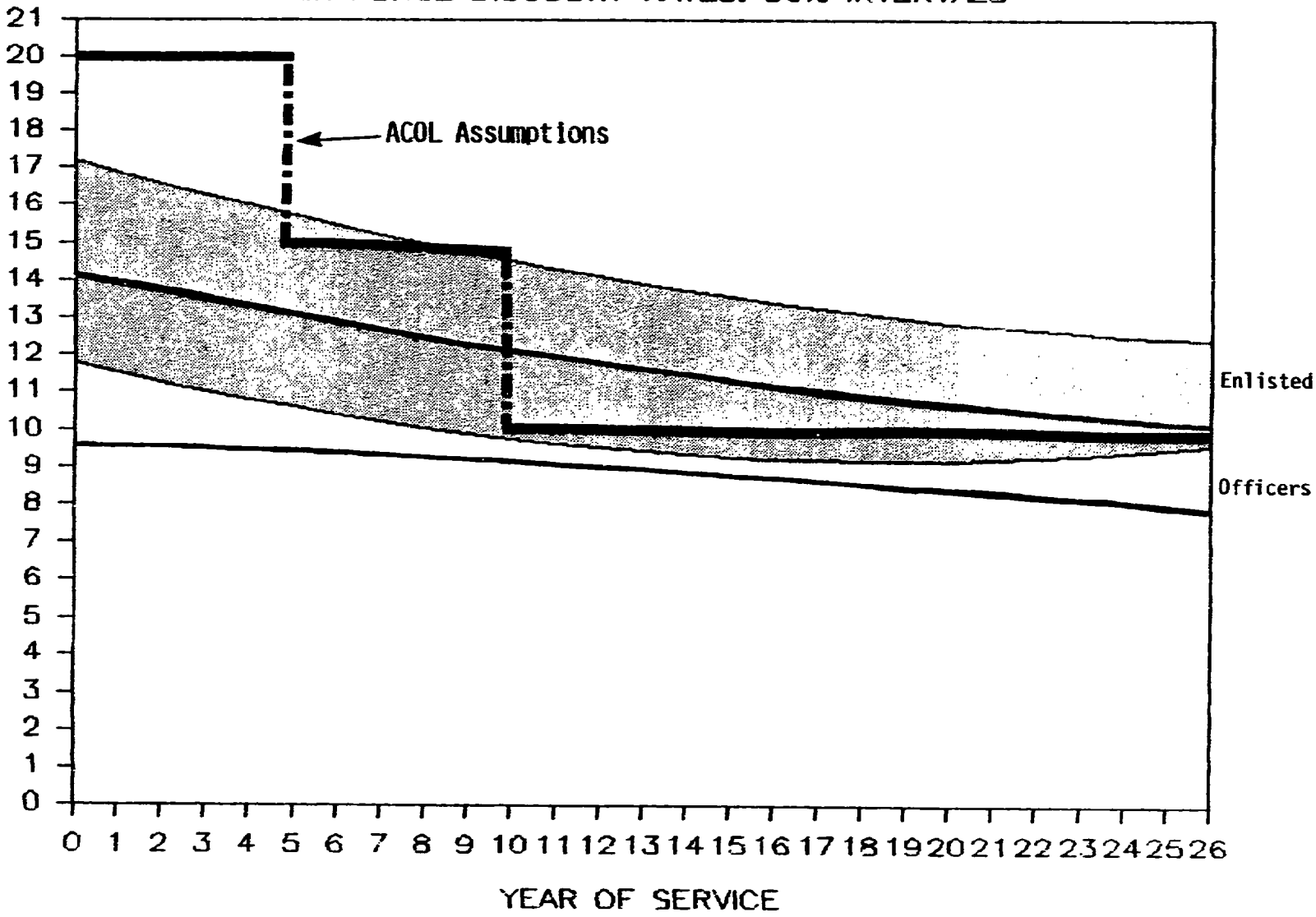


FIGURE 7

AIR FORCE DISCOUNT RATES: 90% INTERVALS



Superimposing the ACOL discount rates on our results reveals several important differences. First, the ACOL assumptions are too extreme. They appear to be too high for less than 10 years of service and too low for more than 10 years of service. Second, the ACOL rates are discontinuous; they do not decline steadily with YOS. Third, the ACOL rates are constant across Services and enlisted occupational specialties. We find that discount rates vary significantly across these groups.

The implications of using our group-based discount rate estimates in place of the ACOL assumptions are clear. In the case of younger personnel (YOS < 10), changes in deferred compensation will have larger retention effects than the ACOL model currently predicts. Hence, the present retirement system has a longer and stronger pull on these individuals than implied by present assumptions. Second, discount rates vary across military groups. This introduces a new source of variation in predicted retention effects stemming from group differences with respect to discount rates. Incorporating the estimated discount rates into ACOL should improve the model's ability to generate more accurate predictions of how changes in deferred compensation will affect retention.

6.2 Conclusions

The concept of a personal discount rate is intuitively appealing and easy to grasp. However, measurement difficulties have stymied analysis of the size and distribution of personal discount rates. Despite these obstacles, discount rates play an important role in empirical models that predict the labor supply repercussions of alternative forms of deferred compensation.

To gain insight into this area, the analysis has developed a statistical methodology to generate estimates of individual discount rates. Specifically, a large micro data base, covering officers and enlisted personnel, was used to estimate the parameters of the model.

An attractive feature of the analysis is that it is based on a sample that is representative of the entire military population. The rich personal data permitted investigation of a number of sources of potential variation in discount rates. The application of appropriate statistical tools enabled us to generate estimates that not only made common sense and agreed with theory, but produced estimates that were corroborated by other studies using different techniques and samples.

From the estimated coefficients, we were able to impute discount rates to individuals. This newly constructed data file was then used to create a group-based data file comparable to that used by the ACOL. The computed discount rates for each group provide the necessary data to meet the information requirements of ACOL. Finally, regression analysis of the grouped data resulted in an easily interpretable and compact means by which discount rates could be incorporated into the ACOL model. The analysis results provide a firmer empirical basis on which to assign discount rates to various military groups.

The results from the multivariate analysis indicate that military personnel have real discount rates that vary substantially by personal and military-related factors. In particular, the estimated discount rates differ significantly across military groups as defined by Service, YOS, and occupation. Furthermore, the group-based regressions provide a straightforward means of computing more accurate discount rates for the ACOL model. The refinement should result in a more precisely calibrated retention model with which to predict the effects on the Armed Services of alternative compensation policies.

APPENDIX A

CONSUMER TIME ALLOCATION PROBLEM

The relationship between the market interest rate and individual time preferences can be examined with the economic theory of consumer behavior (for example, see Baumol, 1965). The link is best viewed in a perfect capital market -- assume borrowing and lending rates are identical and that individuals can borrow or lend without restriction (the latter is the strongest assumption). To derive the relationship, consider a stylized world of two periods, a single composite index of consumption goods (C), and a single price index (P). Individuals are assumed to derive utility or satisfaction from consumption, although the extra or marginal utility obtained from another unit of C will decline as the level of consumption increases. Recall that individuals prefer current over future income because of the psychic benefits and investment returns available from current income that would be foregone if income were deferred.

An individual attempting to maximize his lifetime (discounted) utility will adjust the level of consumption in each period by borrowing or lending. Equilibrium occurs when the ratio of the marginal utilities (MU) associated with consumption in each period is equal to the ratio of their respective prices:

$$\frac{MU_t}{MU_{t+1}} = \frac{P_t}{P_{t+1}} \qquad \text{(a)}$$

Note that P dollars spent in period t constitute a greater outlay than P dollars spend in period t+1. This is because deferred spending will earn "r" dollars in interest, where r is the percentage rate of return. Hence, P

dollars spent now are as costly an expenditure as P(1+r) dollars spent next period. Assuming that nominal prices remain constant, equilibrium condition (a) can be amended to:

$$\frac{MU_t}{MU_{t+1}} = \frac{P_t}{P_{t+1}} = \frac{(1+r)\,P_{t+1}}{P_{t+1}} = (1+r). \qquad (b)$$

Expression (b) demonstrates that, in equilibrium, the marginal utility of current consumption will exceed that of consumption in the following period in a ratio given by (1+r). This has several implications for the temporal allocation of income. First, the marginal utility of consumption is believed to decline with the level of spending. For example, a lower-income person should value an extra $1.00 of current consumption more than a higher-income person. This suggests that the first individual would be less willing to forego current consumption because the ratio of marginal utilities is likely to be higher than (1+r) as determined by market interest rates.

Second, an individual facing a rising income-age profile will have a ratio of marginal utilities in excess of (1+r). An optimal plan would be to borrow against future income to supplement current consumptions. Borrowing would continue until the equilibrium condition was satisfied for each period. A common finding in the empirical literature is that earnings tend to rise with age, reaching a peak in real terms in the mid-40s. If consumption requirements exhibit less change over time, then we would expect younger persons to be net borrowers and older persons to be net savers.

A complication arises when allowance is made for imperfect capital markets. In general, lending rates (interest earned on savings) are less than borrowing rates. This suggests that two sets of interest rates must be used in expression (b), depending on whether or not a borrowing or saving decision is being considered. Most individuals are not able to borrow against future earnings and many are denied access to consumer loans. Furthermore, there are limits to how much can be borrowed. These imperfections drive a wedge between the prevailing market interest rate and the ratio of marginal utilities. This thwarting of desired intertemporal income and consumption allocations for some people results in personal discount rates in excess of market interest rates.

APPENDIX B

DERIVATION OF REAL RATES OF RETURN IMPLIED BY THE RETIREMENT PAYOUT OPTIONS

The DoD Survey, Form 1 (enlisted) and Form 3 (officer), asks responden . to choose among six alternative retirement benefit payout plans. The question for each sample poses a hypothetical situation: retirement with 20 years of service at an E-7 (enlisted) or O-5 (officer) paygrade. The alternative benefit schedules range from a lump sum payment at retirement to various annuities, including a lifetime annual payment. Respondents were told that future benefits would be adjusted for inflation and taxed in the same way as the current retirement system. The features of the alternative schedules are contained in Table 3.

Each of the annuities has an implied real rate of return relative to the lump sum amount. The implied rate of return to a payout option is found by solving for the rate that equates the present value of the annuity stream to the lump sum payment. Two assumptions are made: (1) future benefits increase at the same rate as inflation, and (2) annual retirement benefits commence one year following retirement. The general solution is specified for the lifetime annuity option; the shorter-term annuities are special cases as the following makes clear.

The problem, then, is to solve for the rate of return that equates the following:

After-Tax Lump Sum Payment = PV (After-Tax Lifetime Annuity).

This implies

$$Y_o(1-y) = \sum_{t=1}^{T} X_o(1-x)e^{-(r^*-i)t} + \sum_{n=T+1}^{N} X_o e^{-(r^*-i)n} \qquad (a)$$

$$= \sum_{t=1}^{T} X_o(1-x)e^{-rt} + \sum_{n=T+1}^{N} X_o e^{-rn}$$

where the following definitions hold throughout:

Y_o	:	lump sum payment at retirement
X_o	:	lifetime annuity value at retirement
y	:	average marginal tax rate on lump sum
x	:	average marginal tax rate on annuity
T	:	remaining post-service worklife
N	:	remaining post-service lifetime
t,n	:	measures of time in years
i	:	rate of inflation
r^*	:	nominal rate of return
r	:	real rate of return = (r^*-i).

Referring to equation (a), the left-side term represents the after-tax value of the lump sum payment at retirement. The right-side of the equation represents the present value of the lifetime annuity. Several observations should be made. First, the initial annuity payment, X_o, is increased each year to keep up with inflation. At the end of year t, the nominal benefit equals:

$$X_o e^{it}.$$

Second, because future benefits are not valued as highly as current benefits, the nominal benefits must be deflated by r* according to:

$$X_o e^{-rt^*}.$$

Combining the effects of inflation and discounting yields the present value of the annuity at the end of year t:

$$X_o e^{-(r^*-i)t} = X_o e^{-rt} .$$

Third, retirement benefits are subject to an average marginal tax rate of "x" so that after tax benefits are equal to $X_o(1-x)e^{-rt}$. Fourth, individuals are assumed to work in the civilian sector after leaving the military for T years. Thereafter, they retire from the workforce and live for N-T more years. Fifth, in the latter period, we assume that benefits will not be taxed.

Solving equation (a) for "r" yields a value for the real rate of return. The solution equates the lump sum and lifetime annuity options. The solution is interpreted as the real rate of return that the lump sum amount would have to earn over N years to produce the same present value as that offered by the lifetime annuity. The following manipulations of equation (a) are performed to solve for r:

$$Y_o(1-y) = \sum_{t=1}^{T} X_o(1-x)e^{-rt} + \sum_{n=T+1}^{N} X_o e^{-rn} \qquad (a)$$

$$= X_o(1-x) \cdot \left(\sum_{t=1}^{T} e^{-rt} \right) + X_o \cdot \left(\sum_{n=T+1}^{N} e^{-rn} \right).$$

Expansion of the summation term results in

$$Y_o(1-y) = X_o(1-x)(e^{-r} + e^{-2r} + \ldots + e^{-Tr}) \qquad (b)$$

$$+ X_o(e^{-nr} + e^{-(2+n)r} \ldots + e^{-Nr}).$$

The next steps are designed to remove the intervening exponential terms from the parenthetical expressions. Multiply equation (b) by e^{-r}:

$$Y_o(1-y)e^{-r} = X_o(1-x)(e^{-2r} + \ldots + e^{-(T+1)r}) \qquad (c)$$

$$+ X_o(e^{-(n+1)r} + \ldots + e^{-(N+1)r})$$

Subtracting equation (c) from (b) yields:

$$Y_o(1-y)(1-e^{-r}) = X_o(1-x)(e^{-r} - e^{-(T+1)r}) \qquad (d)$$

$$+ X_o(e^{-nr} - e^{-(N+1)r})$$

Multiply equation (d) by e^{r}:

$$Y_o(1-y)(e^{r}-1) = X_o[(1-x)(1-e^{-Tr}) + (e^{-Tr}-e^{-Nr})]. \qquad (e)$$

Dividing equation (e) by $(1-y)(e^{r}-1)$ leaves us with:

$$Y_o = \frac{X_o}{e^{r}-1}\left\{\left(\frac{1-x}{1-y}\right)(1-e^{-Tr}) + \left(\frac{1}{1-y}\right)(e^{-Tr}-e^{-Nr})\right\}. \qquad (f)$$

Equation (f) is the final formula from which r is derived. All terms, except r, are either given or set by assumption. Because r appears in higher-order exponential terms, its solution must be found numerically, or by an iterative procedure. This does not pose a problem because the right-side of equation (f) is a monotonic function of r.

Before calculating the real rate of return, several inferences may be drawn from equation (f). First, if the tax system is proportional, the term, (1-x)/(1-y), becomes unity. Under this condition, the tax system has, for the most part, a neutral effect on the derived r. The tax effect associated with benefits received after permanent retirement will have only a minor effect because they accrue many years in the future.

Second, if the tax system is progressive, then the derived r will be greater than under a proportional system. This is because (1-x)/(1-y) is greater than unity.

The DoD Survey provides values for:

Y_o: lump sum payment at retirement
X_o: annual annuity benefit valued at retirement
T : term of annuity.

In the case of a lifetime annuity, we assume that individuals will work for 25 years following retirement from the military (T=25), and that benefits will be received for another 20 years after finally retiring from the workforce (N=45). Tax rate assumptions are based on the tax tables contained in the 1978 IRS Federal Income Tax Forms.

In the case of the 2 to 20-year annuities, we set N=T. This removes the effect of receiving benefits after the age of 65, which is represented by the right-most terms in equation (f).

In the following table, we present the calculated rates of return associated with each retirement payout option. The table includes information on the benefit amount, length of annuity, average marginal tax rates applied against each benefit, and the calculated rates of return.

CALCULATED REAL RATES OF RETURN: OFFICER

Schedule	Amount	Tax Rate	Rate of Return
Lifetime Annuity	$12,630	.40	.134
20 Years	14,200	.41	.139
10 Years	19,670	.43	.154
5 Years	31,890	.46	.173
2 Years	69,650	.52	.159
Lump Sum Payment	120,870	.56	--

CALCULATED REAL RATES OF RETURN: ENLISTED

Schedule	Amount	Tax Rate	Rate of Return
Lifetime Annuity	$ 5,800	.168	.134
20 Years	6,600	.189	.144
10 Years	9,140	.197	.168
5 Years	14,810	.222	.203
2 Years	32,350	.320	.202
Lump Sum Payment	56,150	.418	--

The calculated rates of return are sensitive to the tax rates. If a proportional tax system were assumed, the calculated real rate of return would be 9.53 percent - for all payout options and for both officers and enlisted personnel. We believe, however, that it is more realistic to assume that individuals perceive a progressive tax system.

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APPENDIX I, ATTACHMENT 4

ACOL USER's GUIDE

The ACOL User's Guide was not completed in time for this printing. It will be distributed seperately when it is available.

DETERMINANTS OF MILITARY RETENTION:

OFFICER AND ENLISTED PERSONNEL

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January 1984

Study Prepared for:
Fifth Quadrennial Review of Military Compensation

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The views, opinions, and findings contained in this report are those of the authors and should not be construed as an official Department of Defense position, policy, or decision, unless so designated by other official documentation.

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1. INTRODUCTION

This report examines the determinants of retention among officers and enlisted personnel in the U.S. Armed Forces. The study, commissioned by the Fifth Quadrennial Review of Military Compensation, provides empirical support for analyzing the links between compensation and force structure. In addition to this specific objective, the report provides new insights into the nonmonetary correlates of retention.

The size and shape of the Armed Forces reflect a dynamic interplay between individuals' supply decisions and Services' demand requirements with respect to skills and end-strength. Effective force management hinges on the ability of compensation and personnel policies to equilibrate supply and demand over time. In turn, this requires a clear understanding of the pecuniary and nonpecuniary determinants of labor supply:

- Compensation Policy. Evaluating military compensation requires accurate estimates of the relationship between pay and benefits and military retention. Analytical models used to generate such predictions need closer scrutiny and stronger empirical confirmation.

- Force Management. Compensation is a key management tool, but effective force management also depends on other factors that underlie individual stay-leave decisions. Elements such as family status and spouse employment, demographic characteristics, skills and private sector opportunities, and tastes for the military versus the civilian sector play a crucial role in determining retention rates. Force managers need better information on how these factors affect officer and enlisted retention.

In the remainder of this chapter, Section 1.1 identifies the principal study focus in relation to the prevailing policy and analytical context, and Section 1.2 summarizes the major empirical findings. Chapter 2 describes the data used in the analysis -- the 1978 DoD Survey of Officers and Enlisted Personnel, and notes its primary strengths and weaknesses. Chapter 3 provides a general overview of retention behavior and the Annualized Cost of Leaving Model from which our analysis is derived. Chapter 4 describes how the model estimation is conducted and how the results are organized. The empirical findings for enlisted personnel and officers are presented in Chapters 5 and 6, respectively. Chapter 7 concludes with a summary of the findings and a discussion of the policy implications.

1.1 Study Focus

The study objective is to estimate the relationship between retirement benefits and retention decisions of military personnel. Retirement pay is a large component of total compensation costs for the DoD. Furthermore, manpower analysts agree that the retirement system plays an instrumental role in individual decisions of whether or not to remain in the Armed Forces. The Fifth QRMC is investigating this linkage to evaluate alternative changes to the current retirement system. To support the QRMC's effort, our analysis isolates the influence of the retirement system on retention decisions.

Underlying the QRMC's evaluation of retirement as well as other forms of compensation, such as special pays and bonuses, is a model that relates compensation to retention. Its theoretical basis is the Annualized Cost of Leaving (ACOL) model described in Enns, Nelson, and Warner (1983). The ACOL model is particularly appropriate for analyzing retirement issues because it combines deferred compensation with current pay and benefits into a single incentive variable vis-a-vis civilian opportunities. However, ACOL is still a relatively new and untested tool. And, in light of the policy and cost implications stemming from recommendations based on ACOL model predictions, it is essential to obtain a firmer grasp of the appropriateness of the model's assumptions and its potential biases. Toward this end, the analysis focuses on several issues that have not been adequately addressed by:

- Estimating a retention model with data on individuals rather than aggregate data;
- Decomposing the single ACOL variable into its separate pay elements;
- Investigating the effects of measures of tastes for military service on retention and on estimated pay elasticities;
- Estimating the retention of military officers as well as enlisted personnel;
- Including a rich array of personal characteristics that bear directly on the stay-leave decision; and
- Estimating separate Service retention models for enlisted personnel.

1.2 Summary of Empirical Findings

The analysis is based on a model that specifies the probability of retention as a function of relative compensation opportunities, taste for military service, and detailed personal and military characteristics. Retention models are estimated separately for enlisted personnel (YOS 2 to 11) and for officers (YOS 2 to 8). In addition, Service-specific models are estimated for the enlisted and these results are presented in Appendix D. The officer sample, however, is too small to permit separate analysis by Service, although we do test for inter-Service differences in the estimated compensation effects. Individual observations are used to estimate the probability of staying in the military for at least one more year. Maximum-likelihood techniques are used to estimate the parameters of a logit model of retention.

We use a straightforward procedure to calculate a compensation measure similar to a conventional ACOL variable. This measure is constructed by summing together (1) the difference in current military pay and expected civilian earnings reported by DoD Survey respondents; (2) the annualized present value of SRBs; and (3) the annualized present value of retirement benefits available at 20 years of service. This calculation captures the effects of current pecuniary incentives and two financial spikes that loom in the future -- reenlistment bonuses and retirement benefits.

The analysis also decomposes ACOL into the three pay elements noted above. This specification allows us to detect which sources of compensation have the stongest influence on retention. The empirical analysis finds that current pay differentials do not have a significant effect on retention probabilities. However, we believe that a cross-section data file, such as the DoD Survey, does not contain sufficient variation in the current military-civilian pay differential to support estimation of its relationship to retention. The differential remains fairly constant over YOS, in constrast to a rising rate of retention. We recommend that future analyses should exploit the advantages of pooled cross-section and time-series data. This would provide a better opportunity to estimate the effect of current pay differentials on retention as both change over time.

Estimated Retirement Benefit Elasticities. A major objective of the analysis is to estimate the relationship between retirement benefits and retention. The annualized present value of future retirement benefits, APV(Ret), is used to achieve this goal. DoD-wide retention models, estimated for both officers and enlisted personnel, yield the following APV(Ret) elasticities:

Enlisted -- APV(Ret) elasticity of 2.08 (YOS 2 to 11)
Officer -- APV(Ret) elasticity of 1.98 (YOS 2 to 8).

The results imply that both officer and enlisted personnel have a similar labor supply response with respect to the retirement system. This interpretation is buttressed by the fact that the estimated logit coefficients on APV(Ret) are of comparable magnitude for both groups. The two populations, however, do exhibit different elasticity patterns over YOS: enlisted elasticities are lower for the YOS 2-6 interval than for YOS 7-11, while officer elasticites are higher for YOS 2-4 than for YOS 5-8.

The estimated effect of APV(Ret) on enlisted retention varies significantly across Services. This should be taken into account in predicting Service-specific effects of a potential change to the retirement system. We find non inter-Service differences for officers. Note, however, that derived retirement benefit elasticities will vary according to where they are evaluated with respect to the retention function. Because average retention rates differ over YOS and across Services, the associated elasticities will differ. This variation should also be recognized in predicting the force implications of changes to the retirement system.

Our estimated retirement effects on retention are quite large compared to what would be predicted using a military pay elasticity of about 2.0 derived from previous ACOL model estimates. In part, our results may reflect the influence of unobserved tastes in the estimated APV(Ret) coefficient. The combination of a decomposed ACOL term and a wide YOS period may allow for much greater correlation between unobserved tastes that may change over YOS, and APV(Ret) which increases with YOS. Earlier models, however, did not permit estimation of a separate retirement effect. If different sources of compensation have different effects on retention decisions, then the implied retirement benefit elasticity based on earlier models may be biased downward. Moreover, most other analyses have focused on first-term enlistees for whom the retirement system has little financial value. We speculate that as YOS increases, the role of the retirement system expands while the corresponding role of current military compensation contracts.

Tastes for Military Service. A unique contribution of this study is its examination of (1) how individuals' tastes for military service influence retention, and (2) how the exclusion of tastes in retention models affects estimated pay elasticities. The DoD Survey provides information on how individuals rank civilian employment vis-a-vis their present military job. Several aspects of the job environment are addressed, and we focus on satisfaction with respect to nonpecuniary job attributes. The analysis estimates the retention effects of an overall Tastes Index as well as its components for both officers and enlisted personnnel.

The results suggest that the probability of staying in the military is significantly related to tastes. While not surprising, these estimates provide some of the first empirical evidence documenting the role of tastes. We find that taste for the military is an important

determinant of both officer and enlisted retention. The specific job attributes comprising the Taste Index, however, differ between the two groups and the analysis examines their specific relationships to retention. The influence of tastes, or job satisfaction, on individual stay-leave decisions has direct policy implications. Shifts in the underlying taste distribution resulting from changes in personnel or compensation policy will subsequently affect the size and shape of the force.

The analysis investigates whether the omission of tastes in retention models may bias the estimated compensation coefficients. This issue is related to a phenomenon known as "selectivity" -- individuals are presumed to select themselves in or out of the military according to their relative employment preferences. Selectivity also operates from the demand side as the Services impose their own selection criteria The outcome of this dual process is that average tastes for the military are predicted to rise with YOS. If unobserved tastes are correlated with measures of compensation, then estimates on the latter may be biased if tastes are not taken into acccount.

Our analysis finds that omitting tastes has only a minor impact on the estimated effect of compensation on retention. In particular, estimated retirement benefit elasticities are 10% and 5% too high for enlisted and officers, respectively, when our measure of tastes is excluded from the model. Insofar as we are able to proxy tastes for military service, selectivity does not appear to have serious implications for retention analysis. An important caveat to this conclusion is that tastes for military service may be broader than what is captured by the DoD Survey measure. One might conjecture that important dimensions of taste remain unobserved making the above interpretation premature. Although our findings are revealing, further work is needed in this area to provide additional information.

Personal Characteristics. The estimation yields a number of insights into the personal correlates of retention. These results, while not as amenable to policy as the compensation findings, enhance our general understanding of what motivates individuals to leave or stay in the military.

A statistically significant findings is that black officers and enlisted persons are more likely to remain in the military than nonblacks, other things equal. We find that female officers are more like to stay than their male counterparts; gender differences in retention propensities are not evident among the enlisted. These findings suggest that blacks, and to some extent women, perceive better career opportunities in the military than in the civilian sector. Women who enter the military may also have a comparatively higher taste for military service than males, and are thus more likely to remain.

Marital status and the nature of spouse employment also affect the probability of

retention. Although the estimated effects differ for officers and the enlisted, as well as by Service among the enlisted, several patterns emerge. Compared to single individuals, officers and enlisted who are divorced, widowed, or separated exhibit a stronger tie to the military. This may imply a link between military service and marital strife, as well as a sense of community for those experiencing family turbulence.

We find that enlisted personnel with a spouse in the Armed Forces or a spouse not currently working, are more likely to stay in the military than the single enlisted. The former suggests a family-wide commitment to the military, while the latter implies fewer outside ties to inhibit retention. These results indicate that the family-military interface is a relevant factor in retention decisions. This should be of interest to policy-makers, and hopefully, stimulate further analysis of family related issues.

Financial circumstances govern the ability of service members to take risks and defray the costs of switching jobs. Both officers and the enlisted appear to make retention decisions that are positively influenced by the possession of liquid assets. In addition, nonmortgage debts are found to discourage exits among officers.

2. DATA SOURCE AND SAMPLE DESIGN

The data base for the analysis is the 1978 DoD Survey of Officers and Enlisted Personnel. The DoD Survey is the only survey that has been administered recently to personnel in all Services from which valid statistical inferences can be made with regard to the entire military population. This section presents an overview of the survey, a discussion of its inherent strengths and weaknesses as they pertain to the analysis, and a description of the analysis samples. The following topics are addressed in turn.

- o Overview of the 1978 DoD Survey;
- o Description of the enlisted and officer samples;
- o Strengths of the DoD Survey;
- o Reliability of expected retention as a measure of actual retention;

2.1 Overview of the DoD Survey

The survey collected data from 57,540 persons who completed a mail questionnaire fielded during the first half of calendar year 1979.[1] The survey data consist of two samples -- officers and enlisted personnel. Each sample was stratified to obtain a sufficient number of observations according to:

- o Service;
- o Year of Service (YOS) (for enlisted personnel);
- o Pay grade (for officers);
- o Time remaining in enlistment contract (for enlistees with YOS less than 8 years); and
- o Sex, race (for enlisted personnel).

Two questionnaire forms were developed for each of the officer and enlisted samples to collect a wider range of information than possible with only one questionnaire form. The first set, Form 1 for enlisted and Form 3 for officers, focused on economic and labor supply issues. Forms 2 and 4 concentrated more heavily on the quality of military life. There is, however, considerable overlap between the two questionnaire variants in terms of the basic data collected. (See Hutzler and Doering (1980) for a description of the sample design, and Doering et al. (1981) for the user's manual and codebook.)

For the purpose of studying retention behavior, Forms 1 and 3 are the most relevant. Table 2.1 presents the number of enlisted and officer respondents by Military Service.[2]

Table 2.1

1978 DOD SURVEY: SAMPLE DISTRIBUTION BY SERVICE

(Forms 1 and 3)

Service	Enlisted	Officer
Army	5,062	2,005
Navy	6,508	2,822
Marine Corps	5,283	2,294
Air Force	4,712	2,511
DoD Total	21,565	9,632

2.2 Analysis Samples

Using Forms 1 and 3 of the DoD Survey we developed two analysis samples. The enlisted sample comprises individuals between YOS 2 and YOS 11 with less than one year until the expiration of their term of service (ETS). The officer sample consists of individuals from YOS 2 through YOS 8 who either have less than a year remaining in their present service obligation or do not face a service obligation.[3]

The limits on YOS are necessary for two reasons. First, data on individuals prior to YOS 2 are less valuable for retention analysis because of the high turbulence and attrition during the first year of service. Since our analysis focuses on individuals at ETS, the majority of personnel in YOS 1 are automatically excluded. In addition, most exits during this period are involuntary and driven by demand rather than supply. The DoD Survey does not distinguish clearly between these behavior catalysts. Second, retention rates become high and remain relatively constant after YOS 11 and YOS 8 for enlisted and officer personnel, respectively. Therefore, the most interesting retention issues from a policy perspective pertain to individuals before YOS 8 and YOS 11 because it is during this period that losses from the military are highest.

The analysis samples are rich in information, and when properly weighted, can be used to describe the military population at large. Table 2.2 presents some descriptive statistics of the enlisted and officer samples.

Table 2.2

SELECTED DESCRIPTIVE STATISTICS OF ANALYSIS SAMPLES

Characteristic	Enlisted Sample Number	(%)	Officer Sample Number	(%)
Demographic:				
Male	6944	89.87	966	66.44
Female	782	10.12	488	33.56
Black	1299	17.05	77	5.28
Nonblack	6319	82.95	1381	94.72
Service:				
Army	1781	22.88	400	27.44
Navy	2410	30.96	407	27.92
Marine Corps	1741	22.36	371	25.45
Air Force	1853	23.80	280	19.20
Occupation (Enlisted):				
Infantry, Seamen	914	13.21		
Electronic Repair	821	11.86		
Comm/Intell	618	8.93		
Medical/Dental	359	5.19		
Other Tech/Allied	170	2.46		
Elec/Mech Repair	1593	23.02		
Administration	1379	19.93		
Craftsmen	279	4.03		
Service/Supply	722	10.43		
Occupation (Officer):				
Tactical			391	37.03
Intelligence			34	3.22
Engineer/Maint			105	9.94
Medical			163	15.44
Scien/Profess			71	6.72
Supply/Procurement			157	14.87
Administration			135	12.78
SAMPLE SIZE:	7785		1458	

Note: Individual statistics may not sum to sample size due to missing data.

2.3 Data Strengths and the Measurement of Retention

The DoD Survey offers an unusually rich mix of demographic, economic, and attitudinal data on individual military personnel. Moreover, its size and representativeness permit valid statistical inference to the entire military population. Of particular interest for a study of retention are the following items:

- o Military compensation data on basic monthly military pay, allowances (BAS, BAQ), special pays and bonuses;
- o Individuals' tastes for the military versus the civilian sector are measured with respect to perceived job security, job location, supervisors and peers, and having a say in their work;
- o Expectations of the annual civilian wage individuals would receive if they were to leave the military today; and
- o Information on an individual's expected career length.

These data support estimation of an expanded ACOL model (developed in the next chapter). Although the importance of tastes in the stay-leave decision has been recognized in theory, the 1978 DoD Survey permits, for the first time, explicit estimates of the effects of tastes on retention.

The dependent variable is constructed from two survey questions that query individuals on their current YOS and their expected years of service when they finally leave the military (expected career length, ECL). The specific questions are:

Enlisted

YOS: "To the nearest year and month, how long have you been on active duty? (If you had a break in service, count current time and time spent in previous tours.)"

ECL: "When you finally leave the military, how many total years of service do you expect to have?"

Officer

YOS: "To the nearest year and month, how long have you been on active duty? If you had a break in service, count current time and time in previous tours. Count time spent at a military academy and prior enlisted service."

ECL: "When you finally leave the military, how many total years of service do you expect to have?"

The dependent variable (retention) is constructed by taking the difference between an individual's expected career length (ECL) and his current YOS. If this difference is equal to or greater than 1, the individual is classified as a stayer, otherwise he is considered a leaver. Since current YOS is measured in months while expected career length is measured in years, this procedure may result in a somewhat conservative estimate of retention. For example, an individual with 6 years and 3 months of current YOS, who intends to leave after one year (at YOS 7 years and 3 months), is forced by the Survey to answer the expected career length question in years (7 years). Thus, by our definition he would be classified as a leaver even though he expects to remain in the military at least one more year.

2.4 Reliability of Planned Retention Behavior

Analyses of economic behavior attempt to reveal systematic relationships between sets of independent characteristics (explanatory variables) and observed outcomes (dependent variables). However, in the DoD Survey, the data base is a cross-section of individuals who were on active duty when the survey was administered. It does not contain information on actual retention. Instead, the Survey queries individuals about their plans to remain in the military rather than recording their actual behavior. Respondents are not reinterviewed at a later point, nor does the Survey contain an identification variable to link actual behavior to earlier plans. An important problem is to gauge the reliability of this planned behavior as a predictor of unobserved outcomes.

This issue has been addressed in previous retention studies utlizing similiar data, and we draw upon these findings to support our own procedure. Hiller (1982) reviews the results of Brunner (1971) and Chow and Polich (1980) in his investigation of the relationship between intended and actual reenlistment. Brunner analyzed the actual versus intended behavior relationship for a sample of first-term, white airmen using the Air Force version of the 1964 DoD Survey and the 1969 Air Force Sample Survey. Using actual data from Airmen Retentions and Loss

Files she found that intentions, while highly correlated with actual behavior, tended to underestimate true reenlistment rates. As Hiller points out, however, Brunner's results cannot be applied directly to a more general retention analysis that examines with a more diverse DoD-wide population.

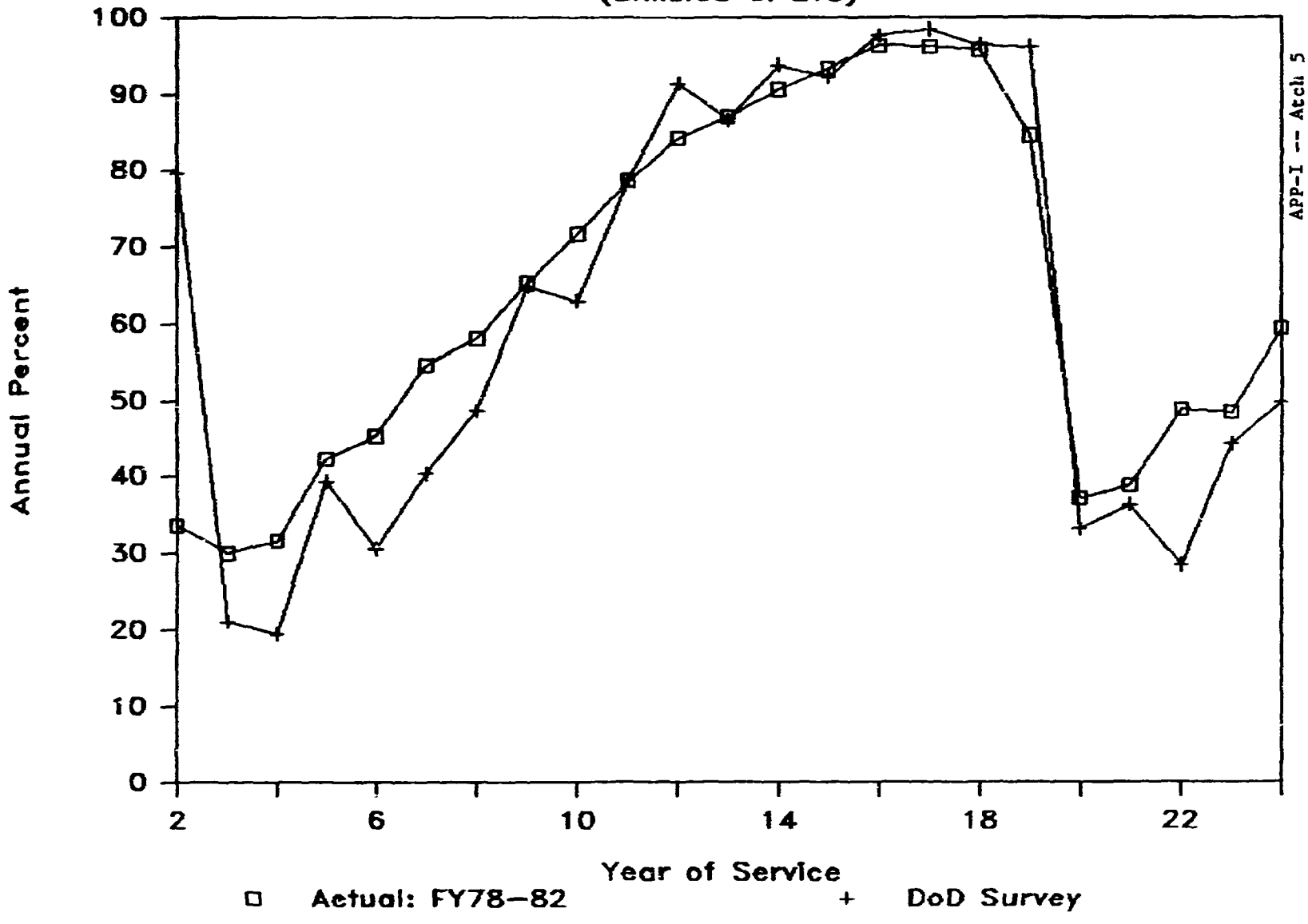
A more useful piece of evidence for our analysis is a study by Chow and Polich (1980). Using the 1976 DoD Survey of Officers and Enlisted Personnel, they compare intended behavior with actual first-term reenlistments gathered from the DoD Master and Loss Files for March 1977. Unlike the 1979 DoD Survey, the 1976 Survey recorded the Social Security numbers of the respondents which enabled Chow and Polich to match intentions with actual behavior on an individual basis. Their findings suggest a very high correlation between planned and observed behavior with respect to first-term reenlistment.

Hiller extends the Chow and Polich analysis by applying a more sophisticated multivariate procedure to the matched 1976 DoD Survey. He estimates a weighted least squares regression model with observed behavior as the dependent variable, and intentions, service, and two ETS categorical dummy variables as the explanatory variables. If Chow and Polich are correct, the intentions variable should have a highly significant coefficient close to one, with the other coefficients close to zero and statistically insignificant. His results support this hypothesis. Intentions has a coefficient of 1.09, which is statistically different from zero but not from one. Coefficients on the other variables in the model, including the intercept, are not statistically different from zero. Hiller concludes that intentions are quite accurate predictors of retention behavior, and in light of the zero coefficient on the intercept, that planned behavior is directly proportional to observed behavior.

Actual retention data from the period of the survey provide a further check on the accuracy of the DoD Survey measure of retention. We can compare calculated retention (continuation) rates from the survey with actual retention (continuation) rates for both enlisted and officer personnel from data supplied by the Defense Manpower Data Center (DMDC). The DMDC data are 5-year average retention (continuation) rates for the 1978-82 period. Figures 2.1 and 2.2 illustrate this comparision for all enlisted and all officer personnel, respectively. The DoD Survey measure corresponds quite closely with actual retention (continuation) rates. Note that the DoD Survey measure is for planned behavior in 1979, a year when actual retention was below the 5-year average. These figures also illustrate the relatively high and stable retention patterns beyond YOS 11 and YOS 8 for enlisted and officer personnel, respectively. This supports our decision to restrict the analysis samples to these intervals.

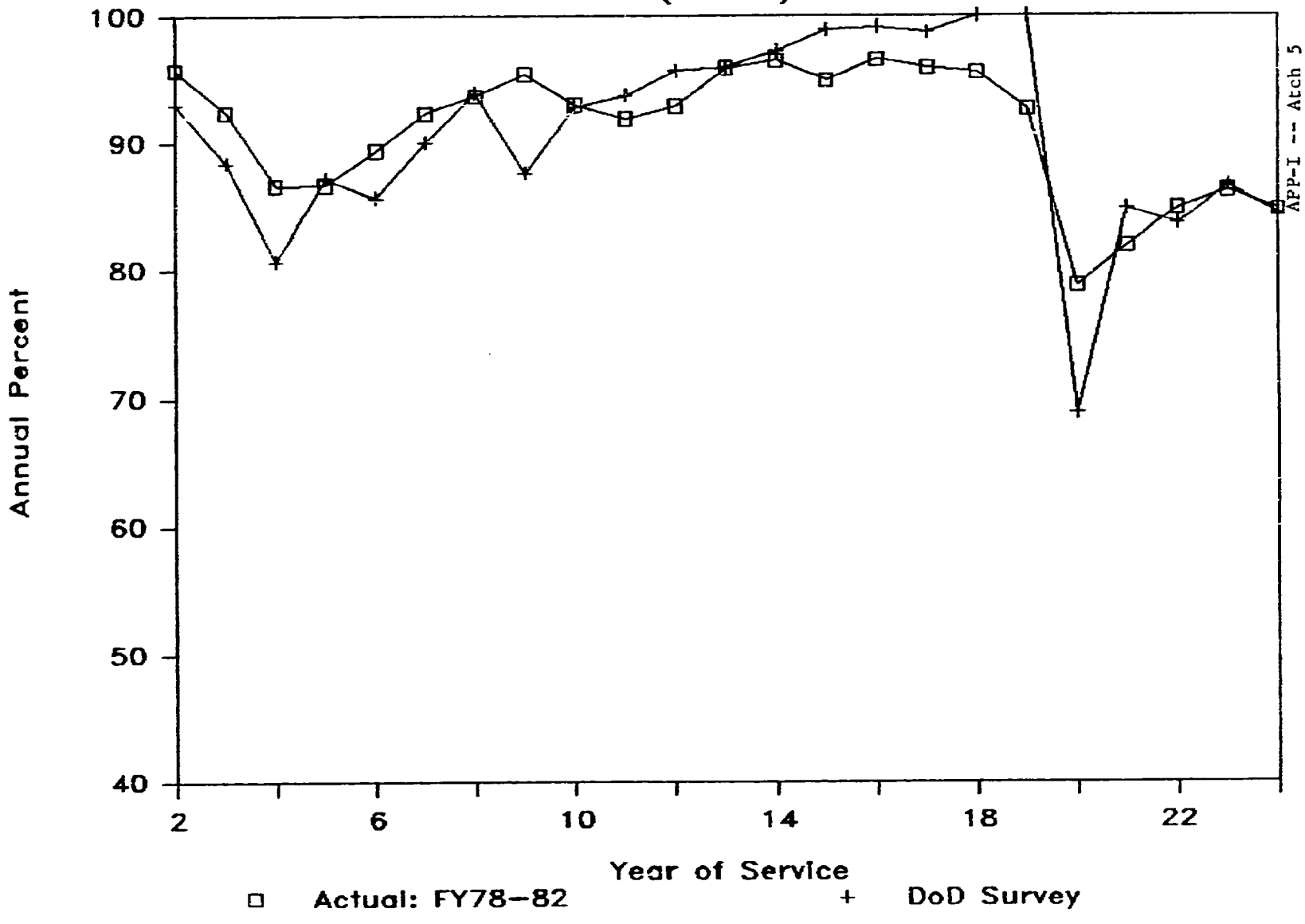
2.1 Retention Rates by YOS

(Enlisted at ETS)



2.2 Continuation Rates by YOS

(Officer)



Notes

1. The 57,540 completed questionnaires represents a completion rate of 62.2 percent, a response rate that exceeds the original sampling requirements by over 5 percent.

2. Because the DoD Survey is a stratified random sample, sampling weights must be applied to the sample observations to obtain valid military estimates.

3. Because retention varies substantially by occupation, and determining this relationship is an important part of the analysis, the samples exclude personnel whose DoD occupational grouping at the time of the survey was "non-occupational" (DoD 1-digit grouping of 9). The YOS 8 cutoff also excludes officers of General or Flag rank from the sample.

3. ANALYSIS FRAMEWORK

This chapter provides a conceptual overview of an individual's decision to leave or stay in the military. Section 3.1 begins with a brief review of the ACOL model that defines the analytical tools used by the QRMC in evaluating military compensation policies. The operation of the ACOL model is described, several key features are noted, and estimation procedures, along with representative empirical findings, are presented. As described in Section 3.2, the retention model used in this research is a derivative of the ACOL methodology. Important differences between the two are noted in the text. The conceptual model is used to specify the estimating equations and to interpret the estimated coefficients.

3.1 Annualized Cost of Leaving Model

Retention models focus on an individual's stay-leave decision that is governed by the objective of maximizing lifetime returns. The concept of "returns" includes both the pecuniary salaries, wages, and benefits as well as job satisfaction and other nonpecuniary returns. Returns include both future and current compensation. These models are an outgrowth of the job search and quit literature that has developed optimal decision-making rules. Retention models such as ACOL construct a stay-leave criterion from a comparison of the returns associated with the military with the expected returns currently available in the civilian sector.

The empirical implementation of the ACOL model has focused almost exclusively on financial incentives, with modest control for Service identity, occupational status, and a few demographic characteristics. Tastes, along with other excluded factors, are subsumed in a random disturbance term, which is assumed to have a logistic distribution. A primary analysis objective is to examine the potential biases resulting from omitting other variables from a formulation of tastes.

In a retention context, the stay-leave decision is based on three primary considerations:

- Relative comparison of expected returns to remaining in the military versus those associated with civilian employment;
- Calculation of respective present values of the income streams associated with military and civilian employment; and
- Assumption of an unobserved taste or preference for civilian versus military service that has a logistic distribution (S-shaped curve bounded by Ø and 1).

The relationship between compensation and individual stay-leave decisions is developed below (see Enns, Nelson, and Warner, 1983, for documentation). A worker contemplating an employer change will evaluate both the returns to leaving that job (RL) and the returns to staying (RS). An individual will remain in the military only if there is at least one period of additional service over which

$$RS - RL > \emptyset. \qquad (1)$$

The economic problem confronting an individual is to choose the option that offers the greatest expected lifetime return.

The returns to staying (RS) consist of income earned during the current and some future period of service, plus the returns to leaving thereafter. The returns to leaving (RL) include (1) the highest earnings currently available outside the military, (2) any deferred income payable upon leaving the military, and (3) the taste preference for civilian versus military employment.

The ACOL model first determines the period of additional service, s*, that maximizes the returns to staying, RS(s*). This yields the highest return derived from serving for s* more years, and from post-service employment after the s* period. Second, the model compares RS(s*) with the returns to leaving immediately, RL. An individual will remain in the military at least one more year only if RS(s*) > RL.

The model is made operational by specifying that individuals compare (1) the present value of the financial cost of leaving over each possible future period of service with (2) the present value of their yearly taste for private sector versus military employment over the relevant planning horizon. For each possible length of continued service, the financial cost of leaving, COL, is the sum of:

- Present value of active duty military pay; plus
- Incremental increase in the present value of retirement pay over the planning period; minus
- Present value of foregone civilian earnings; minus
- Present value of reduced post-military civilian earnings growth due to remaining in the military for "s" additional years.

Individuals remain in the military only if there exists at least one span of future service over which the present value of the financial cost of leaving, COL, exceeds the present value of their yearly taste for civilian versus military employment, T:

$$COL(s^*) - T > \emptyset. \qquad (2)$$

The stay-leave criterion stated in expression (2) is identical to that in expression (1), except for the rearrangement of terms. In particular, subjective taste factors are represented separately in the second expression. This is useful for specifying a statistical function to estimate the model's parameters. In addition, the financial RS and RL terms have been combined into a first-difference form.

The ACOL model operates by converting the COL value into an annuity paid over "s" years at a given discount rate. The annualized cost of leaving variable, ACOL, is used in the empirical model as the financial incentive motivating behavior. The ACOL value is preferable to the COL value because it standardizes over varying lengths of future service. Hence, two or more income streams that are defined over different planning horizons can be compared because their annualized present values are independent of the length of the planning horizon.

Predicting retention under different compensation systems requires estimation of the military labor supply function. According to expression (2), individuals at the margin between staying and leaving are those for whom the taste variable, T, is just equal to ACOL. Let F(T) represent the taste distribution among a population with otherwise identical characteristics. If the distribution is assumed to be logistic, then the likelihood of staying is equal to

$$P(\text{staying}) = \frac{1}{1 + e^{-[a + b\text{ACOL}(s^*)]}} \qquad (3)$$

where e: expotential function
a,b: parameters to be estimated.

The model has been estimated with cross-section data on enlisted personnel. Group sample observations generally are defined by Service, occupation, and year of service. Prior to the analysis being conducted by the Fifth QRMC, however, the majority of previous empirical work has concentrated on Navy enlisted personnel using grouped data. An exception is the work by Enns, Nelson, and Warner(1983), who estimate an average DoD-wide pay elasticity of 2.7 for enlisted personnel at YOS 4 and 1.8 at YOS 8. The derived pay elasticity continues to decline with YOS, suggesting a growing commitment to the military as experience increases.

3.2 Analysis Approach

The preceding discussion provides a general framework in which the empirical model is derived. Although our model is consistent with the ACOL approach, it differs in several important respects. Below, we elaborate on five key differences between the conventional ACOL model and the specification used in this analysis: (1) construction of the ACOL variable, (2) decomposition of ACOL, (3) explicit control for

military tastes, (4) inclusion of nonmonetary factors, and (5) model estimation for major military subgroups generally omitted by previous research.

ACOL Construction. As noted earlier, ACOL is based on that period of continued service for which the returns to staying are maximized. RS(s*) is found by computing RS for all possible future service intervals and then selecting the highest value. The financial returns to leaving are then subtracted from RS(s*) to obtain COL, which in turn is transformed into an annuity equivalent, ACOL.

This iterative procedure has theoretical merit; but in practice, the ACOL values associated with various employment intervals are highly correlated. Warner and Goldberg (1982) find correlations in excess of 90%. Further, they find that for enlisted personnel at ETS, the service interval that maximizes ACOL is either 4 additional years, or the remaining time to YOS 20. The period associated with the highest ACOL is found to depend on the assumed discount rate. For a 20% rate, the maximum ACOL value is based on a 4-year interval; for a 10% rate it is based on service to 20 years.

These results have useful implications for our analysis. They suggest that a simpler procedure for calculating ACOL should produce similar results, both in terms of measuring ACOL and in estimating its effect on retention. If alternative ACOL values are highly correlated across different service periods, then using a single period of future employment may suffice. This observation, however, must be qualified by the following points:

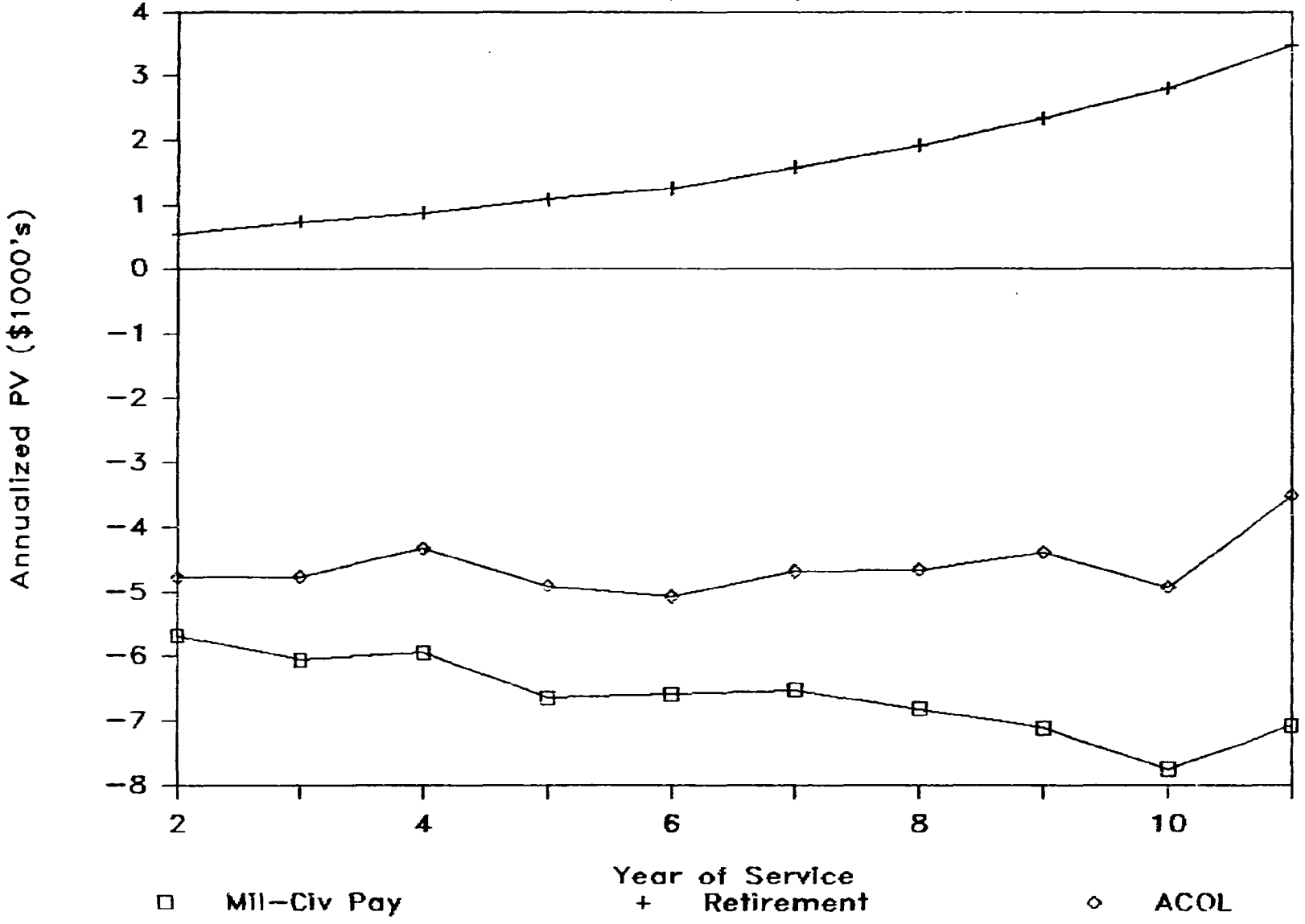
- The Warner-Goldberg finding implies that the earnings profile for service members is dominated by two financial spikes -- availablity of reenlistment bonuses, and expected retirement benefits.

- The financial spikes constitute two local maxima and the algorithm that searches for the greatest ACOL over all possible service lengths will tend to select one or the other depending on the assumed discount rate. as the intervening time to YOS 20 shortens, however, the discount rate plays a smaller role as the increasing magnitude of the retirement annuity pulls the algorithm to YOS 20.

Figures 3.1 and 3.2 depict two key findings about the ACOL variable. First, growth in ACOL over YOS is driven primarily by the increasing present value of retirement benefits. Second, the difference between military and civilian earnings remains quite stable across YOS. With increasing work experience, military earnings rise, but their growth is more than offset by a similar increase in civilian earnings potential.

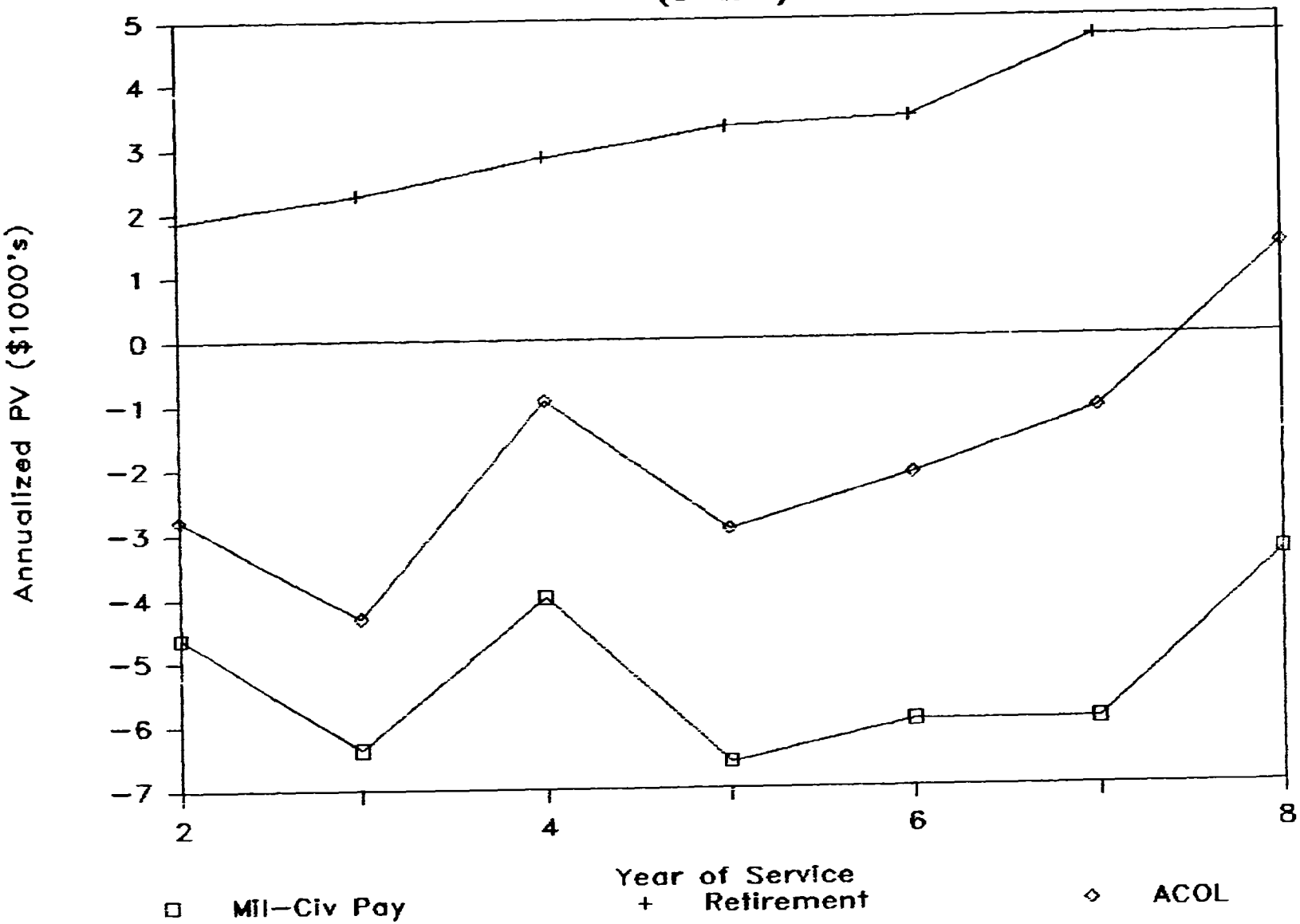
3.1 ACOL Components by YOS

(Enlisted)



3.2 ACOL Components by YOS

(Officer)



These results are documented in the QRMC's analysis as well as in our survey data file. Related findings hold for the civilian sector where analysts find that cross-section differences in pay across workers tend to persist over time (Lillard and Weiss, 1979).

The above findings underlie our procedure for constructing an ACOL-type variable. The procedure consists of four steps.

First, the difference between current military pay and expected civilian earnings is calculated for each individual in the sample. We simplify matters by using basic military pay rather than including allowances and tax benefits for in-kind benefits. We constructed measures incorporating reported special pays and allowances, but the model performed better without them, possibly because of reporting errors in the survey.

The current pay differential does not reflect the impact of continued military service on subsequent civilian earnings, nor does it allow for different growth rates in earnings between the two sectors. There is little empirical evidence on the former effect; the latter does not appear to be substantial and little measurement distortion is expected. We do, however, encourage further inquiry into both of these phenomena.

Second, selective reenlistment bonuses (SRBs) are assigned to individuals in the sample using Service-specific policies in effect during the second half of FY1979 (data provided to us by the Office of the Assistant Secretary of Defense for Manpower, Reserve Affairs, and Logistics). Each member's eligibilty status and bonus multiplier are determined by Zone and occupational specialty. Bonus amounts are a function of basic pay as reported in the DoD Survey data, and an expected 4-year reenlistment period. Lump-sum bonus payments became effective April 1979 and our calculations are based on that change. Finally, a 4-year annuity is created from the lump-sum amount to provide a measure comparable to the annual pay variables.

Third, an annualized present value of potential retirement benefits is calculated. Enlisted personnel are assumed to retire at an E-7 paygrade and officers at O-5. In both instances, retirement at YOS 20 is presumed. Depending on an individual's age at retirement, an average life expectancy (age 77 for officers and 74 for enlisted personnel) is used to determine the probable number of years over which benefits would be received (based on lifetime expectancies from the FY1982 DoD Statistical Report on the Military Retirement System). Benefits are discounted back to each individual's current YOS using personal discount rates estimated by Black (1983). The before-tax present value is then converted into an annuity for the remaining time to YOS 20.

Fourth, the three primary components are combined into a single term. This variable is referred to below as ACOL, although it is

technically different from its theoretical antecedent. We believe, however, that the two are highly correlated because the essential ingredients are included in our simpler measure. Weaknesses inherent in our ACOL variable include: (1) the absence of accurate measures of allowances, special pays, and in-kind benefits; (2) the failure to correct for taxes and tax benefits; and (3) the lack of control for long- term effects of continued service on future civilian earnings.

ACOL Components. Individuals are theoretically indifferent between sources of income after controlling for differences in risk and timing. Therefore, the empirical specification of a single monetary incentive variable, ACOL, is appropriate. However, there are reasons why decomposition of ACOL is warranted. First, variation in military-civilian pay differences is quite limited in a cross-section data file. Although military pay rises with YOS, the civilian earnings profile tends to move in concert. Therefore, the observable difference between the two remains fairly constant over YOS. A rising retention rate combined with a flat pay differential across YOS results in a low correlation between the two.

To observe a systematic relationship between current pay differentials and retention, time-series data should be used, preferably a pooled cross-section time-series file. The implication for a cross-section analysis is that the estimated effect of ACOL on retention is due primarily to compensation factors other than current pay differentials. The most likely sources are bonuses and expected retirement benefits. Therefore, we decompose ACOL into three elements:

- Pay Difference (current military basic pay minus expected civilian earnings);
- Annualized Present Value of Bonus (lump-sum SRB payment for eligible enlisted personnel specified as a 4-year annuity); and
- Annualized Present Value of Retirement Benefits (an annuity calculated for the interval of YOS 20 minus current YOS).

The empirical analysis examines the effects of using a single ACOL variable versus its three components.

A second reason for decomposing ACOL is to examine the specific influence of the current retirement system on retention. This analysis approach permits a more detailed investigation that is particularly important for an evaluation of alternative retirement plans. Moreover, this approach allows for differential retention responses with respect to income sources.

Tastes for the Military. Manpower experts agree that individuals' tastes for the military play a crucial role in the stay-leave decision. Despite the acknowledged importance of tastes, this subjective factor

has eluded researchers in their empirical analyses of retention behavior. The relevance of tastes to manpower and compensation policy stems from its link to "selectivity". This concept refers to the process whereby individuals tend to sort themselves in or out of the military according to their preferences for military versus civilian employment, other things equal. Hence, we expect that tastes for the military of a younger YOS group will be lower and display greater variation, on average, than those of an older group.

Because of this sorting process, estimated retention models that exclude tastes may be erroneous. The estimated coefficient on ACOL may be biased if the omitted taste factor is correlated with retention as well as with ACOL. Given the rise in ACOL with YOS (due to an increase in the value of expected retirement benefits), and the anticipated rise in tastes (due to self-selection), both conditions are likely to be met. If so, misleading policy predictions may result because of the biased ACOL coefficient.

If a major change in compensation policy were contemplated, predictions of the force implications would hinge on the resulting change in the taste distribution. If the taste distribution changes substantially from what currently exists, then predictions based on previously estimated retention models may be in error. A large portion of the forecast error may consist of the independent effect of tastes on retention (a shift effect), in addition to its effect on the ACOL-retention relationship (a slope effect). To investigate these possibilities, our analysis explicitly controls for individual tastes for military versus civilian employment.

The approach taken in this analysis is quite different from the empirical specifications of earlier ACOL models. The ACOL literature, however, does address the role of tastes in developing theoretical models of retention. For persons "at the margin" between leaving and staying in the military (a zero ACOL value), retention is assumed to vary according to unobserved tastes. This variation in the probability of staying is given by the tastes component which is assumed to have a logistic distribution. This provides a rationale for using a logistic function to specify the estimating equation. However, it does not yield estimates of the taste effect on the ACOL coefficient, nor does it eliminate potential omitted variable biases. The inclusion of tastes in a retention model is not inconsistent with the ACOL methodology. Rather, it is a function of data availability. As described in Chapter 2, the DoD Survey contains a limited range of data that supports exploration of this influential factor.

The 1978 DoD Survey queries individuals on the merits of their current military job versus a job in the civilian sector. Respondents are asked to indicate, on a scale of 1 to 5, how they believe a civilian job would compare to their current military assignment on 13 specific work conditions, most of whic are nonmonetary job attributes. We confine our attention to the nonmonetary attributes (see Appendix A for a

description of all 13 variables). Because these variables measure nonpecuniary job satisfaction relative to perceived opportunities available in the civilian sector, they can be used to measure individuals' tastes for military versus civilian employment. While an individual's taste for military life is undoubtably influenced by factors that are not job-related, we believe these measures offer a first step toward an understanding of the role of tastes in the retention decision.

Auxiliary regressions, including all nonmonetary job attribute variables, were estimated for both the officer and enlisted samples. The statistically significant predictors of retention were used to develop a single taste index. The responses to the included variables for each individual were averaged to obtain the composite. Unreported regression results show this index to perform about as well as when the variables were entered separately. We feel that the composite is a useful proxy for the unobserved concept of nonpecuniary job satisfaction.

Table 3.1 reproduces the survey question pertaining to individuals' relative job satisfaction along with the seven nonpecuniary work conditions. An X signifies that the attribute was significantly related to retention. These attributes were used to create the taste index for officer and enlisted personnel.

Table 3.1

VARIABLES USED TO CONSTRUCT COMPOSITE TASTE INDEX

Question: "If you were to leave the service NOW and take a civilian job, how do you think that job would compare with your present military job in regard to the following work conditions?"

Work Conditions	Enlisted	Officer
Immediate supervisors		X
Having a say	X	X
Interesting work	X	
People I work with		
Work schedule		
Job security	X	
Job location	X	X

Personal Characteristics. This analysis exploits the rich data contained in the 1978 DoD Survey. Some of the personal characteristics used in our analysis are quite common: sex, race, age, and education. Others, however, are relatively new:

- o Marital Status - Single, Divorced/Widowed/Separated, Married.
- o Spouse Employment - Armed Forces, Civilian Job, Not Working.
- o Financial Assets - Liquid Assets, Nonmortgage Debts, Homeowner.
- o Military Tastes - Overall Index, Components.

We find that most of these factors play a significant role in the retention decision. The estimated relationships are discussed in Chapters 5 and 6.

Military Characteristics. The empirical analysis also controls for variation in military factors, including:

- o Service Affiliation - Army, Marine Corps, Air Force, Navy (ship assignment), Navy (no ship assignment); and
- o Occupation - Occupational specialties identified by a 1-digit DoD occupation code.

These variables not only control for retention differences across Services and occupations, but the estimated coefficients on these factors are themselves important in isolating where the problem areas lie.

Figures 2.1 and 2.2 showed that retention rates increase with YOS. The same finding holds for term of service. The first stage of our empirical analysis creates a combination variable measuring both enlistment term and receipt of bonus. The Term-Bonus variables have the following breakdown:

1st Term-Enlistment Bonus Received
1st Term-No Enlistment Bonus Received
2nd Term-Reenlistment Bonus Received
2nd Term-No Reenlistment Bonus Received
3rd Term-Reenlistment Bonus Received
3rd Term-No Reenlistment Bonus Received.

Other things held constant, the coefficients on these variables should increase with term of service (i.e., individuals in their third term of service should exhibit higher retention rates than personnel in their second term, and so forth). Moreover, individuals who did not receive an enlistment or reenlistment bonus should have a lower retention propensity than others.

The analysis also examines the effect of controlling directly for

YOS rather than the above Term-Bonus combination. The results of this alternative specification are discussed in Chapter 5.

Military Population Groups Analyzed. The retention model is estimated separately for officers and enlisted personnel, one of the few instances in which officer retention behavior has been examined. The estimation results permit comparisons between officers and enlisted personnel.

We estimate a DoD-wide model and separate models for enlisted personnel in each of the four Services. The DoD Survey, however, does not contain enough observations between YOS 2 and YOS 8 to support separate Service estimation for officers.

4. MODEL ESTIMATION

This chapter provides an overview of the specification and statistical techniques used to estimate the empirical model. The discussion is divided into three parts:

- o Model Specification -- three alternative specifications to test competing hypotheses;
- o Estimation Techniques -- logit model used to estimate the retention probability models; and
- o Statistical Constructs -- procedures used to calculate the partial effect of explanatory variables and the construction of retention elasticities.

4.1 Model Specification

The empirical analysis addresses three major issues: (1) the effect of a single ACOL variable on retention versus the separate effects of the ACOL components, (2) the role of non-compensation factors as determinants of retention, and (3) the influence of tastes for the military versus the civilian sector on retention. Three different models are specified in order to assess the relative importance of each of these issues:

- o Model 1 - Personal and Military Characteristics
  Term of Service and Past Receipt of Bonus
  Single ACOL Variable.
- o Model 2 - Personal and Military Characteristics
  Past Receipt of Bonus
  Three ACOL Components.
- o Model 3 - Personal and Military Characteristics
  Past Receipt of Bonus
  Three ACOL Components
  Tastes for Military Versus Civilian Employment.

The chief difference between the first two models is the substitution of ACOL components for the single ACOL variable. Model 3 builds on Model 2 by adding tastes to the estimating equation.

The results from Model 1 are used to discuss the relationships between retention and the Term-Bonus variables, and ACOL. The estimated coefficients of Model 2 are used to evaluate the gains in predictive power resulting from a decomposed ACOL approach, as well as to pinpoint

the separate impact of the retirement system on retention. The discussion then focuses on the implications of including taste in Model 3. Interpretation of the role of personal and military factors also is based on Model 3.

4.2 Estimation Technique

The retention model is developed to predict the probability of staying in the military for at least one more year. We use data on planned retention to construct a binary dependent variable that equals 1 for a positive stay decision and Ø otherwise. This dichotomous variable is used to estimate the influence of independent variables on the (continuous) probability of staying in the military.

In order to estimate the parameters of the model we use the logistic distribution that relates the expected probabilities to the exogenous variables according to:

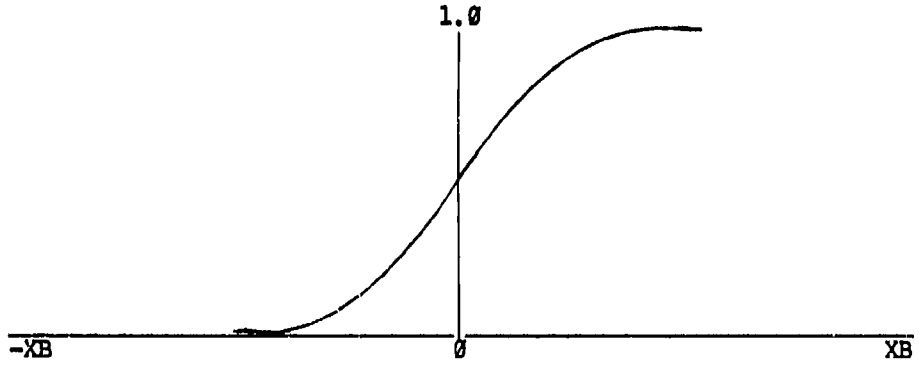
$$P(\text{staying}) = \frac{1}{1 + e^{-XB}} \qquad (4)$$

where X is a vector of explanatory variables as described in Section 4.1; B is a vector of model parameters to be estimated; and "e" is the exponential function raised to the -XB power. The logistic distribution is similar to the probit, differing primarily in the rate at which they approach the limiting values of Ø and 1.

The logistic distribution describes the following S-shaped curve.

Figure 4.1

THE LOGISTIC DISTRIBUTION



As XB goes from $-\infty$ to $+\infty$, this distribution ranges from Ø to 1. Thus, while the probabilities are bounded for each individual, the XB are not.

The parameters of the model are estimated by applying maximum-likelihood techniques to the specified equation. The objective of this procedure is to estimate the unknown parameters of the probability function that maximize the likelihood of observing the actual pattern of expected stay-leave decisions. The maximum-likelihood estimators are consistent and asymptotically efficient (see Theil, 1971, pp.392-396 for a proof of these results). The LOGIST procedure available in the Statistical Analysis System (SAS) software package is used to estimate the model. This procedure computes maximum-likelihood estimates iteratively using the Newton-Raphson method.

4.3 Statistical Constructs

Because the logistic function is nonlinear, the effect of a change in one of the exogenous variables on the dependent variable (retention) cannot be discerned directly from the estimated coefficients. To find this effect we differentiate equation (4) with respect to X.

$$\frac{\partial P}{\partial X} = \frac{\partial [1 + e^{-XB}]^{-1}}{\partial X}. \qquad (5a)$$

After manipulation (see Hanushek and Jackson, 1977, pp. 188-189 for a derivation of the intermediary steps), we are left with a fairly simple expression relating changes in the exogenous variables to changes in the expected retention probabilities.

$$\frac{\partial P}{\partial X} = B * P\,(1 - P). \qquad (5b)$$

Equation (5b) represents a vector of first partial derivatives that, when properly evaluated, illustrate the effect of changes in the exogenous variables on the expected retention probabilities. Their interpretation is similar to that of estimated coefficients from a linear regression equation.

Logit Coefficients. Unlike a linear regression model, however, the influence of a logit coefficient depends on where it is evaluated with respect to the distribution of the dependent variable. Its effect is contingent on the value of P which, in turn, depends on the values of the other exogenous variables in the model. (This can be shown analytically by taking the second partial derivative of P with respect to X. See Hanushek and Jackson, 1977, p. 189.) This type of estimation procedure automatically allows for interaction between the exogenous variables. This makes sense since, unlike a regression equation, our

hypotheses in a logit environment are concerned with the explanatory power of different specifications of the model. Tests of significance for particular variables, or groups of variables, are conducted using Chi-square rather than t-statistics, and the explanatory power of a particular model specification (e.g., Model 1 versus Model 2 versus Model 3) is evaluated in terms of an overall model Chi-square rather than an R^2 statistic.

Note that the largest partial derivative for a logit coefficient occurs in the neighborhood of P=.5. This suggests that the influence of an independent variable diminishes as the expected probability of retention approaches either Ø or 1.

In the results presented in Chapters 5 and 6, we have transformed the estimated logit coefficients according to equation (5b). This should assist in drawing inferences from the empirical models. The mean probabilities used in the transformations are also noted to permit recalculation of other partial effects under different retention assumptions.

Elasticities. The partial derivatives obtained from the above procedure are used to calculate retention elasticities with respect to military compensation and tastes. Elasticities are dimensionless numbers, standardizing across variables with different units of measure. Elasticities measure the percentage change in one variable (retention) in response to a given percentage change in another (compensation or tastes).

$$\text{elasticity}_{xp} = \frac{\partial P^*}{\partial X} [\, \bar{X} / \bar{P} \,]. \qquad (5)$$

where $\bar{P}$ and $\bar{X}$ are group means. Elasticities may be evaluated for the entire population or for specific subgroups. We have done both and the results are discussed in the following two chapters.

5. ANALYSIS OF RETENTION: ENLISTED PERSONNEL

This chapter investigates the factors that encourage and discourage retention among enlisted personnnel with 2 to 11 years of service. This period is of special interest to force planners because it encompasses the time during which individuals are most involved in decisions to extend, reenlist, or exit from the military.

The presentation of results is divided into three parts: (1) effects of compensation on retention; (2) role of tastes for the military versus civilian employment; and (3) influence of personal and military characteristics on individual stay-leave decisions. The findings discussed below are based on a DoD-wide retention model; Service-specific results are presented in Appendix D.

5.1 Compensation Effects

Our analysis looks at how ACOL affects retention decisions by decomposing it into its principal components: current pay differentials, potential military retirement benefits, and expected reenlistment bonuses. The analysis also examines how retention differs among those who did and did not receive a bonus during their current term of service.

Table 5.1 contains estimates of the effects of compensation on the probability of staying at least one more year in the military. The table presents the partial derivatives on retention rather than the logit coefficients, for reasons discussed in Chapter 4. These findings are based on a retention model that controls for variation stemming from other sources such as personal and military-related characteristics. Discussion of these latter variables is postponed for subsequent sections and for Table 5.5.

Enlistment Term and Prior Bonuses. Model 1 estimates the effects of the Term of Service-Prior Bonus variables. The results substantiate previous findings that the likelihood of retention (1) rises with term of service and (2) is lower among those who received a bonus during their current term. Controlling for other interpersonal differences, retention probabilities are 20 to 30 percentage points higher among second termers, and 40 to 50 percentage points higher among third termers than among persons in their initial term of service. The results also reveal considerable variation within each term of service group. Warner and Goldberg (1982) found similar differences in their study of Navy enlisted personnel. Our results suggest that the same phenomenon is operating across all four Services.

TABLE 5.1

ESTIMATED COMPENSATION EFFECTS ON ENLISTED RETENTION

Variable	Model 1	Model 2
TERM-PRIOR BONUS		
(Term 1-bonus)	(reference)	
Term 1-no bonus	-.0457**	
Term 2-bonus	.2067***	
Term 2-no bonus	.3068***	
Term 3-bonus	.4200***	
Term 3-no bonus	.5484***	
PRIOR BONUS		-.2067***
ACOL	.0048***	
ACOL COMPONENTS		
Current Pay Diff (Mil-Civ)		.0022
APV(Expected SRB)		.0087
Eligible for SRB		-.0261
APV(Retirement Benefit)		
for the Army		.6615***
for the Navy(ship assignment)		.3859***
for the Navy(no ship assignment)		.6078**
for the Marine Corps		.5096***
for the Air Force		.8498*
Model Chi-Square	1107***	2275***
Sample Size	6506	6506

* denotes significance at the 10% level.
** denotes significance at the 5% level.
*** denotes significance at the 1% level.

There are two complementary explanations behind the negative effect of prior bonuses on subsequent retention. First, bonuses tend to attract those who would have ordinarily left the military because of their subjective preferences for civilian employment. Second, individuals may choose to exit because of better pecuniary opportunities in the private sector, but the availability of bonuses offsets this relative advantage. Indeed, this is the rationale for the bonus program. Therefore, bonus recipients have better outside opportunities. Individuals induced to remain in the military because of a bonus will, other things equal, be less likely than others to stay beyond their current term.

Another version of Model 1 included YOS and Prior Service as separate explanatory variables. The unreported results show the same positive relationship between retention and time in service. However, the overall explanatory power of the original specification is more significant. This suggests that retention decisions coincide more closely with term of service than with YOS, or that the probability of staying changes in a nonlinear way across years of service.

The Term of Service-Prior Bonus variables are not included in Model 2 as indicated in Table 5.1. Rather, the receipt of a bonus is measured by a categorical variable which continues to display a negative effect on retention. The major reason for dropping the combination variables is that Term of Service is highly correlated with both YOS and the Annualized Present Value of Retirement Benefits variable. The latter two are closely linked, and both move in tandem with Term of Service. Hence, to minimize multicollinearity, Term of Service is omitted from Model 2.

Annualized Cost of Leaving (ACOL). A key element in Model 1 is the ACOL variable, which measures the annualized cost of leaving the military for each individual (Chapter 3 details its construction). ACOL combines into one variable the difference between current military and expected civilian pay, the annualized present value of SRBs for which a person is eligible, and the annualized present value of retirement benefits if an individual were to serve for 20 years and then retire.

The estimated effect of ACOL on retention, while statistically significant, is quite small compared to previous analyses using grouped data. The pay elasticity implied by our results is .11 which is of negligible importance. This finding is somewhat surprising in light of prior research that estimates a military pay elasticity of about 2.0 (Enns, Nelson, and Warner, 1983). One explanation for our finding is that the value of ACOL calculated for individuals in the DoD Survey is dominated by large expected civilian earnings relative to military pay. The average ACOL is about minus $5000; the average pay difference is minus $6000; and the average annualized present value of retirement benefits is approximately $1000. We believe that previous estimates of ACOL calculated current pay differentials that hovered around zero.

The large difference between military and expected civilian earnings in our data may reflect widespread dissatisfaction with low military pay raises during the late 1970s. Ordinarily, we would expect a measure of expected earnings reported by individuals to be a more accurate gauge of civilian opportunities than an imputed variable based on a simple human capital model. If civilian job expectations are influenced by dissatisfaction with military pay, however, it is quite possible that the DoD Survey measure is in error. This would, in turn, affect the estimated coefficient on the ACOL model used in this analysis. One way to circumvent this problem is to split ACOL into components in order to isolate the potential errors in measurement

problem.

Decomposition of ACOL. An important objective of the analysis is to ascertain the elements in ACOL that underlie its positive relationship with retention. This is particularly germane for predicting the force structure effects of a major change in the current retirement system. Enns, Nelson and Warner (1983) illustrate the rise in the maximum calculated ACOL variable over YOS (see Appendix B for graph). Although the increase is quite modest for the YOS 2-11 interval examined in this study, the change in ACOL is driven primarily by the growth in the annualized present value of retirement benefits, APV(Ret), as YOS increases. The Fifth QRMC has confirmed this fact and has also found that estimated current pay differentials remain fairly constant across years of service. This suggests that the ACOL-retention linkage is essentially an APV(Ret)-retention relationship. To test this hypothesis we must decompose the ACOL variable into its components.

Model 2 replaces the single ACOL variable with its three components. In addition, Model 2 includes Service-APV(Ret) interaction terms that capture how the APV(Ret) effect for each Service differs from the Army. The coefficients on the interaction terms are used to construct Service-specific effects that are presented in Table 5.1. Note that the measures of statistical significance continue to reflect the respective differences in the APV(Ret) effect between each of the Services and the Army (the reference group). Other components of ACOL were found to be of minor importance and varied little across Services.

The current military-civilian pay differential has an effect on retention that is statistically significant, but of very small magnitude. An alternative pay differential was created by adding special pays and allowances to military pay. This raised the value of current military compensation and increased the average military-civilian pay differential. However, this alternative generally changed the pay differential by a constant amount and did not affect its coefficient. Moreover, its estimated impact on retention was even less significant than the former measure.

One problem is that misperceptions of civilian pay opportunities may bias the estimated coefficient toward zero. A second stems from the nature of the cross-section data used in the analysis. As discussed in Chapter 3, the earnings profiles for both military and civilian pay are quite similar in shape, although the latter tends to lie above the latter. This implies that differences between the two will not exhibit much variation over YOS. This fact, combined with a rising retention rate, results in a low correlation between the two at a given point in time (i.e.,in a cross-section data file).

In order to obtain a clearer view of this relationship, time-series data are needed to provide sufficient variation in the pay differential to support analysis of its effect on changes in retention patterns over time. Therefore, a cross-section file is not well suited

for estimating how current military pay affects the retention behavior of individuals. This also implies that previous ACOL estimates probably reflected the influence of other compensation factors, namely the potential value of future retirement benefits embedded in ACOL.

The Annualized Present Value of Selective Reenlistment Bonus variable, APV(SRB), has an estimated impact that is small in size and statistically insignificant. A dummy variable denoting eligibility for an SRB is also included in the equation; only a third of the enlisted force in the DoD Survey has a positive APV(SRB) value. After controlling for Service, occupational specialty and other characteristics, there does not appear to be a systematic relationship between retention and SRB eligibility or its conditional annualized value.

This finding, however, may be misleading. The bonus program is designed to offer financial inducements to personnel in areas experiencing retention problems. Hence, we would not be surprised to observe a negative relationship between SRBs and retention. This is because the SRB variable is capturing demand-side effects (force management) as well as supply-side responses to financial incentives. The two will tend to offset one another. Despite the availability of bonuses, our results indicate that some occupational areas were having difficulty in retaining personnel in 1979.

The most interesting finding concerns the estimated relationship between retention and the Annualized Present Value of Retirement Benefits, APV(Ret). This form of delayed compensation has a dominating effect. An increase in APV(Ret) is estimated to raise the probability of staying in the military. Note that APV(Ret) is measured in thousands of dollars, so that a $100 increase, which reflects about a 10% increase in the average value of APV(Ret), would increase the probability of retention 6.6 percentage points for Army enlisted personnel. An analogous implication holds for reductions in the retirement program. Recall that these effects apply only to changes in retention from its average value. The estimates, of course, could be used to compute how the impact of changes in APV(Ret) begins to decline for persons or groups with very low or high retention, or how the APV(Ret) effect begins to diminish as its changes become larger and larger.

The Model 2 results presented in Table 5.1 show that the current retirement system appears to have the greatest drawing power for the Air Force, followed by the Army and Navy personnel not assigned to a ship. A $100 increase in APV(Ret) would generate an 8.5 percentage point increase in Air Force retention above its 1979 average rate, compared to a change of 6.6 percentage points for the Army and 6.1 percentage points for Navy non-ship personnel. Marine Corps and Navy personnel assigned to a ship also respond positively to the retirement system, but the relationship is not as strong -- a 5.1 and 3.9 percentage point increase, respectively, due to a $100 increase in APV(Ret). In estimating these Service-specific effects, we used the respective average YOS 2-11 retention rates (based on weighted means calculated

from the DoD Survey) to obtain predictions most relevant to each Service.

A better way to assess the effects of the current retirement system on retention is to calculate elasticities for each of the Services (including a distinction for Naval personnel assigned to ships). Table 5.2 presents the retention elasticities with respect to APV(Ret): the percentage change in the probability of staying in the military in response to a 1% change in APV(Ret). For example, an elasticity of 2.0 implies that a 10% increase (decrease) in APV(Ret) will generate a 20% increase (decrease) in retention.

TABLE 5.2

RETENTION ELASTICITIES: RETIREMENT BENEFITS
(Enlisted Personnel)

Service	YOS 2-6	YOS 7-11	YOS 2-11
Army	1.53	2.08	1.87
Navy(ship)	1.51	2.57	1.68
Navy(no ship)	1.75	2.55	2.23
Marine Corps	1.56	2.02	1.89
Air Force	2.33	2.37	2.35
DoD	1.63	2.15	2.09

Given the formula for constructing an annuity, an across-the-board percentage change in base pay, or in the retirement annuity, changes APV(Ret) by the same proportion. Similarly, a given percentage change in the present value of future benefits, caused by a change in the cost-of-living adjustment, will result in the same percentage change in APV(Ret). Hence, the above elasticities are useful tools for predicting the force implications of contemplated alternatives to the current retirement system.

The results in Table 5.2 suggest that retirement policy decisions should not assume uniform APV(Ret) elasticities for the Armed Forces. Specifically, the Air Force appears to exhibit much greater sensitivity to changes in retirement benefits than the other Services (after controlling for other sources of variation). Army and Marine Corps personnel responses are found to be quite similar, while the Navy displays considerable heterogeneity.

Because past analyses using the ACOL model have focused primarily on the Navy, it is useful to examine the correspondence between our results and earlier findings. Warner and Goldberg (1981) estimate separate military pay elasticities for sea-intensive occupations of 1.5 to 1.8, and an elasticity of nearly 3.0 for occupations characterized by little or no sea duty. Our Navy YOS 2-11 elasticities of 1.7 and 2.2 for personnel assigned and not assigned to a ship, respectively, display a pattern very similar to that of Warner and Goldberg. This accumulation of evidence suggests that ship assignment has a significant effect on Navy retention.

A second general finding is that retention elasticities with respect to APV(Ret) are higher for individuals at YOS 7-11 than for those at YOS 2-6. Referring to the DoD results, we find that the elasticity rises from 1.63 to 2.15 as we move from the younger to the older enlisted group. This implies that personnel in YOS 7-11 are closer to the margin in terms of their stay-leave decisions. On reflection, this is reasonable. However, it conflicts with conventional wisdom. The older cohort is more likely to be engaged in making a military career decision than the younger cohort. This behavior would be consistent with their greater sensitivity to perceived retirement benefits than those with fewer years of service. The single Service exception is the Air Force, which has a fairly constant elasticity. It is possible that Air Force enlisted personnel make their career decisions earlier than those in other Services.

The DoD-wide retirement elasticity appears to be similar to earlier findings that estimated military pay elasticities in the neighborhood of 2.0. However, a direct comparison is not possible. Our model specification is quite different because we decompose ACOL and analyze a sample that is distributed over a wider YOS period than previous studies. Our derived APV(Ret) elasticity implies that the retirement system has a large effect on current retention decisions -- much larger than would be predicted if a military pay elasticity of 2.0 were applied to a change in retirement benefits.

The pay elasticity is evaluated with respect to military pay. Our retirement elasticity is evaluated with respect to the annualized present value of retirement benefits, which is a relatively small component of military pay (at a given YOS). The equality between the two elasticities arises from the fact that our logit coefficient on APV(Ret) is much bigger than the coefficient estimated on ACOL in previous analyses. This counterbalances the difference between average military pay and APV(Ret) and underlies the similarity in the two elasticities.

There are two explanations for the above disparity in predicted effects of retirement benefits on retention. First, our estimated APV(Ret) effect is probably biased upward. Recall that YOS is excluded from Models 2 and 3 because of its high correlation with APV(Ret). Hence, the estimated coefficient on APV(Ret) reflects both the pulling effect of the retirement system on retention, and any additional

influence of YOS on retention that is independent of APV(Ret). The latter may be linked to unobserved tastes that increase with YOS according to the selectivity argument. Selectivity may also be imposed by the Services in their efforts to shape the force. Unfortunately, it is difficult to disentangle these effects.

A second explanation concerns the estimates obtained by previous studies using a single ACOL term. Their derived retirement effects on retention are probably biased downward for two reasons. First, these analyses did not decompose ACOL to test for differential effects by source of income. Second, the primary focus of these studies is on retention in the first-term during which the retirement system has very little monetary value. Therefore, the estimated ACOL coefficient would not reflect the influence of future retirement benefits. However, this may not be the case for personnel at higher YOS for whom the retirement system has greater financial meaning.

Warner and Goldberg (1982) exmamined retention models for both first-term and second-term Navy enlisted. They found that the estimated coefficient on ACOL was higher for the second-termers than for the first-termers. This suggests that the impact of the imbedded retirement component in ACOL may begin to manifest itself as YOS increases. In this analysis, we investigate retention over a much wider YOS span — years 2 to 11. It is not surprising that the retirement system would play a greater role for our more diverse sample. In summary, we believe that the true effect of retirement benefits lies somewhere between the two sets of estimates. Further research in this area will be required to narrow the difference.

5.2 Influence of Tastes on Retention Decisions

An individual's taste for military versus civilian employment, apart from compensation, is a key theoretical determinant of retention. Other things equal, someone who prefers the military over the civilian sector is more likely to remain in the Service than another with lower preferences. Research on stay-leave decisions acknowledges the underlying importance of tastes in modeling individual retention behavior. Unfortunately, the absence of viable measures of employment preferences has restricted the role of tastes to one of only theoretical relevance. It has not received any empirical confirmation in the military retention literature. This information gap is serious because it raises several questions regarding the accuracy of retention models estimated to date.

Most manpower experts believe average tastes rise as YOS increases. One possibility is that persons grow to like military service with greater experience and greater rank and responsibility. A more important reason is the self-selection process. Over time individuals tend to select themselves in or out of the military according to their tastes for military service - i.e., those who like the military tend to

stay. Thus, average tastes will be greater for older cohorts than younger ones. This argument does not require a person's tastes to change over time. Rather, individual tastes may remain constant while the mix of people changes as the selection process unfolds.

The taste-selectivity linkage has significant policy ramifications. For example, if changes to the military retirement system were to substantially change the taste distribution of the force, then policy-makers should expect to see a different force with respect to size and composition. The nature of this change, of course, would depend on the contemplated policy alternative. Predicting such an occurrence requires two pieces of information. First, the quantitative relationship between retention and tastes must be ascertained. Second, the effect of a compensation policy change on the taste distribution must be predicted. Our analysis sheds new light on the first requirement by estimating the direct influence of tastes on individual retention decisions.

A second policy implication concerns the relationship between military compensation and retention. Predictions of how a change in pay will affect the size and shape of the force rest on current empirical models of retention behavior. However, these models do not control for tastes. This would be a serious shortcoming if the estimated retention-compensation link were biased, because it would generate misleading forecasts. A biased compensation (or ACOL) coefficient would result from the exclusion of tastes, if the latter is correlated with both retention and compensation. In light of the policy importance of predictions based on estimated retention models, it makes sense to assess the potential bias that may exist when tastes are excluded. This study estimates alternative model specifications to evaluate this possibility.

Tastes are not ignored by theoretical models of individual decision-making. However, because preferences typically are unobserved, tastes are usually subsumed in the random disturbance term of the empirical model. This implies that for a given set of independent variables posited to influence behavior, individuals will exhibit unexplained retention variation because of omitted factors, such as tastes, and random elements captured in the error term. The ACOL model assumes that tastes and other excluded factors are distributed randomly and display a logistic, or S-shaped pattern with respect to stay-leave decisions. This assumption underlies the use of logit models to estimate the probability of retention.

Our analysis attempts to improve upon earlier research by addressing directly the role of tastes in the retention decision. This imposes two requirements on the data. First, a relative measure of military-civilian employment preferences is needed. An absolute measure of tastes for the military is inappropriate for the same reason that military compensation, without civilian opportunities, reflects only one side of the push-pull incentive. Hence, an individual's appraisal of the

military versus the civilian sector is most desirable. Second, subjective evaluations of several nonmonetary dimensions of the job are needed to provide a richer notion of job preferences. This approach emphasizes individual job satisfaction regarding specific job attributes not already encompassed in the compensation variables.

The DoD Survey provides an unique opportunity to pursue this line of inquiry. The Survey queried respondents about their perceptions of seven nonmonetary aspects of their military job versus what they would expect in the civilian sector. The survey responses enable us to construct measures of taste that are both relative in nature and apply to nonpecuniary attributes of employment. The relevant survey questions are described in Chapter 3.

Despite the richness of the taste measure derived from the DoD Survey, measurement problems of unknown dimensions remain. This is because tastes represent an exceedingly difficult concept to quantify. They reflect the interplay of specific job characteristics, and the subjective evaluations of each, from the perspective of an individual. The true notion of tastes or employment preferences has eluded measurement by social scientists because of the limits inherent in dealing with the human psyche. These problems, of course, do not diminish the importance of tastes. Rather, they usually prevent researchers from assessing their role in the decision-making process.

While recognizing these measurement problems, we believe that the relative taste measure created from the DoD Survey is positively correlated with its theoretical construct. The measure used in Model 3 probably captures several important facets of relative employment preferences. This implies that the estimated effect of taste on retention yields useful information on the taste-retention relationship. Our confidence in the constructed taste measure is bolstered by the fact that the estimated effects make good sense. The following discussion address (1) the independent influence of tastes on retention, and (2) how previous compensation estimates may be biased when tastes are excluded from the retention model.

Effect of Tastes on Retention. Model 3 uses a composite index of individual tastes for the military versus civilian employment. The index is created from four separate job satisfaction components that were found in preliminary analysis to be significantly related to retention: (1) "having a say in what happens to me", (2) "chance for interesting and challenging work", (3) "job security", and (4) "location of the job". Responses on each item ranged from a low of 1 to a high of 5 (civilian job would be a lot better, slightly better, about the same, slightly worse, or a lot worse than the present military job).

Responses averaged about 1.7 on each job satisfaction element, except for job security, which averaged about 3. Individual scores on the four variables were summed together and divided by 4 to obtain an overall index scaled similarly to its components. Table 5.3 contains the

estimated influence of relative tastes on retention probabilities for the DoD enlisted force from YOS 2 to 11.

TABLE 5.3

EFFECT OF TASTES ON RETENTION PROBABILITIES
(Based on DoD retention rate of 32%)

Taste Variables (Mean Value)	Partial Derivative (Chi-Square)	Elasticity
OVERALL TASTE INDEX (2.1)	.22 (345.9)***	1.44
TASTE COMPONENTS		
Having a Say (1.7)	.04 (22.5)***	.21
Interesting Work (1.8)	.09 (114.2)***	.51
Job Security (3.1)	.04 (35.2)***	.38
Job Location (1.6)	.04 (19.1)***	.20

*** denotes significance at the 1% level.

The results Table 5.3 underscore the quantitative importance of job satisfaction to individual stay-leave decisions. Although enlisted personnel, on average, ranked their military jobs slightly lower than what they expected in the civilian sector (Index score of 2.1), a unit increase in the index would raise retention by 22 percentage points, and vice versa. The findings suggest that stay-leave decisions are very sensitive to underlying satisfaction with military employment. The calculated elasticity implies that a 10% increase in the Taste Index would generate a 14.4% increase in the likelihood of staying.

These results suggest that the Services must offer substantial pay inducements to attract individuals with low satisfaction with their military jobs. And, if the inducements were temporary, one would predict relatively high exit rates once they ceased. The negative relationship between retention and receipt of prior bonuses may be capturing some of this effect. On the other hand, individuals highly satisfied with their military jobs may be willing to accept relatively low pay (including deferred compensation) and still remain in the military. For example, a reduction in retirement benefits for the highly satisfied would probably have a minor effect on retention. This is because the taste factor will tend to dominate except for major reductions in the present value of military compensation.

However, policy-makers should not rely too heavily on positive job satisfaction to offset large reductions in pay. Tabular analysis of the Taste Index reveals that 50% of the enlisted force have tastes in excess of 2; 25% have tastes greater than 2.5; and only 10% have tastes beyond 3 -- an index value associated with rough comparability between military and civilian employment. This suggests that only a small fraction of enlisted personnel have sufficiently strong tastes for the military to overcome a large reduction in pay. Other things equal, about 10% of the force are predicted to be at least 22 percentage points more likely to stay in the military compared to otherwise similar persons at the mean (Index of 2).

The apparent disadvantage to working in the military, in terms of nonpecuniary factors, corroborates the conventional wisdom that military personnel should be compensated for the disamenities associated with military employment. (Our measure does not include differences in safety and risk of death between the two sectors.) Alternatively, the Taste Index may overstate the extent to which service members are truly dissatisfied. Although the estimated retention-taste linkage is valid, the point of indifference, as measured by the survey responses, is less certain.

These findings suggest that alternative compensation and benefit systems that would attract a different type of personnnel in terms of average tastes for the military would also be faced with a different mix of individual retention propensities. As research continues in this area, better information may be generated to assist force planners in predicting these effects. From the above findings, it appears that large forecasting errors may be present if the distribution of tastes is affected by policy changes. If this is not the case, or if changes to the compensation system are marginal, we believe that prediction models that ignore tastes will not be too far off the mark.

Noncompensation policies may play an important role in shaping the force structure. To the extent that our taste variable reflects relative job satisfaction, the Services may be able to exert some control over their retention rates by changing certain aspects of the military job. For example, rotation policies may affect individuals' perceptions of the military which, in turn, bear on their decisions to stay or leave. Additional analysis was conducted to explore this possibility. Model 3 was reestimated using the four components of the Taste Index in order to discern the extent to which the separate elements had differential effects on retention probabilities. These findings are also presented in Table 5.3.

When the model is reestimated using the four taste components, the statistical significance of the overall specification remains essentially unchanged. This suggests that very little explanatory power is lost when the four job satisfaction components are combined. Note that the estimated coefficients on the four components are quite small compared to the Taste Index. Interestingly, the four coefficients sum to

a value close to the Index's coefficient, even though the components and the Index are scaled the same (1 to 5) and have similar mean values. The same holds for the elasticities. One interpretation is that satisfaction with various job attributes has a cumulative impact on retention. Each element of employment contributes to an individual's overall evaluation of his job vis-a-vis the civilian sector. Thus, the components used in this analysis appear to measure different facets of tastes or job satisfaction.

These findings suggest that having a job with "interesting and challenging work" has twice the impact on retention than the other three. However, none of the components has a very large effect by itself. Therefore, the Services would have to make a coordinated effort to raise job satisfaction across several job dimensions to have a large effect on retention.

Also of interest is that several job elements do not appear to have significant effects on retention. These include three work conditions addressed by the DoD Survey: (1) "immediate supervisors," (2) "people I work with," and (3) "the work schedule and hours of work". The factor most controllable by the Services would be the work schedule and hours, but this does not appear to be germane to stay-leave decisions.

Omitted Error Bias. As noted earlier, the omission of tastes from the retention equation may result in biased estimates on the compensation variables. The potential for bias increases as the correlation between compensation and taste increases, and the closer is the tie between retention and tastes. Bias will not occur if either of the above pairs is not correlated. If the compensation coefficients are positively biased, then predicted changes in retention due to a change in military pay will be overstated. Comparisons between Models 2 and 3 are used to examine this likelihood. In particular, retention elasticities are calculated with respect to the Annualized Present Value of Retirement Benefits variable, APV(Ret). Table 5.4 displays the elasticities for the YOS 2-11 period, with and without the inclusion of tastes in the estimating equation.

The elasticities in Table 5.4 demonstrate the sensitivity of the APV(Ret) effect to whether or not tastes are included in the model. Comparing the two columns shows that predicted compensation effects on retention are 10% smaller when tastes are included. Estimated compensation effects tend to pick up some of the influence of tastes on retention when the latter is omitted from the empirical model. That is, the effects are larger than they should be (the estimates are biased), because tastes and APV(Ret) are correlated and because tastes influence stay-leave decisions. Hence, the retention predictions based on models without taste will be overstated, resulting in misleading policy implications.

TABLE 5.4

EFFECTS OF TASTES ON THE APV(RET) ELASTICITY
(Based on DoD and Service retention rates)

Service/DoD	Model 2 (Tastes Excluded)	Model 3 (Tastes Included)	Percentage Change
Army	1.87	1.64	-12.3
Navy (ship)	1.68	1.48	-12.0
Navy (no ship)	2.23	1.98	-11.2
Marine Corps	1.89	1.67	-11.6
Air Force	2.85	2.71	- 4.9
DoD-wide	2.09	1.89	- 9.6

The inclusion of tastes in the models reduces the calculated Service elasticities by 5% to 12%. The Air Force has only a 5% reduction. In a sense, the Air Force appears to be a more homogeneous force with respect to tastes than the other Services. For the DoD as a whole, we estimate that the retirement benefit elasticity is about 10% too high when tastes are not taken into account.

Taken at face value, these results suggest that selectivity may not pose too grave a problem for estimating compensation effects on retention. Insofar as we are able to measure tastes by using a relative job satisfaction index, selectivity does not appear to be a dominant factor. Exclusion of our taste measure has only a minor impact on the estimated APV(Ret) coefficient as implied by the elasticities in Table 5.4. Furthermore, tabular analysis shows only a small increase in the Taste Index over YOS, but substantial variation within YOS groups. Both of these findings imply that, within the confines of the DoD Survey, tastes seem to be a better predictor of retention within a YOS cohort than across cohorts.

These results, however, should not be over-interpreted. The job satisfaction measure used in this analysis, while certainly correlated with the conceptual notion of tastes, is unlikely to capture the full range in tastes. This may be a particular problem to the extent that the unobserved portion tastes varies over YOS. Therefore, an important caveat is that even when the Taste Index is included in the model, unobserved taste elements, correlated with YOS, may manifest themselves through the estimated coefficient on APV(Ret).

5.3 Personal and Military Correlates of Retention

The discussion thus far has examined the role of compensation and tastes on retention decisions; other sources of variation such as military and personal characteristics have been held constant. Controlling for these variables is essential to isolate the independent effects of compensation and tastes. This section shifts the discussion to the role of personal and military characteristics as determinants of retention. Knowledge of how these factors influence stay-leave decisions will promote a better understanding of retention behavior. In turn, this should facilitate the Services' efforts to manage their enlisted forces with greater precision.

The following discussion is divided into two parts: (1) presentation of the military correlates of retention, and (2) interpretation of the personal characteristics associated with individual stay-leave decisions. Model 3 forms the primary basis for the analysis. Before proceeding, the rationale for using Model 3 warrants some explanation. Recall that Model 1 specifies a unified ACOL variable; Model 2 differs principally in that it decomposes ACOL into three parts. Model 3 builds on the latter by introducing tastes.

The results in Table 5.5 reveal differences across the three models with respect to the estimated effects of personal and military characteristics. Changes occur when APV(Ret) and tastes are introduced in Models 2 and 3. When these terms are excluded, the coefficients on personal and military variables reflect a misspecification bias. By adding tastes and the APV(Ret), the model is more properly specified, and the bias is reduced.

The following discussion refers to the DoD-wide findings presented in Table 5.5. Separate model estimation was conducted for each of the four Services. These results are contained in Appendix D, which should be consulted to assess the estimated relationships unique to each Service. A number of significant differences emerge which reinforce the notion that each Service is a distinct organization facing a unique labor supply curve.

Military Correlates of Retention. After controlling for a variety of factors, Model 1 estimates higher predicted retention for the Air Force and for Navy personnel not assigned to a ship. However, when ACOL is decomposed, the Navy-no ship distinction disappears and the Air Force effect becomes significantly negative. When tastes are included, the Air Force effect becomes even more negative. In light of the differences between the models, the data suggest that Air Force personnel tend to have lower discount rates and higher tastes for the military — a phenomenon that was previously captured by the Service affiliation variable.

The analysis pinpoints a number of occupational areas encountering problems in retaining personnel. Even after controlling for

other correlates of retention, we find that five occupational groupings experienced difficulty in 1979 relative to the omitted reference group (DoD 1-digit occupational code 5 -- Functional Support and Administration). Using DoD 1-digit occupational codes, the analysis finds that personnel in the following areas had retention probabilities significantly different from the Administrative group (probability difference in parentheses):

- o Electronic Repair (- 21 percentage points)
- o Communications and Intelligence (- 6 percentage points)
- o Medical and Dental (- 13 percentage points)
- o Electrical and Mechanical Repair (- 7 percentage points)
- o Other Technical and Allied Specialist (+ 8 percentage points)

These findings confirm the Services' historical retention problems in these areas. It is interesting to note that retention propensities continue to differ substantially by occupation even after controlling for such factors as pay and SRBs, tastes, Service, and personal attributes. These results suggest that persons in the first four fields noted above have skills that are in high demand in the civilian sector. Since this enhances outside job prospects, the chances of leaving the military increase commensurately. Also of interest is the similarity in retention among the following occupations: Functional Support and Administration, Infantry/Seaman/Gun Crew, and Craftsman.

Personal Correlates of Retention. The most important demographic characteristic related to the probability of retention is race. Blacks are 22 percentage points more likely to remain in the military than otherwise similar nonblacks. This relatively high propensity may reflect the combination of greater perceived discrimination in the civilian sector, and better training and job advancement possibilities in the military. The race effect, however, is less pronounced in the Marine Corps (about 11 percentage points) than in the other Services.

Note that the probability of retention for blacks is higher when APV(Ret) is included in Model 2 versus Model 1. In a previous analysis, Black (1983) found that blacks had higher discount rates than nonblacks, which would lessen the size of discounted retirement benefits. Because this effect is not adequately captured by the ACOL variable in Model 1, the estimated net effect on "black" is the sum of the positive independent race relationship with the negative discount rate effect.

The analysis finds that retention is no more likely for males than for females. Separate analysis of the sample stratified by sex corroborates this finding. An individual's age relative to his cohort, measured by a dummy variable for individuals whose age at entry was greater than 19 years, has a positive influence on retention. The data suggest that, after controlling for discount rates via the APV(Ret) term and tastes, older entrants display a stronger commitment to the military. We speculate that such individuals are more informed of civilian opportunities than their younger counterparts. If the former

opted for the military after gaining some civilian work experience, then their enlistment reveals a stronger preference for the military, on average, than those who entered directly from high school.

Family status plays an important role in the stay-leave decision. Such a general conclusion is not surprising, yet previous studies have offered little in the way of empirical confirmation. The 1978 DoD Survey provides such an opportunity, although our analysis is only a first step in this area. Specifically, we examine how retention is influenced by marital status and spouse employment. We anticipate that family circumstances matter because career planning often involves joint decision-making by couples, a process that may increase in complexity when the spouse is employed.

The estimation finds that single persons (the reference group) and married service members with a spouse employed in the civilian sector have lower retention probabilities than others. In general, we would expect the former to have few family responsibilities and be less inhibited in terms of career mobility. Also, single male members have better prospects for finding a spouse outside of the military. Contrarily, we find that divorced, widowed, or separated persons display a greater chance of staying in the military (5.4 percentage points higher than single individuals). One explanation is that individuals experiencing family disruptions may need support that they derive from their military peers. This form of bonding would raise retention propensities. Another view (with respect to divirced and separated persons) is that the marital problems of such individuals may actually be a consequence of their involvement in the military.

Retention is also lower for those with spouses in a civilian job who have a greater stake in the present geographic location. Because staying in the military almost certainly leads to reassignment, such location-specific assets are at risk. This constitutes a real cost to continued service if future job prospects in other locations are perceived to be worse. The higher this opportunity cost, the lower is the likelihood of remaining in the military.

In contrast, retention is higher for those whose spouse is not employed. These people are not confronted with location ties created by civilian employment. The data are consistent with the notion that these families have lower military transfer costs in terms of potential loss of spouse employment. This phenomenon is interesting because it relates to military pay. If low current compensation encourages spouse employment to supplement family income, then these findings suggest a secondary effect on retention due to under-paying military personnel.

Compared to the reference group of single persons, we find that retention is 7.4 percentage points higher among individuals with a spouse serving in the military. This significant effect demonstrates a joint commitment to military service that is not captured by the tastes variable. The relationship between this measure of revealed preference

and tastes is underscored by the decline in the estimated "spouse employed in the Armed Forces" variable when tastes are included in Model 3 versus Model 2. Although Service rotation and transfer policies are rendered more complicated by dual military employment, the results indicate that this group will be more likely to stay than leave.

Educational attainment displays a systematic relationship to retention, holding constant the influence of other factors. As expected, individuals without a high school diploma exhibit a 9.6 percentage point higher probability of remaining in the military than otherwise similiar persons who did graduate. The former are less likely to face career opportunities in the private sector that match those in the Services. Perhaps the military is less conscious of degrees than the civilian sector (a sheepskin effect). Also, the military keeps only the best of the non-high school graduates, but probably loses the "best" of the high school graduates. Alternatively, the Services may tend to promote personnel more automatically, according to tenure, than civilian employers. This also would raise the expected lifetime earnings of less educated persons, which would have a positive influence on retention decisions.

Somewhat surprisingly, we find that individuals with some post-secondary education display a modest 3.5 percentage point higher probability of retention than high school graduates. This suggests that the military does not necessarily lose its more highly educated and perhaps better skilled members. One explanation may be that these people tend to stand out from the rest and are consequently on a faster promotion track. If this is the case, or if individuals perceive this to be true, then the future returns to a military career would be higher than otherwise, thereby raising retention in this group.

Financial assets may also influence stay-leave decisions, although data limitations have generally restricted investigation of this, path of influence. The DoD Survey collected information on nonmortgage debts, financial assets (cash, bank accounts, and securities), and whether or not an individual owned a home. Among those enlisted personnel who had financial assets, estimated retention is 12.4 percentage points lower than those without any savings. This intriguing result is consistent with job search theory. Individuals contemplating a job change are presumed to weigh the expected benefits and costs of a move. Costs will be incurred to the extent that there is intervening unemployment, a geographic move is required, and expenditures made to seek out employment. Possession of liquid assets should reduce the financial risk of moving from the military to the civilian sector. This, in turn, would facilitate an exit decision.

Homeownership is found to have a significant influence on retention. Homeowners are estimated to have a 7.6 percentage point lower probability of staying in the military than renters, on average. This makes sense since the former have demonstrated an attachment to their current community. Moreover, homeowners would incur greater transaction

costs upon reassignment than renters. Both of these factors may contribute to a greater reluctance to move from the present location, a very real possibility with continued military service.

In summary, the analysis yields a number of insights into what personal characteristics underlie the stay-leave decision. These findings, coupled with the compensation and tastes results, should provide useful information to the DoD and the Services. In particular, this analysis should provide important technical support in the application of retention models such as ACOL to assess the force implications of alternative compensation and manpower policies.

TABLE 5.5 ESTIMATED DETERMINANTS OF ENLISTED RETENTION

Variable Name	MODEL 1 Partial Derivative	MODEL 1 Chi-Square	MODEL 2 Partial Derivative	MODEL 2 Chi-Square	MODEL 3 Partial Derivative	MODEL 3 Chi-Square
Intercept	-0.3547	131.75 ***	-0.6898	259.01 ***	-1.1032	417.83 ***
TERM/PRIOR BONUS (Term 1-bonus)						
Term 1-no bonus	-0.0457	5.16 **				
Term 2-bonus	0.2067	99.22 ***				
Term 2-no bonus	0.3068	112.19 ***				
Term 3-bonus	0.4230	98.17 ***				
Term 3-no bonus	0.5484	156.51 ***				
PRIOR REENLISTMENT BONUS			-0.2067	103.30 ***	-0.2045	89.87 ***
COMPENSATION						
ACOL	0.0048	12.39 ***				
Current Pay Diff (Mil-Civ)			0.0022	2.30	-0.0028	2.72 *
APV(expected SRB)			0.0007	0.53	0.0011	0.01
Eligible for SRB			-0.0261	1.06	-0.0094	0.13
APV(RETIREMENT)						
for the Army			0.6615	342.09 ***	0.5796	238.55 ***
for the Navy-Ship Assignment			0.3059	15.09 ***	0.3436	12.01 ***
for the Navy-No Ship Assignment			0.6078	6.33 **	0.5414	5.56 *
for the Marine Corps			0.5096	10.46 ***	0.4496	6.74 ***
for the Air Force			0.8498	3.20 *	0.8112	6.94 ***
TASTE: Military vs Civilian					0.2198	345.89 ***
SERVICE (Army)						
Navy-Ship Assignment	-0.0239	1.07	0.0370	0.45	0.0370	0.37
Navy-No Ship Assignment	0.0348	2.91 *	-0.0196	0.14	-0.0544	0.80
Marine Corps	0.0152	0.47	0.0218	0.21	-0.0022	0.00
Air Force	0.0675	11.53 ***	-0.1676	9.32 ***	-0.2568	18.94 ***
OCCUPATION (Comb.)						
Infantry,Seaman,Gun Crew	-0.0783	10.48 ***	-0.0305	1.25	-0.0283	0.94
Electronic Repair	-0.1327	30.18 ***	-0.2285	44.46 ***	-0.2089	51.19 ***
Communications/Intell.	-0.0305	1.72	-0.0827	8.32 ***	-0.0609	4.00 **
Medical/Dental	-0.1044	10.42 ***	-0.1480	16.93 ***	-0.1284	10.94 ***
Other Tech/Allied Spec.	0.0326	0.60	0.0566	1.45	0.0849	3.01 *
Elec/Mech Repair	-0.0479	6.93 ***	-0.0892	18.43 ***	-0.0740	11.05 ***
Craftsman	-0.0326	0.90	-0.0479	1.51	-0.0522	1.49
Service/Supply	-0.0348	2.09	0.0044	0.02	0.0174	0.39
RACE (Nonblack)						
Black	0.1088	42.67 ***	0.2568	192.51 ***	0.2198	114.36 ***
SEX (Male)						
Female	0.0239	1.16	0.0174	0.50	-0.0022	0.02
AGE AT ENTRY (19 or less)						
> 19 yrs.	0.0152	1.24	0.0370	4.91 **	0.0283	2.69 *
MARITAL STATUS (Single)						
Divorced/Sep.	-0.0109	0.29	0.0841	4.21 **	0.0544	3.73 *
Spouse in Military	0.1110	13.70 ***	0.0950	8.42 ***	0.0740	4.41 **
Spouse working (civilian)	0.0435	5.22 **	-0.0218	1.04	-0.0152	0.43
Spouse not working	0.1088	41.51 ***	0.0522	7.63 ***	0.0522	6.56 ***
EDUCATION (High School Grad)						
< High School	0.0196	0.27	0.1153	8.43 ***	0.0957	4.34 **
> High School	0.0392	7.70 ***	0.0239	2.34	0.0348	4.19 **
FINANCIAL ASSETS						
Debts > $500	0.0522	13.66 ***	0.0044	0.05	0.0218	1.53
Savings > $0	0.0566	9.51 ***	-0.1044	27.04 ***	-0.1240	30.02 ***
Homeowner	-0.0392	4.17 **	-0.0870	15.32 ***	-0.0762	10.42 ***
MODEL Chi-SQUARE		1167.09 ***		2275.29 ***		2473.20 ***
SAMPLE SIZE (E.F.)	6506	(30)	6506	(33)	6048	(34)

Notes to Table 5.5

Partial derivative = B * P (1 - P).

where B: logit coefficient
P: probability of retention.

The partial derivatives for APV(Ret) are evaluated with respect to Service-specific retention rates. In short,

$$\frac{\partial P}{\partial APV(Ret)} = (B_{Army} + B_s) * [\, P_s (1 - P_s) \,].$$

where s: Service.

The partial derivatives of all other variables are evaluated with respect to average DoD retention rates.

Measures of statistical significance apply to the logit coefficients, from which the partial derivatives are derived:

* 10% level of significance
** 5% level of significance
*** 1% level of significance.

For the APV(Ret) estimates, measures of statistical significance indicate whether or not each Services' effect is statistically different from that estimated for the Army (the reference group).

6. ANALYSIS OF RETENTION: OFFICERS

This chapter examines the retention behavior of officers, and attempts to isolate the major factors underlying individual stay-leave decisions. Officers have received surprisingly little attention in quantitative research on accession and retention. Consequently, military planners have relatively poor information on how officers respond to pecuniary incentives and how their labor supply decisions are influenced by personal characteristics. This study attempts to fill this information gap by analyzing data from the 1978 DoD Survey on Officers and Enlisted Personnel.

The analysis focuses on officers with 2 to 8 years of service. To concentrate on individuals facing a stay-leave decision, the sample is restricted to officers with less than a year of remaining obligated service or those without a serive obligation. YOS 2 to 8 encompass the time during which individuals are most involved in career decision-making. An understanding of what encourages and discourages retention during this period should assist the Services and the DoD in managing the officer force.

The discussion of the empirical findings is organized into three sections: (1) effects of compensation on retention; (2) role of tastes for the military versus civilian employment; and (3) influence of personal and military characteristics on individual stay-leave decisions. Three retention models, described in Chapter 3, are used to examine these issues. The results are based on a DoD-wide retention model. The small sample size does not permit Service-specific estimation.

6.1 Compensation Effects

Table 6.1 contains the estimated compensation effects on the probability of staying at least one more year in the military. These findings are based on a retention model that controls for variation stemming from personal and military characteristics. To sharpen our focus on compensation issues, discussion of these characteristics is postponed for subsequent sections. The estimated effects for all variables in the three models are in Table 6.5 at the end of this chapter. As before, to make interpreatation easier, the partial derivatives are presented in the tables, evaluated at the average DoD-wide retention rate.

TABLE 6.1

ESTIMATED COMPENSATION EFFECTS ON OFFICER RETENTION
(based on mean DoD retention rate of 76%)

Variable	Model 1	Model 2
ACOL	.0024	
ACOL COMPONENTS		
Current Pay Differential		.0005
APV(Retirement Benefit)		.4596***
CURRENT YOS	.0730***	
CURRENT YOS<5	-.0128	.2900***
Model Chi-Square	142.89***	434.37***
Sample Size	1325	1325

*** denotes statistical significance at the 1% level.

Annualized Cost of Leaving (ACOL). A central element in Model 1 is the ACOL variable which measures the annualized cost of leaving the military for each individual. This summary measure is calculated in the same way for officers as it is for enlisted personnel. This pecuniary factor is of great interest because of its widespread use in compensation-retention analysis. The estimated effect of ACOL on retention, however, is not significantly different from zero. Moreover, the partial derivative of .0024 is half of that for enlisted personnel.

The absence of a systematic relationship between ACOL and the probability of retention is not surpirsing in light of our discussion in Section 5.1. Officers, like the enlisted, have ACOL values that are dominated by large expected civilian earnings. One reason for this disparity may be the widespread dissatisfaction among officers with the relatively low pay raises during the late 1970s. As noted in Chapter 5, this may have been reflected in the survey responses, more as a protest than as a realistic expectation of potential civilian earnings. This phenomenon, of course, would undermine the quality of the constructed pay differential.

Table C.3 in Appendix C shows that the average current pay difference between military and civilian jobs is minus $5,650; the average annualized present value of potential retirement benefits is $3,270. The current pay difference swamps the APV(Ret) measure. Because

the former tends to decline slightly over YOS, the influence of a rising APV(Ret) on retention is virtually eliminated. If the pay differential were constant over YOS, the impact of the retirement system would have been detectable. To investigate this possibility, we decompose ACOL into two parts: APV(Ret) and the current pay differential.

Model 1 also controls for YOS and whether or not an officer has fewer than 5 years of service. As expected, predicted retention rises steadily with military tenure. At the mean DoD retention rate, an extra year of service raises the probability of staying in the military by 7.3 percentage points, other things held constant. Unreported analysis finds that the estimated retention-ACOL relationship does not change appreciably when YOS is excluded from Model 1. Retention propensities among younger cohorts do not appear to be any different than for officers with at least 5 years of service.

Decomposition of ACOL. Model 2 examines the effects of separate compensation sources on retention. Focus on APV(Ret) is particularly germane for predicting the force implications of proposed changes to the current retirement system. Although APV(Ret) rises slowly over the YOS 2-8 period, its effect on ACOL becomes dramatic after 12 years of service (see Appendix B for graph). Most observers believe that the shape of the ACOL curve is governed principally by the present value of future retirement benefits that increase at an exponential rate with YOS. In contrast, the current pay differential tends to shift the ACOL up and down but its effect on the ACOL curve is fairly minor.

We drop YOS from the estimating equation when ACOL is decomposed. This is because of the high correlation between the retirement component and YOS. While APV(Ret) is a positive function of military service, it is also influenced by an individual's discount rate. In fact, descriptive analysis reveals there is much more variation in APV(Ret) within YOS groups than across years of service. This stems from substantial variation in personal discount rates imputed to each individual (Black, 1983). We view this added source of variation in APV(Ret) as an important contribution to the explanatory power of the model.

The current military-civilian pay differential has an insignificant effect on officer retention. Given the possible contamination introduced by dissatisfaction with military pay and misperceptions of civilian earnings, this variable probably does not measure true relative opportunities. As discussed in earlier chapters, the best procedure for estimating the link between retention and current pay differences is to use time-series data. This would provide variation in military and civilian earnings over time to support estimation of its relationship to retention.

The Annualized Present Value of Future Retirement Benefits plays a dominant role in individuals' decisions to leave or stay in the military. Model 2 estimates that a $100 increase in APV(Ret) will raise

the probability of staying among officers by 4.6 percentage points (evaluated at the mean DoD retention rate). Although a $100 change in APV(Ret) may appear small, it is substantial when viewed against its mean value of $3,270 for officers at YOS 2 to 8. A change in APV(Ret) may occur for several reasons. First, a given percentage increase in basic pay will raise the base on which benefits are calculated. The change in benefits will result in the same percentage increase in APV(Ret). Second, a change in the benefit formula, retirement pay as a proportion of base pay, will change the level of future benefits. This results in the same percentage change in APV(Ret). Hence, the APV(Ret) term is a compact way to summarize the monetary effects of a change to the retirement system to evaluate the force implications.

The retention-APV(Ret) relationship estimated for officers is smaller than that for enlisted personnel. Recall that we found partial derivatives ranging from .39 to .85 for the latter group. Although part of this difference may stem from differences in mean retention rates used to evaluate the partial derivatives, examination of Tables C.1 and C.2 in Appendix C reveals a smaller logit coefficent for officers than for enlisted personnel.

We tested for different retention-APV(Ret) relationships across the Services by including appropriate interaction terms in Model 2. The null hypothesis could not be rejected, however, suggesting that the influence of APV(Ret) on retention does not vary by Service. Therefore, separate Service results are not presented. Compared to enlisted personnel, the officer population appears to be more homogeneous across Services with regard to its response to the present value of future retirement benefits.

A better way to evaluate the implications of alternative retirement benefit levels for retention is to calculate retention elasticities with respect to APV(Ret). Table 6.2 presents elasticities for two subperiods as well as for the YOS 2 to 11 period. In addition, we have used the estimated DoD-wide partial derivative on APV(Ret) to calcualte elasticities for each Service, evaluated at their respective mean values of APV(Ret) and retention. For comparison, the DoD-wide enlisted elasticites are also listed (based on the YOS 2-8 period).

Table 6.2 documents the variation across Services with respect to the APV(Ret) elasticities. Differences emerge because of Service differences in average retention rates and average APV(Ret) values which influence the calculated elasticities. The logit coefficient component of the elasticity, however, is invariant across Services. Recall that the analysis did not find significant differences in the estimated coefficients by Service. Naval officers assigned to a ship have the highest elasticity at 3.4. This is substantially higher than Naval officers assigned to shore duty, who have an elasticity of 2.4, a value close to the Air Force elasticity of 2.5. Army and Marine Corps officers have elasticities below 2.0 which suggests that their retention is less

responsive to pay changes than similar officers in the other two Services.

TABLE 6.2

OFFICER RETENTION ELASTICITIES: RETIREMENT BENEFITS
(Based on Service and DoD Averages)

Service	YOS 2-4	YOS 5-8	YOS 2-8
Army	1.50	.82	1.86
Navy (ship)	3.42	2.62	2.41
Navy (no ship)	2.35	2.00	2.41
Marine Corps	1.71	1.04	1.90
Air Force	2.45	2.66	1.96
DoD (officers)	2.03	1.60	1.98
DoD (enlisted)	1.50	2.19	1.76

The derived APV(Ret) elasticities are quite large in comparison with what would be predicted from the military pay elasticities found in previous studies. However, as explained in Chapter 5, the retirement and pay elasticities are not directly comparable. Our elasticity is evaluated with respect to the mean value of APV(Ret), which is relatively small compared to the mean value of military pay (at a given YOS).

The APV(Ret) elasticity may be overstated because unobserved tastes, which may be correlated with the excluded YOS variable, may affect the estimated coefficent on APV(Ret) from which the elasticity is calculated. However, previous analyses did not break ACOL into its pay elements so that a separate retirement effect could not be examined. Furthermore, the earlier work generally focused on a narrowly defined sample (first-termers) for whom the retirement system has little financial value. Both types of biases may explain the disparity between the predicted effects of the retirement system on retention.

6.2 Influence of Tastes on Officer Retention Decisions

Tastes vary across individuals within YOS groups, a phenomenon

that is manifested in the DoD Survey. In addition, we expect individuals to select themselves in or out of the military according to their relative employment preferences. This self-selection process is known as "selectivity". Even though tastes may remain constant over time for a given individual, we should observe higher average tastes among older YOS groups because of selectivity. Furthermore, tastes may change as individuals acquire greater military experience and as the Services exert their own form of selectivity on the force.

Excluding tastes from empirical models may result in biased predictions of how retention changes in response to a change in military compensation. Forecast errors may occur in two ways. First, tastes have an effect on retention decisions independent of the influence of other factors. If a change in compensation results in a different mix of officers characterized by a different taste distribution, then predictions of the future force structure will be misleading if tastes are not taken into account.

A second type of prediction error is the possible bias in the estimated coefficient on ACOL when tastes are excluded. If tastes and ACOL are positively correlated, and both are correlated with retention, then potential bias exists. The following discussion investigates this possibility because of its importance for evaluating alternative compensation policies.

A measure of tastes for military versus civilian employment is constructed from responses to the DoD Survey. Seven questionnaire items, related to satisfaction with nonpecuniary military job attributes (compared with civilian jobs), were examined in preliminary analysis. Three were found to have significant independent effects on retention probabilities: (1) satisfaction with "immediate supervisors", (2) "having a say in what happens to me"; and (3) satisfaction with the "location of the job". Responses on each item ranged from 1 (low military tastes) to 5 (high military tastes), where satisfaction reflects individual perceptions of how a civilian job would compare with the present military job.

The relative job satisfaction variables were combined into a single index (with a 1-to-5 scale), that measures an individual's average score over the three components. Although it is not clear how well this variable captures the conceptual notion of "tastes", we believe that it is sufficiently correlated with the conceptual notion to provide useful insights. Key points of interest are (1) the independent influence of our measure of tastes on retention, and (2) how estimated compensation effects on retention may be biased when tastes are excluded from the model.

Effect of Tastes on Retention. Model 3 introduces the composite index of individual tastes into the retention equation. The Index has an average value of 2.25, slightly higher than the average of 2.1 for enlisted personnel. Among officers, the highest mean score was 2.55 for

relative satisfaction with immediate supervisors, followed by a mean of 2.0 for the other two components ("having a say in what happens" and "job location"). These averages imply that officers believe that a civilian job would be slightly better than their present military position. Table 6.3 presents the estimated influence of relative tastes on the probability of staying in the military.

TABLE 6.3

EFFECT OF TASTES ON OFFICER RETENTION PROBABILITIES
(Based on DoD retention rate of 76%)

Taste Variables (Mean Value)	Partial Derivative (Chi-Square)	Elasticity
TASTE INDEX (2.25)	.19 (54.6)***	.56
TASTES COMPONENTS		
Supervisors (2.55)	.03 (2.46)*	.10
Having a Say (2.04)	.11 (26.9)***	.30
Job Location (2.04)	.05 (9.59)***	.12

* denotes statistical significance at the 10% level.
*** denotes statistical significance at the 1% level.

The results in Table 6.3 confirm the relevance of tastes as a predictor of retention. The findings suggest that, other things held constant, a unit increase in the Index would raise the probability of staying in the military by 19 percentage points. Individual stay-leave decisions appear to be quite sensitive to satisfaction with the nonpecuniary job attributes included in our model. The calculated elasticity implies that a 10% increase in the Taste Index would generate a 5.6% increase in the likelihood of staying.

Although officer retention is significantly related to underlying tastes, the relationship is not as pronounced as it is for enlisted personnel. The latter have an estimated retention elasticity with respect to the Taste Index of 1.44, nearly three times as large as that for officers. If tastes among military personnel shifted because of changes in policy or in other factors influencing the type of new entrants, the ensuing effects on retention would be stronger for the enlisted than for the officers.

Model 3 was reestimated with the three taste components in place of the Index. This specification is useful for identifying how the components differ in their influence on stay-leave decisions. From Table 6.3 it is evident that "having a say in what happens to me" (a sense of

control and participation in decision-making), has the largest effect, followed by "job location". Both of these factors were found to have significant effects on enlisted retention.

The estimated effects of the taste components, however, are much smaller than for the Taste Index (all are scaled from 1 to 5). Model 3 performs about as well statistically with either the Taste Index or the separate components. Moreover, the partial derivatives of the components, when added together, are the same as that for the Index (the same holds for the elasticities). These findings suggest that the taste variables are capturing dimensions of job satisfaction which are not correlated with one another. Recall that we found the same thing for enlisted personnel. This also suggests that efforts to raise job satisfaction, and hence retention, should not concentrate on only one aspect of the job environment.

Omitted Error Bias. The exclusion of tastes in retention models may result in biased estimates on the compensation variables. The magnitude and direction of bias depends on the nature of the correlation between tastes and compensation, on the one hand, and tastes and retention on the other. To assess this problem we compare the APV(Ret) coefficients and the implied pay elasticities estimated in Models 2 and 3. Table 6.4 displays the APV(Ret) elasticities for the YOS 2-8 period, with and without the inclusion of tastes in the estimating equation.

TABLE 6.4

EFFECTS OF TASTES ON THE APV(RET) ELASTICITY
(Based on DoD and Service mean retention rates)

Service/DoD	Model 2 (Tastes Excluded)	Model 3 (Tastes Included)
Army	1.50	1.43
Navy (ship)	3.42	3.26
Navy (no ship)	2.35	2.24
Marine Corps	1.71	1.63
Air Force	2.45	2.33
DoD (officers)	1.98	1.89
DoD (enlisted)	2.09	1.89

Controlling for tastes in Model 3 leads to a modest reduction in the estimated APV(Ret) partial derivative and its elasticity. As summarized in Table 6.4, the decline in the calculated elasticities is about 4.5% for all groups (rounding errors inject slight differences in

the percentage changes). This constrasts to a 10% drop in the DoD enlisted elasticity which is consistent with that group's greater sensitivity to tastes. To the extent that the Taste Index controls for the variation in tastes, it appears that omitting tastes in retention models does not result in serious bias with regard to the estimated compensation effects.

However, this conclusion must be qualified to the extent that unobserved tastes are correlated with YOS, as stressed by the selectivity argument. We found that the Taste Index exhibited substantial variation within YOS groups, but changed very little across groups. This finding, however, is subject to two conflicting interpretations. On the one hand, the lack of temporal variation suggests that selectivity plays only a minor role and that analysts should not be too concerned with its effects. On the other hand, the tabular results may imply that the Index is capturing only cross-sectional variation in tastes. The unobserved portion may be highly correlated with YOS. Unfortunately, the second argument must remain conjecture until further evidence is obtained by future research on tastes.

6.3 Personal and Military Correlates of Officer Retention

Having addressed the effects of compensation and tastes on retention, we now turn to a discussion of the role of personal and military characteristics in the stay-leave decision. Understanding how personal and military factors influence behavior provides policy-makers with further information for managing the officer force.

This discussion is based on the results for Model 3. Recall that the estimated effects of personal and military characteristics in Model 1 reflect a misspecification bias. This bias is largely a result of the variation in personal discount rates within YOS groups. The effect of discount rates on retention is captured properly by the APV(Ret) term. However, because this term is overwhelmed by the current military-civilian pay differential in ACOL, its effect is revealed only indirectly in the estimated coefficients on the personal and military variables. When APV(Ret) is specified in Model 2, the effect of personal discount rates is estimated more directly by the coefficient on this term. The bias on personal and miltary factors in Model 1 is thus reduced substantially.

Because tastes are excluded in the specification of Model 2, the coefficients on personal and military characteristics are not completely unbiased. By including tastes in Model 3 we eliminate the remainder of the bias from these coefficients; the estimated effects of these variables now represent the partial influence of particular personal and military factors on retention.

Military Correlates of Retention. The estimated results indicate some variation in retention across Services, with Navy personnel less likely to remain than either the Army or the Air Force, and Marine Corps officers showing a stronger probability of retention. Within the Navy, officers assigned to a ship exhibit a somewhat lower probability of retention than those assigned to shore duty. The Navy coefficients overall, however, are only marginally significant (with respect to the difference in retention from the Army) which suggests that while there is a noticeable difference in retention between these two groups, its magnitude is not estimated very precisely. Marines, on the other hand, are roughly 14 percentage points more likely to remain than their Army counterparts, and this difference is highly significant.

With the exception of Intelligence officers, all occupational areas have substantially greater retention problems than the reference group (DoD Occupation Code 7: Administration). Based on Model 3, the significant differences in estimated retention probabilities vis-a-vis the Administration group are:

- o Tactical Operations (-24 percentage points)
- o Engineering and Maintenance (-28 percentage points)
- o Scientists and Professionals (-26 percentage points)
- o Medical (-28 percentage points)
- o Supply and Procurement (-19 percentage points)
- o No Occupational Data (-23 perecntage points)

A caveat is in order because of substantial missing data on occupational status. Because of a coding problem in the 1978 DoD Survey, DoD occupational codes do not exist for the majority of Naval officers (see Appendix B in Doering, et al., 1981, for a description of this problem). A separate categorical variable is included for individuals with missing occupational data. Thus, the coefficients on the valid occupational variables primarily reflect occupational differences among Army, Marine Corps, and Air Force officers.

The "No Occupational Data" variable is highly correlated with Navy affiliation. Hence, the coefficients on these two variables are unreliable and should not be used to predict retention differences between Navy and Army officers. The problem is insufficient information with which to disentangle Service effects from occupational effects for the Navy.

In unreported regressions we estimated Models 2 and 3 (1) without the occupational variables but including Navy officers in the sample, and (2) with occupation but excluding Navy personnel from the sample. This analysis indicated that the estimated coefficients for the occupational variables in Models 2 and 3 are reliable estimates of occupational effects for Army, Marine Corps, and Air Force officers. In addition, when Naval officers are included and occupation is dropped from the estimating equation, we find a significantly negative coefficient on the Navy Service term. In light of these findings, we

believe that the occupational effects estimated in Model 3 are accurate indicators of occupational differences among non-naval officers.

Personal Correlates of Retention. We find that blacks have a 26 percentage point higher probability of remaining in the military than nonblacks, other things held constant. This estimate is remarkably similar to the race effect found in the enlisted model. The analysis finds that female officers are more likely to remain in the military than males; an estimated difference of 18 percentage points. In contrast, we found that retention did not differ significantly between male and female enlisted personnel. These results may reflect greater perceived discrimination in the civilian sector coupled with better relative advancement opportunities in the military. Note that the effect of the race variable increases substantially in both magnitude and significance when we go from Model 1 to Models 2 and 3. As explained in Chapter 5, this change is most likely the result of lower discount rates for blacks; a trait that is not evident until the ACOL variable is decomposed.

We find no difference in retention between persons with a Bachelors Degree and those with post-graduate training. Because there is less variation in education among officers than among enlisted personnel, this result is not surprising.

A clear and significant difference in retention probabilities does exist between individuals who graduated from a military academy, and those who did not. In particular, the probability of academy graduates remaining in the military is 21 percentage points lower than for their non-academy counterparts. This difference, however, is not present in Model 1 where discount rates are controlled for only indirectly. If academy graduates have lower discount rates than others, then Model 2 would pick up this effect. The resulting negative association between retention and academy status is thus reflecting an unknown influence that is perplexing. It is possible that this anomolous result is unique to our data and not generalizable.

Family status plays an important role in the stay-leave decisions of officers. With respect to the reference group (single individuals), we find that divorced, widowed, or seperated persons are 15 percentage points more likely to remain in the military. This result may be driven by a causal relationship between marital problems and military service. In addition, individuals who have experienced family turbulence may value the sense of community offered by a military life.

Models 1 and 2 indicate that individuals with a spouse employed in the civilian sector are less inclined to remain in the military than single persons. When taste is added to Model 3, the significance of this coefficient falls slightly (to just below the 10% level), but its magnitude remains almost unchanged. We believe there is a systematic relationship between this variable and retention that probably reflects a geographical preference that would be jeopardized by continued

military service.

Financial assets provide yet another link between personal characteristics and the probability of retention. Consistent with a job search-transaction costs argument, the analysis finds that individuals with nonmortgage debts in excess of $500 have a probability of remaining in the military that is 9 percentage points higher than similar individuals without such debts. Analogously, officers with accumulated savings greater than $500, holding other things constant, are 11 percentage points less likely to remain than others.

Both of these effects support the hypothesis that job mobility incurs costs and financial risks. And to meet both exigencies successfully requires financial resources. To the extent that this condition is met, individuals would face fewer mobility constraints which would lower their predicted retention. Finally, the analysis finds no difference in the probability of retention between homeowners and those who do not own a home.

In summary, the analysis sheds light on the role of personal and military characteristics in the retention decisions of officers. Coupled with the findings on compensation and tastes, these results should assist force managers in understanding the determinants of retention, and in predicting changes in composition and end-strength resulting from the implementation of alternative compensation and manpower policies. We note that the results of the officer analysis, while intuitively logical, stand relatively untested in the retention literature, and we recommend further research in this area to corroborate these results.

TABLE 6.5 ESTIMATED DETERMINANTS OF OFFICER RETENTION

Variable Name	MODEL 1 Partial Derivative	MODEL 1 Chi-Square	MODEL 2 Partial Derivative	MODEL 2 Chi-Square	MODEL 3 Partial Derivative	MODEL 3 Chi-Square
Intercept	0.0894	0.61	-0.9977	56.29 ***	-1.3479	80.16 ***
COMPENSATION						
ACOL	0.0024	2.11				
Current Pay Diff (Mil-Civ)			0.0005	0.07	-0.0018	0.76
APV(Retirement)			0.4596	184.07 ***	0.4378	159.93 ***
TASTE: Military vs Civilian					0.1897	54.60 ***
YEARS OF SERVICE						
YOS < 5	-0.0128	0.07	0.2900	44.28 ***	0.2791	37.19 ***
Current YOS	0.0730	25.43 ***				
SERVICE (Army)						
Navy-Ship Assignment	-0.1350	3.60 *	-0.1404	2.74 *	-0.1550	3.18 *
Navy-No Ship Assignment	-0.0584	1.47	-0.1058	3.66 *	-0.1094	3.64 *
Marine Corps	0.0237	0.36	0.1368	8.89 ***	0.1423	8.64 ***
Air Force	-0.0438	1.24	0.0073	0.03	0.0219	0.20
OCCUPATION (Admin.)						
Tactical Operations	-0.2481	12.22 ***	-0.2408	10.19 ***	-0.2426	8.91 ***
Intelligence	-0.1988	3.10 *	-0.1988	2.43	-0.1715	1.51
Engineering/Maintenance	-0.2645	11.06 ***	-0.2791	10.34 ***	-0.2791	9.01 ***
Scientists/Professionals	-0.2827	10.48 ***	-0.2937	9.28 ***	-0.2627	6.53 ***
Medical	-0.2955	15.08 ***	-0.2991	13.22 ***	-0.2827	10.29 ***
Supply/Procurement	-0.2171	7.75 ***	-0.1806	4.64 **	-0.1897	4.41 **
No Occupational Data	-0.2298	8.94 ***	-0.2408	8.46 ***	-0.2335	7.01 ***
RACE (Nonblack)						
Black	0.0164	0.08	0.2426	13.46 ***	0.2572	13.17 ***
SEX (Male)						
Female	0.0912	5.76 **	0.2006	21.26 ***	0.1751	14.15 ***
AGE AT ENTRY (22 or less)						
> 22 yrs.	0.0255	0.85	0.0456	2.13	0.0347	1.11
MARITAL STATUS (Single)						
Div./Widow/Sep.	-0.0638	1.56	0.1386	5.65 **	0.1514	5.91 **
Spouse in Military	-0.0347	0.32	0.0055	0.01	0.0073	0.01
Spouse working (civilian)	-0.0912	4.16 **	-0.0894	2.84 *	-0.0803	2.11
Spouse not working	0.0365	0.65	0.0201	0.13	-0.0018	0.00
EDUCATION (Bachelors Degree)						
> Bachelors	0.0456	1.51	0.0492	1.31	0.0511	1.30
ACADEMY GRADUATE	-0.0529	0.67	-0.1623	3.80 *	-0.2079	5.60 **
FINANCIAL ASSETS						
Debts > $500	0.0201	0.56	0.0803	6.15 **	0.0912	7.08 ***
Savings > $500	0.0018	0.00	-0.1021	6.35 **	-0.1076	6.23 **
Homeowner	-0.0091	0.10	-0.0383	1.43	-0.0274	0.61
MODEL CHI-SQUARE		142.89 ***		434.37 ***		483.97 ***
SAMPLE SIZE (D.F.)	1325	(26)	1325	(26)	1295	(27)

Notes to Table 6.5

Partial derivative = B * P (1 - P).

where B: logit coefficient
P: probability of retention.

The partial derivates for all variables are evaluated with respect to the average DoD retention probabilities.

Measures of statistical significance apply to the logit coefficients, from which the partial derivatives are derived:

* 10% level of significance
** 5% level of significance
*** 1% level of significance.

7. SUMMARY AND CONCLUSIONS

This study isolates a number of important determinants of military retention among officers and enlisted personnel. In this chapter we summarize the most salient empirical findings and discuss some of their policy implications.

The analysis builds on previous empirical studies that examined military retention with an Annualized Cost of Leaving (ACOL) model. This analysis is unique in several important respects:

- Model estimation is based on individual rather than aggregate data;
- The single ACOL variable is decomposed into separate pay elements to isolate their independent effects on retention;
- The theoretical concept of tastes for military service is measured, and its effect on retention and implied pay elasticities is examined;
- Retention models are estimated for officers as well as enlisted personnel;
- Separate models are estimated for enlisted personnel in each Service; and
- A rich array of personal characteristics is examined to assess its influence on individual stay-leave decisions.

The above extensions to the retention literature provide a number of new insights into the factors that prompt individuals to leave or stay in the military. Our analysis also provides additional evidence that corroborates previous estimates of the pay-retention relationship, even after controlling for the influence of many personal factors typically unavailable in aggregate data.

Measurement of ACOL. The analysis develops a straightforward procedure for calculating ACOL. It is constructed by summing together (1) the difference in current military pay and expected civilian earnings; (2) the annualized present value of SRBs; and (3) the annualized present value of retirement benefits available at 20 years of service. This calculation captures the effects of current pecuniary incentives and two financial spikes that loom in the future -- reenlistment bonuses and retirement benefits.

As noted in Chapter 3, this simpler measure coincides closely with the more theoretically correct ACOL variable. The latter is based on that period of continued service for which the returns to staying are maximized. This requires an iterative procedure to select the optimal future work interval. In practice, however, the ACOL values associated with various employment intervals are highly correlated (Warner and Goldberg, 1982, find correlations in excess of 90%).

A second innovation of our analysis is the decomposition of ACOL into the three pay elements described above. This specification is useful for estimating the influence of the retirement system on individual retention decisions. Decomposition of ACOL also allows us to detect the sources of compensation that have the strongest influence on retention. As discussed in Chapter 3, we expect that variation in ACOL across individuals and over YOS stems principally from the annualized present value of future retirement benefits.

In a cross-section data file such as the DoD Survey, there tends to be relatively little variation in the current military-civilian pay differential. We believe that previous cross-section analyses calculated pay differentials that were essentially constant over YOS. These studies relied on an average imputed civilian wage that moved in concert with military pay over YOS. Therefore, the estimated effect of ACOL should be attributed primarily to variation in the annualized present value of future retirement benefits. In the DoD Survey, however, we find that individual expectations of civilian earnings greatly exceed current military pay. This results in a pay differential in favor of expected civilian earnings that dominates the annualized present value of future retirement benefits. Separating the pay components eliminates this problem.

We recommend that subsequent retention analyses exploit the advantages of time-series data, preferably a pooled cross-section and time-series micro data file. This data source would provide a better opportunity to estimate the effects of current pay differentials on retention as both change over time. A cross-section file is best suited to answer questions dealing with the effects of deferred compensation, such as bonuses and retirement benefits, on retention behavior. Deferred compensation displays substantial variation over YOS and across individuals according to their personal discount rates.

Estimated Retirement Benefit Elasticities. A primary objective of the analysis was to estimate the relationship between retirement benefits and retention. The annualized present value of future retirement benefits, APV(Ret), is used to accomplish this goal. The estimated retention models yield the following DoD-wide elasticities for officers and enlisted personnel:

- o Enlisted -- APV(Ret) elasticity of 2.08 (YOS 2 to 11).
- o Officer -- APV(Ret) elasticity of 1.98 (YOS 2 to 8).

Our results show that these two groups have a similar labor supply response to future retirement benefits. This similarity is strengthened by the fact that their respective logit coefficients are of comparable magnitude. However, the two groups do exhibit different elasticity patterns over YOS: enlisted elasticities are lower for the YOS 2-6 interval than for YOS 7-11, while officer elasticities are higher for YOS 2-4 than for YOS 5-8.

The YOS patterns in APV(Ret) elasticities will influence the predicted effects of a given change in future retirement benefits. Figures 7.1 and 7.2 depict the retention implications of a hypothetical reduction of 15% in future retirement annuities for officers and enlisted personnel. The figures underscore the responsiveness of the military force to changes in deferred compensation. The smallest absolute changes in retention occur in the early years of service and increase progressively with YOS. The predicted retention behavior implies that both the size and shape of the force would be negatively affected by a downward shift in benefits unless compensating policies were implemented.

The analysis also examines whether or not there are systematic differences across Services with respect to the estimated effect of APV(Ret) on retention. We find significant differences in the estimated logit coefficients among the enlisted, but not among the officers. The coefficients, weighted by the respective Service retention rates, yield APV(Ret) elasticities for each branch of the military. These are summarized in Table 7.1. The results show substantial inter-Service variation, a fact that should be taken into account in predicting Service specific effects of a potential change in the retirement system.

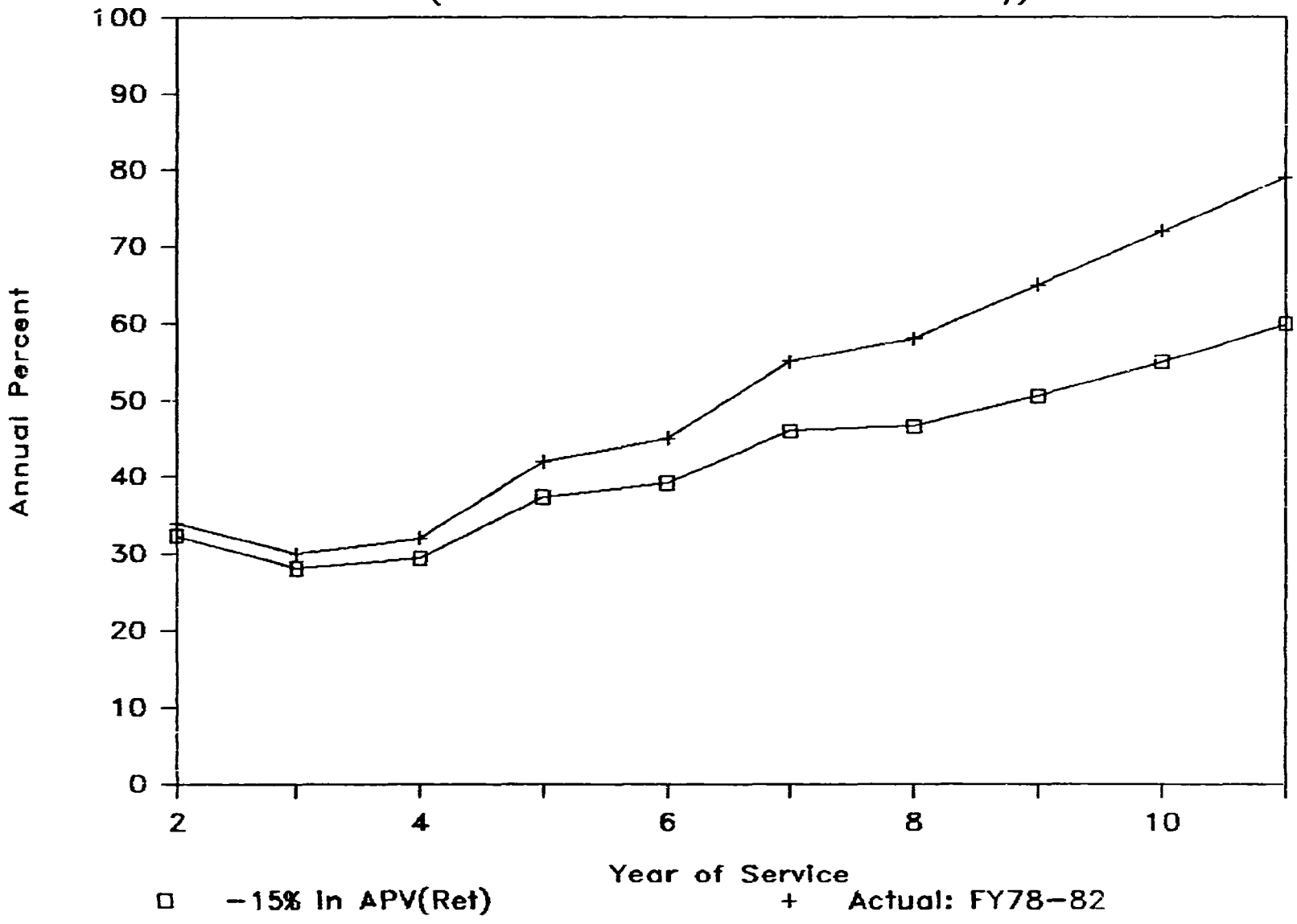
TABLE 7.1

OFFICER AND ENLISTED RETENTION ELASTICITIES: RETIREMENT BENEFITS
(Based on Service and DoD average retention rates)

Service	Officer (YOS 2-8)	Enlisted (YOS 2-11)
Army	1.86	1.87
Navy (ship)	2.41	1.68
Navy (no ship)	2.41	2.23
Marine Corps	1.90	1.89
Air Force	1.96	2.35

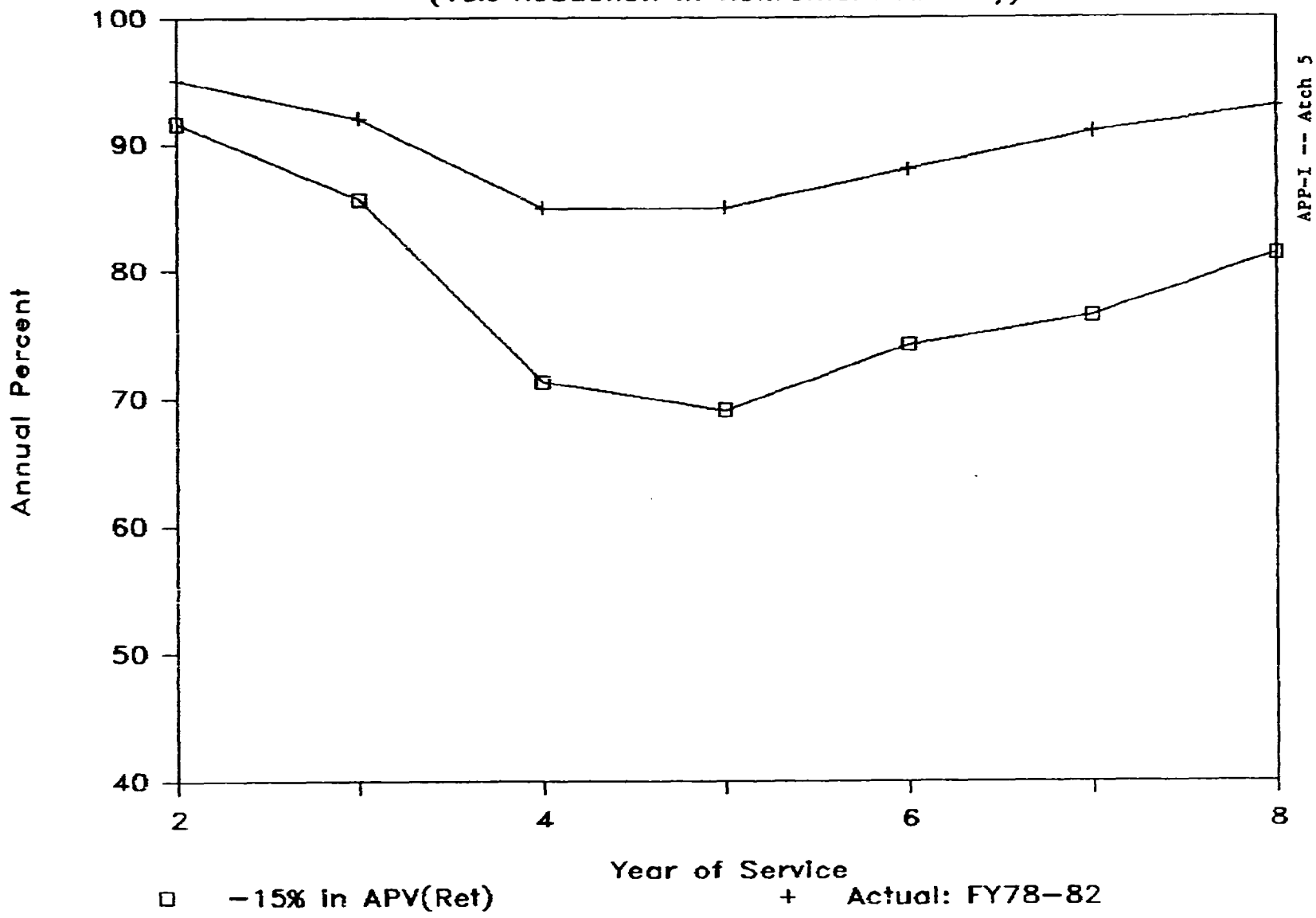
7.1 Predicted Enlisted Retention

(15% Reduction in Retirement Annuity)



7.2 Predicted Officer Retention

(15% Reduction In Retirement Annuity)



APP-I -- Atch 5

The predicted retention effects of a change in retirement benefits are quite large compared to what would be implied from previous military pay elasticity estimates. As discussed in Chapters 5 and 6, our estimates may be overstated because of unobserved tastes for military service that increase over YOS according to the selectivity argument -- both individuals and the Services tend to select one another according to their respective preferences. Therefore, our APV(Ret) effect may reflect the combined influence of the retirement system, unobserved tastes related to YOS, and other aspects of employment preferences linked to service tenure.

Previous studies, however, probably understate the role of the retirement system on retention. Earlier analyses did not decompose ACOL into its pay components. Furthermore, most of these models were estimated for first-term enlistees for whom the annualized present value of retirement benefits is of negligible importance. If individuals respond differently to different sources of current and deferred income, it is quite possible that with a sample encompassing a wider YOS span and a model specification that permitted differential effects, a larger effect would be obtained on the retirement benefit component.

Tastes for the Military. A unique contribution of this study is its examination of (1) how individuals' tastes for military service influence retention, and (2) how the exclusion of tastes in retention models affects estimated pay elasticities. In particular, the DoD Survey provides information on how individuals rank civilian employment vis-a-vis their present military job. Several aspects of the job environment are addressed, and we focus on satisfaction with respect to nonpecuniary job attributes. The analysis estimates the retention effects of an overall Taste Index as well as its components for both officers and enlisted personnel.

The results suggest that the probability of staying in the military is significantly related to tastes. While not surprising, these estimates provide some of the first empirical evidence documenting the role of tastes. Specifically, we find that both officer and enlisted retention display a similar relationship to tastes (partial derivatives of .22 and .19, respectively). Although the partial derivatives and average values of the taste measures are roughly the same for the two groups, their calculated elasticities are distinctly different. This is because the latter are evaluated at different points along the retention function (mean retention probability of .32 and .76 for enlisted and officers, respectively).

Tastes have a significant influence on retention that is independent of other factors in the model. This has a direct policy implication because changes that shift the underlying taste distribution of the military population will also affect retention. Since changes in tastes evolve slowly, however, this effect would not be immediate.

Omission of tastes in retention models has stimulated concern that pay elasticities derived from estimated coefficients may be biased. Our analysis suggests that this is indeed the case, but the potential bias may be small. The analysis finds that among enlisted personnel, the DoD-wide APV(Ret) elasticity is reduced by 10% when tastes are included in the retention model. For officers, the reduction is about 5%. To the extent that our elasticities are precise, these differences would make a substantial difference in policy evaluation. However, given the confidence intervals that surround these estimates, one could conclude that the APV(Ret) elasticities are relatively unaffected by the exclusion of tastes in retention models -- insofar as they are proxied by the Taste Index measured by the DoD Survey.

Figure 7.3 illustrates the potential bias in predicted retention when tastes are excluded from the estimating equation. A hypothetical 15% reduction in the retirement annuity is simulated for the enlisted force. The implications for officers are not depicted because of the difficulty in discerning the effects graphically. The figure shows a modest overstatement of the retention responses over YOS when tastes are not taken into account.

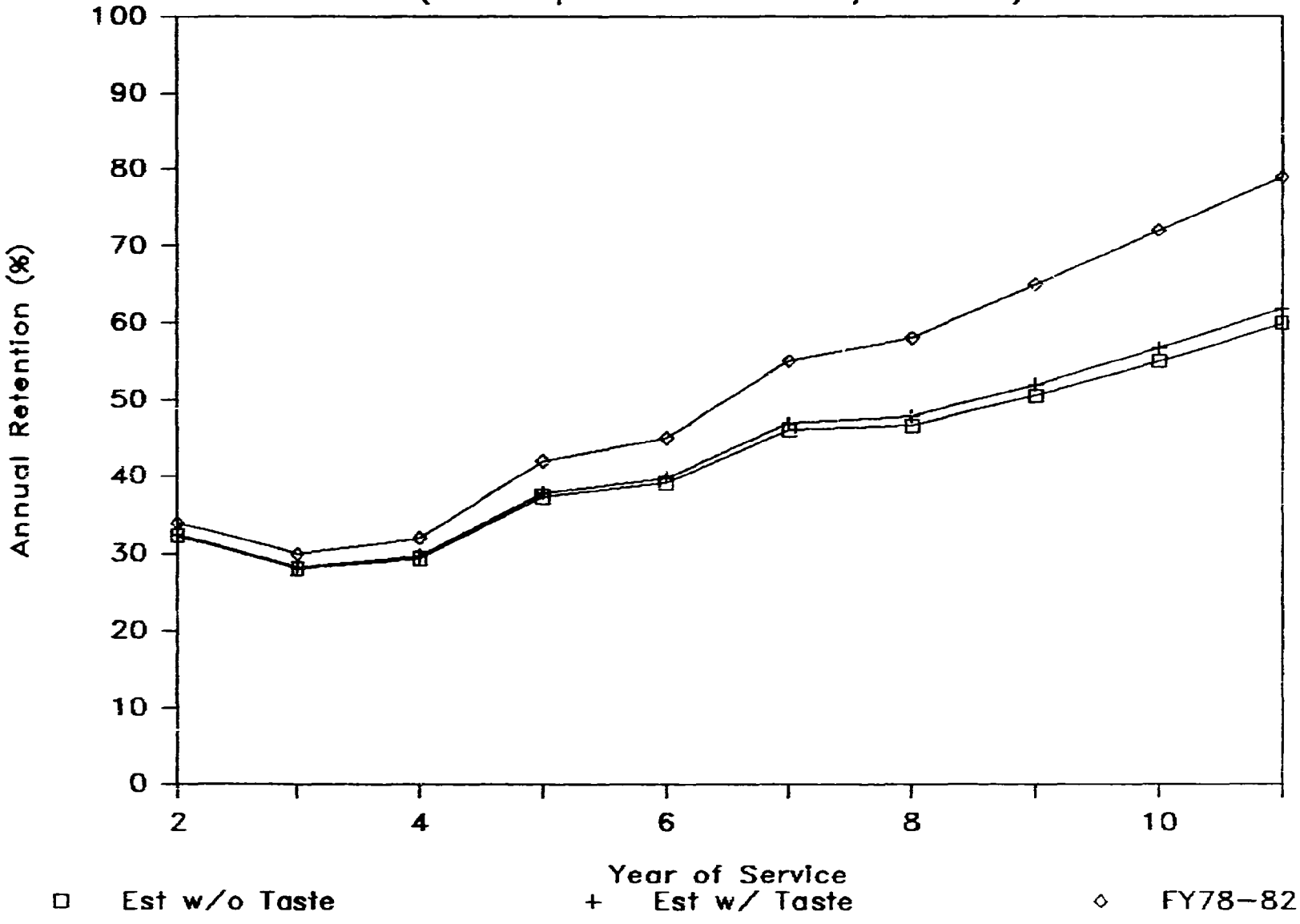
A more salient result concerns the unknown effect of "selectivity bias" in retention analyses (whereby average tastes for the military rise with YOS). Taken at face value, our Model 2 and 3 results suggest that selectivity is not a significant factor; estimated compensation effects are quite robust with regard to tastes being in or out of the model. In addition, tabular analysis of the Taste Index found that its average value differs only slightly across YOS groups. In contrast, within YOS group variation is very large. For example, average Index values for the enlisted increase from about 1.9 to 2.4 across YOS 2 to 11, whereas the standard deviation within a YOS group is approximately .70.

The cross-sectional rather than temporal variation in the Index may be interpreted in two opposing ways. First, it may provide evidence that taste (or more correctly, job satisfaction) does not increase with YOS. This would run counter to the selectivity argument that predicts a rising average value. Based on this interpretation we would conclude that selectivity may not be as serious a problem as commonly feared. To the extent that the Taste Index is an accurate measure of tastes, this conclusion is convincing. A second interpretation would use the tabular results as evidence that the Index is not adequately capturing the unobserved taste phenomenon which is believed to increase substantially with YOS. Therefore, the findings with respect to omitted variable bias must be held in abeyance until further research is conducted.

Personal Characteristics. The estimation yields a number of insights into the personal correlates of retention. Although these factors are not as amenable to policy as is compensation, the results do enhance our general understanding of what motivates an individual to

7.3 Prediction Bias Without Tastes

(15% Drop In Retirement Pay: Enlisted)



leave or stay in the military.

A significant finding is that black officers and enlisted persons are more likely to remain in the military than nonblacks, other things equal. We find female officers are more likely to stay than their male counterparts, although we do not find a gender difference in retention propensities among the enlisted. These findings suggest that blacks perceive greater career opportunities in the military than in the civilian sector. The explanation behind the higher retention propensity among female officers is twofold. On the one hand, females may perceive greater opportunities early in their career (YOS 2-8) as a commissioned military officer than would otherwise be available to them in the civilian sector. On the other hand, the military has not been a traditional career path for females. Women who enter the military may have a comparatively higher taste for military service than males and are therefore more likely to remain.

Marital status and the nature of spouse employment also affect retention propensities. Although the estimated effects differ for officers and the enlisted, as well as by Service among the enlisted, several systematic patterns emerge. Compared to single individuals, officers and enlisted personnel who are divorced, widowed, or separated exhibit a stronger tie to the military. This may imply a link between military service and marital strife, as well as a sense of community for those experiencing family turbulence. Enlisted personnel with a spouse in the military or a spouse not currently working are more likely to remain in the military than single enlisted. The former suggests a family-wide commitment to the military, while the latter suggests fewer outside ties to inhibit retention. Although further analysis is needed in this area, the results indicate that the family-military interface is a relevant factor in retention decisions and, therefore, should be of interest to policy-makers.

Finally, the financial status of service members influences an individual's ability to take risks and defray the costs of switching jobs if a decision to leave is made. Both officers and the enlisted appear to make retention decisions that are positively influenced by the possession of liquid assets. In addition, nonmortgage debts are estimated to discourage exits from the military.

In summary, the analysis sheds light on a number of factors that previously have been omitted from retention analyses because of data limitations. The results provide important confirmation of previous estimates of pay elasticities for enlisted personnel. In addition, separate enlisted models are estimated by Service to provide the Services with results that are unique to their environment. Furthermore, the study has broadened the scope of the retention literature by examining the determinants of officer stay-leave decisions. A unique contribution of the study is an examination of the role of tastes for military service and a detailed investigation of the personal correlates of retention. The combination of evidence produced by the estimated

models should assist the Services and the DoD in designing more effective policies with which to manage both the officer and the enlisted force.

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APPENDICES

A: SURVEY QUESTION USED TO CONSTRUCT THE TASTE INDEX.

B: GROWTH IN ACOL OVER YEARS OF SERVICE.

C: LOGIT COEFFICIENTS FOR ESTIMATED DOD MODELS.

D: ESTIMATED DETERMINANTS OF ENLISTED RETENTION: BY SERVICE.

SURVEY QUESTION AND RESPONSES USED TO CONSTRUCT THE TASTE INDEX

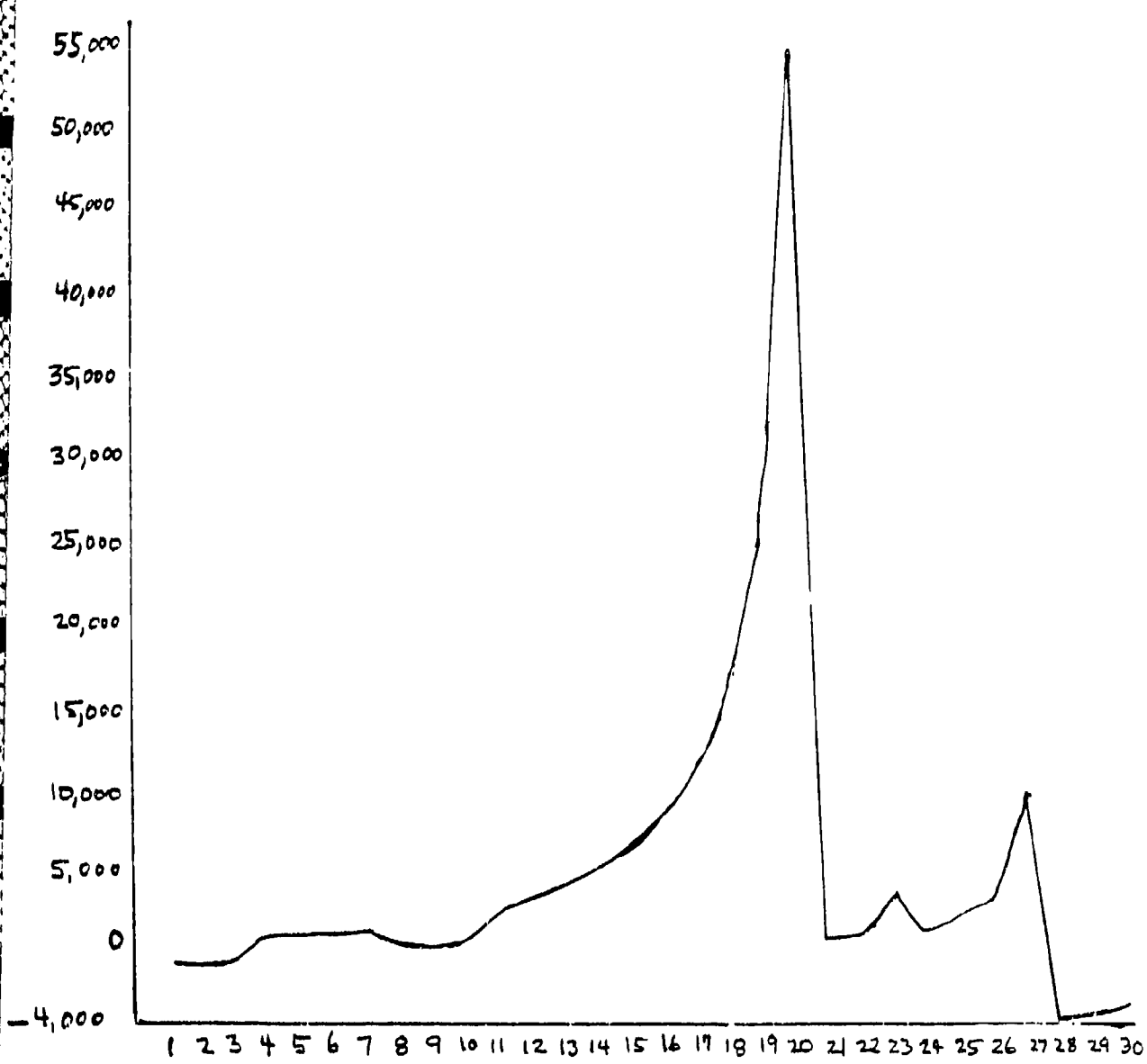
93. If you were to leave the service NOW and take a civilian job, how do you think that job would compare with your present military job in regard to the following work conditions?

WORK CONDITIONS	CIVILIAN JOB WOULD BE A LOT BETTER	CIVILIAN JOB WOULD BE SLIGHTLY BETTER	ABOUT THE SAME IN A CIVILIAN AND MILITARY JOB	CIVILIAN JOB WOULD BE SLIGHTLY WORSE	CIVILIAN JOB WOULD BE A LOT WORSE
The immediate supervisors	1	2	3	4	5
Having a say in what happens to me	1	2	3	4	5
The retirement benefits	1	2	3	4	5
The medical benefits	1	2	3	4	5
The chance for interesting and challenging work	1	2	3	4	5
The wages or salaries	1	2	3	4	5
The chance for promotion	1	2	3	4	5
The opportunities for training	1	2	3	4	5
The people I work with	1	2	3	4	5
The work schedule and hours of work	1	2	3	4	5
The job security	1	2	3	4	5
The equipment I would use on the job	1	2	3	4	5
The location of the job	1	2	3	4	5

Source: Doering, et al. (1981). 1978 DoD Survey of Officers and Enlisted Personnel: User's Manual and Codebook, p. 283.

Appendix B

GROWTH IN ACOL OVER YEARS OF SERVICE



Maximum values of A_{s*} under the current compensation system by years of service.

Source: Enns, Nelson, Warner (1983). "Retention and Retirement: The Case of the U.S. Military."

APPENDIX C

LOGIT COEFFICIENTS FOR ESTIMATED DOD MODELS

This appendix presents the logit coefficients estimated by Models 1, 2 and 3 for the officer and enlisted samples. These coefficients are used to calculate the partial derivatives discussed in Chapters 5 and 6. However, we draw the reader's attention to the fact that the partial derivatives for the APV(retirement) variable presented in Tables 5.1 and 5.5 are evaluated with respect to Service specific retention rates. Specifically,

$$\frac{\partial P}{\partial APV(Ret)} = (B_{Army} + B_s) * [P_s(1 - P_s)]. \qquad (C.1)$$

where B: estimated logit coefficient
P: retention probability
s: Service.

Note that for the enlisted analysis Models 2 and 3 include Service-APV(Ret) interaction terms to obtain estimates of how the coefficients on APV(Ret) differ for each Service vis-a-vis the reference group (Army). In order to obtain the total APV(Ret) effect for a Service, the coefficient on its interaction term must be added to that for the reference group (this is shown by the first parenthetical expression on the right side of equation C.1). Partial derivatives are then calculated by weighting the respective total logit coefficients by each Service's mean retention according to , P (1-P).

For officers, the APV(Ret) coefficient does not vary by Service. Hence, Service specific APV(Ret) partial derivatives are found by weighting the logit coefficient by each Service's mean retention. The partial derivatives of all other variables are evaluated with respect to average DoD retention probabilities.

Table C.3 presents mean values for retention, ACOL, APV(retirement), current pay difference (military-civilian), and the Taste Index by YOS for the enlisted and officer samples. Overall DoD averages for these variables are also reported.

Levels of significance for the logit coefficients are denoted by astericks: * 10%, ** 5%, *** 1%.

TABLE C.1 LOGIT COEFFICIENTS FOR ENLISTED RETENTION MODEL

Variable Name	MODEL 1 Logit Coefficient	MODEL 1 Chi-Square	MODEL 2 Logit Coefficient	MODEL 2 Chi-Square	MODEL 3 Logit Coefficient	MODEL 3 Chi-Square
Intercept	-1.63	131.75 ***	-3.17	259.01 ***	-5.07	417.83 ***
YEAR/PRIOR BONUS (Term 1-bonus)						
Term 1-no bonus	-0.21	5.16 **				
Term 2-bonus	0.95	99.22 ***				
Term 2-no bonus	1.41	112.19 ***				
Term 3-bonus	1.93	98.17 ***				
Term 3-no bonus	2.52	156.51 ***				
PRIOR REENLISTMENT BONUS			-0.95	103.30 ***	-0.94	89.87 ***
COMPENSATION						
ACOL	0.02	12.39 ***				
Current Pay Diff (Mil-Civ)			0.01	2.30	-0.01	2.72 *
APV(Retirement)			3.15	342.09 ***	2.76	238.55 ***
APV(expected SRB)			0.04	0.53	0.01	0.01
Eligible for SRB			-0.12	1.06	-0.04	0.12
APV(RETIREMENT)*SERVICE (APV*Army)						
APV(Ret)*Navy-Ship Assignment			-0.87	15.09 ***	-0.82	12.01 ***
APV(Ret)*Navy-No Ship Assignment			-0.51	6.33 **	-0.41	3.56 *
APV(Ret)*Marine Corps			-0.62	10.46 ***	-0.53	6.76 ***
APV(Ret)*Air Force			0.39	3.20 *	0.62	6.94 ***
TASTE: Military vs Civilian					1.01	345.89 ***
SERVICE (Army)						
Navy-Ship Assignment	-0.11	1.07	0.17	0.45	0.17	0.37
Navy-No Ship Assignment	0.16	2.91 *	-0.09	0.14	-0.25	0.80
Marine Corps	0.07	0.67	0.10	0.21	-0.01	0.00
Air Force	0.31	11.53 ***	-0.77	9.32 ***	-1.18	18.94 ***
OCCUPATION (Admin.)						
Infantry,Seaman,Gun Crew	-0.36	10.68 ***	-0.14	1.25	-0.13	0.94
Electronic Repair	-0.61	30.18 ***	-1.05	46.46 ***	-0.96	51.19 ***
Communications/Intell.	-0.14	1.72	-0.38	8.32 ***	-0.28	4.00 **
Medical/Dental	-0.48	10.62 ***	-0.68	16.93 ***	-0.59	10.94 ***
Other Tech/Allied Spcs.	0.15	0.60	0.26	1.45	0.39	3.01 *
Elec/Mech Repair	-0.22	6.93 ***	-0.41	18.43 ***	-0.34	11.05 ***
Craftsman	-0.15	0.90	-0.22	1.51	-0.24	1.49
Service/Supply	-0.14	2.09	0.02	0.02	0.08	0.39
RACE (Nonblack)						
Black	0.50	42.67 ***	1.18	192.51 ***	1.01	114.36 ***
SEX (Male)						
Female	0.11	1.16	0.08	0.50	-0.01	0.02
AGE AT ENTRY (19 or less)						
> 19 yrs.	0.07	1.24	0.17	4.91 **	0.13	2.69 *
MARITAL STATUS (Single)						
Div./Widow/Sep.	-0.05	0.20	0.25	4.21 **	0.25	3.73 *
Spouse in Military	0.51	13.70 ***	0.44	8.42 ***	0.34	4.41 **
Spouse working (civilian)	0.20	3.22 **	-0.10	1.04	-0.07	0.43
Spouse not working	0.50	41.51 ***	0.24	7.63 ***	0.24	6.56 ***
EDUCATION (High School Grad)						
< High School	0.09	0.27	0.53	8.43 ***	0.44	4.34 **
> High School	0.18	7.70 ***	0.11	2.36	0.16	4.19 **
FINANCIAL ASSETS						
Debts > $500	0.24	13.66 ***	0.02	0.05	0.10	1.53
Savings > $0	0.26	9.51 ***	-0.48	27.04 ***	-0.37	30.02 ***
Homeowner	-0.18	4.17 **	-0.40	15.32 ***	-0.35	10.42 ***
MODEL CHI-SQUARE		1107.00 ***		2275.29 ***		2473.20 ***
SAMPLE SIZE (D.F.)	6506	(30)	6506	(33)	6048	(34)

TABLE C.2 LOGIT COEFFICIENTS FOR OFFICER RETENTION MODEL

Variable Name	MODEL 1 Logit Coefficient	MODEL 1 Chi-Square	MODEL 2 Logit Coefficient	MODEL 2 Chi-Square	MODEL 3 Logit Coefficient	MODEL 3 Chi-Square
Intercept	0.49	0.61	-5.47	56.29 ***	-7.39	80.16 ***
COMPENSATION						
ACOL	0.01	2.11				
Current Pay Diff (Mil-Civ)			.00	0.07	-0.01	0.76
APV(Retirement)			2.52	184.07 ***	2.40	159.93 ***
TASTE: Military vs Civilian					1.04	54.60 ***
YEARS OF SERVICE						
YOS < 5	-0.07	0.07	1.59	44.28 ***	1.53	37.19 ***
Current YOS	0.40	25.43 ***				
SERVICE (Army)						
Navy-Ship Assignment	-0.74	3.60 *	-0.77	2.74 *	-0.85	3.18 *
Navy-No Ship Assignment	-0.32	1.47	-0.58	3.66 *	-0.60	3.64 *
Marine Corps	0.13	0.36	0.75	8.89 ***	0.78	8.64 ***
Air Force	-0.24	1.24	0.04	0.03	0.12	0.20
OCCUPATION (Admin.)						
Tactical Operations	-1.36	12.22 ***	-1.32	10.19 ***	-1.33	8.91 ***
Intelligence	-1.09	3.10 *	-1.09	2.43	-0.94	1.51
Engineering/Maintenance	-1.45	11.06 ***	-1.53	10.34 ***	-1.53	9.01 ***
Scientists/Professionals	-1.55	10.48 ***	-1.61	9.28 ***	-1.44	6.53 ***
Medical	-1.62	15.08 ***	-1.64	13.22 ***	-1.55	10.29 ***
Supply/Procurement	-1.19	7.75 ***	-0.99	4.64 **	-1.04	4.41 **
No Occupational Data	-1.26	8.94 ***	-1.32	8.46 ***	-1.28	7.01 ***
RACE (Nonblack)						
Black	0.09	0.08	1.33	13.46 ***	1.41	13.17 ***
SEX (Male)						
Female	0.50	5.76 **	1.10	21.26 ***	0.96	14.15 ***
AGE AT ENTRY (22 or less)						
> 22 yrs.	0.14	0.85	0.25	2.13	0.19	1.11
MARITAL STATUS (Single)						
Div./Widow/Sep.	-0.35	1.56	0.76	5.65 **	0.83	5.91
Spouse in Military	-0.19	0.32	0.03	0.01	0.04	0.01 **
Spouse working (civilian)	-0.50	4.16 **	-0.49	2.84 *	-0.44	2.11
Spouse not working	0.20	0.65	0.11	0.13	-0.01	0.00
EDUCATION (Bachelors Degree)						
> Bachelors	0.25	1.51	0.27	1.31	0.28	1.30
ACADEMY GRADUATE	-0.29	0.67	-0.89	3.80 *	-1.14	5.60 **
FINANCIAL ASSETS						
Debts > $500	0.11	0.56	0.44	6.15 **	0.50	7.08 ***
Savings > $500	0.01	0.00	-0.56	6.35 **	-0.59	6.23 **
Homeowner	-0.05	0.10	-0.21	1.43	-0.15	0.61
MODEL CHI-SQUARE		142.89 ***		434.37 ***		483.97 ***
SAMPLE SIZE (D.F.)	1325	(26)	1325	(26)	1295	(27)

TABLE C.3 WEIGHTED DOD MEANS OF SELECTED VARIABLES BY YOS
(OFFICER AND ENLISTED)

	YOS (Years)	Retention	ACOL ($1000's)	APV Retirement ($1000's)	Current Pay Diff (Mil-Civ) ($1000's)	Taste Index (1-5)
ENLISTED:						
	2	0.21	-4.78	0.54	-5.69	1.87
	3	0.19	-4.77	0.73	-6.06	1.97
	4	0.39	-4.33	0.88	-5.95	2.11
	5	0.29	-4.91	1.08	-6.65	2.11
	6	0.42	-5.08	1.25	-6.60	2.10
	7	0.49	-4.68	1.58	-6.53	2.22
	8	0.64	-4.66	1.92	-6.82	2.28
	9	0.63	-4.39	2.34	-7.12	2.19
	10	0.80	-4.93	2.81	-7.75	2.29
	11	0.91	-3.51	3.48	-7.08	2.37
	2-11	0.32	-4.73	1.07	-6.23	2.10
OFFICER:						
	2	0.53	-2.79	1.88	-4.63	2.12
	3	0.64	-4.33	2.27	-6.38	2.12
	4	0.76	-0.95	2.85	-4.01	2.25
	5	0.77	-2.96	3.30	-6.59	2.29
	6	0.84	-2.12	3.45	-5.97	2.21
	7	0.90	-1.13	4.68	-5.97	2.23
	8	0.85	1.40	4.71	-3.37	2.31
	2-8	0.78	-2.32	3.27	-5.65	2.21

APPENDIX D

ESTIMATED DETERMINANTS OF ENLISTED RETENTION: BY SERVICE

In an auxiliary analysis, we estimated Service specific retention equations for enlisted personnel. Tables D.1 - D.4 in this appendix report the estimated partial derivatives for Models 2 and 3 for enlisted personnel by Service. These tables are analogous to Table 5.5, except that the partial derivatives are evaluated with respect to Service specific retention rates. Service means for the current pay differential and the APV(retirement) are noted to facilitate calculation of Service elasticities.

Below we summarize and contrast the estimated partial effects of the exogenous variables for each of the Services. Our findings reflect qualitative differences between the Services, and highlight a number of retention issues that, while consistent with a more general DoD-wide retention model, are particularly germane to a specific Service focus.

Compensation. For reasons discussed in the text (e.g. cross-section data), retention equations based on the 1978 DoD Survey are unable to attribute a significant role to current pay differentials as a determinant of retention behavior. The Service specific models, with the exception of the Air Force which shows a small and marginally significant coefficient on this variable, are consistent with this finding.

The APV(retirement) variable, on the other hand, is a very important determinant of retention for all four Services. The partial derivatives range from 1.07 for the Air Force to .46 for the Marine Corps, with the Navy and the Army both around .64. The unusally high coefficient for the Air Force may reflect a different time horizon for career decisions among personnel in this Service.

The APV(expected SRB) coefficient generally is insignificant, although the Air Force results do imply a 10 percentage point increase in retention attributable to an increase in this variable. However, the categorical term indicating eligibility for a selective reenlistment bonus exhibits a significant influence on retention in all Services except the Army. Both the Air Force and the Navy have sizable negative partial effects (-.25 and -.13, respectively), while the Marine Corps has a positive effect of .14. This contrast may exist for two reasons. First, the change in sign may indicate that in spite of a selective reenlistment bonus program, the Navy and the Air Force still face a retention problem in key occupational areas, while the Marine Corps may be paying out more SRB's than is necessary to maintain parity. Second, this finding may reflect the fact that the Marine Corps, unlike the Air Force or the Navy, uses relatively general occupational groupings to determine SRB eligibility. Thus, this variable is measuring a more heterogenous group for the Marine Corps than for the other Services, and

its coefficient may be reflecting the influence of other factors.

Finally, we note that receipt of a reenlistment bonus in the current term has a significantly negative effect on retention across all Services. The magnitude of this effect is greatest for the Air Force and Marine Corps, with a somewhat diminished influence for the Navy and the Army.

Taste. We found taste for the military to be an important predictor of retention in our DoD-wide analysis. Service specific findings are consistent with this result. The partial derivative on taste ranges from .26 for the Air Force to .19 for the Marine Corps. In all cases the coefficient is highly significant.

Occupation. The reference group for the occupational variables is Functional Support and Administration (DoD 1-digit occupation code 5). The effect of a standard infantry, seaman, airman occupation (DoD 1-digit grouping of 0) is not significantly different from the reference group for any of the Services. Individuals employed as Electronics Repairmen have a substantially lower probability of retention (partial derivatives ranging from -.24 (Army) to -.17 (Marine Corps)) across all Services, as do individuals in the Medical and Dental grouping. Personnel in Communications and Intelligence are less likely to reenlist in all Services other than the Navy. Electrical and Mechanical Repairmen also exhibit a lower retention propensity in all Services other than the Army. Finally, Other Technical and Allied Specialists and Craftsmen in the Air Force are less likely to reenlist than the reference group.

These occupational results are consistent with the conventional wisdom among the Services regarding problem areas, and along with the findings on selective reenlistment bonuses, offer force managers documentation to support their continuing efforts in this area.

Demographics. Our Service analysis finds blacks exhibiting a substantially higher retention probability than nonblacks The partials range from .34 for the Air Force to .19 for the Marine Corps. This result is consistent with the general DoD analysis, as is the insignificance of sex as a determinant of retention across Services. The employment status of a married individual's spouse, however, does have a significant impact on retention that differs across Services. Divorced, widowed, and separated individuals (the reference group is single) in the Air Force and Marine Corps show a higher retention propensity while such individuals in the Army and Navy remain indistinguishable from single personnel. Persons with a spouse in the military are more likely to reenlist in the Air Force and Army, and individuals with a spouse working in the civilian sector show a lower propensity to remain in the Navy than the reference group. Finally, Air Force personnel whose spouse is unemployed are more likely to stay than their single counterparts.

Indivduals in the Air Force, Army, and Navy with less than a high school education are more likely to reenlist than high school graduates in these areas. In addition, members of the Navy with a post-high school

education are also more likely to remain than their high school graduate counterparts.

Finally, the analysis finds no relationship between debts and the probability of retention in the four Services. However, savings have a significant and negative effect on retention in all four. This effect is strongest for the Air Force and Navy, and somewhat more marginal for the Marine Corps and Army. This finding is probably a proxy for financial solvency which reduces the financial risk of leaving the military and searching for a job in the civilian sector. An indicator of geographic ties is home ownership. Recall that this variable had a negative and significant effect on retention in the DoD-wide analysis. In the Service specific models, this term is significant only for the Air Force. However, its magnitude (-.18 percentage points), coupled with the marginally insignificant negative coefficients on this variable for the other Service, is sufficient to make home ownership a significant determinant of retention in the overall DoD model.

TABLE D.1 ESTIMATED DETERMINANTS OF ARMY RETENTION: ENLISTED

Variable Name	MODEL 2 Partial Derivative	MODEL 2 Chi-Square	MODEL 3 Partial Derivative	MODEL 3 Chi-Square
Intercept	-0.6909	123.07 ***	-1.1235	160.05 ***
COMPENSATION				
Current Pay Diff (Mil-Civ)	0.0044	1.67	-0.0006	0.03
APV(Retirement)	0.6363	209.24 ***	0.5922	158.57 ***
APV(expected SRB)	0.0567	0.59	0.0189	0.05
Eligible for SRB	0.0336	0.17	0.0777	0.77
PRIOR REENLISTMENT BONUS	-0.0693	3.79 **	-0.1092	7.99 ***
TASTE: Military vs Civilian			0.2163	81.26 ***
OCCUPATION (Admin.)				
Infantry	-0.0693	2.30	-0.0210	0.16
Electronic Repair	-0.2436	10.11 ***	-0.1995	5.87 **
Communications/Intell.	-0.1449	6.41 **	-0.1029	2.77 *
Medical/Dental	-0.2205	10.22 ***	-0.1386	3.52 *
Elec/Mech Repair	-0.0777	1.95	-0.0063	0.01
Other Tech/Allied & Craftsmen	0.0651	0.84	0.0832	1.18
Service/Supply	-0.0357	0.46	-0.0042	0.00
RACE (Nonblack)				
Black	0.2646	57.31 ***	0.2583	43.18 ***
SEX (Male)				
Female	0.0004	0.00	-0.0147	0.09
AGE AT ENTRY (19 or less)				
> 19 yrs.	0.0462	2.01	0.0441	1.55
MARITAL STATUS (Single)				
Div./Widow/Sep.	0.0672	1.53	0.0693	1.38
Spouse in Military	0.1617	6.19 **	0.1239	2.93 *
Spouse working (civilian)	-0.0315	0.39	-0.0357	0.47
Spouse not working	0.0420	1.24	0.0420	0.99
EDUCATION (High School Grad)				
< High School	0.1491	4.34 **	0.0777	0.84
> High School	-0.0252	0.55	-0.0336	0.86
FINANCIAL ASSETS				
Debts > $500	-0.0294	0.86	-0.0105	0.10
Savings > $0	-0.0714	3.09 *	-0.1092	5.39 **
Homeowner	-0.0777	2.38	-0.0504	0.86
MODEL CHI-SQUARE		505.67 ***		540.69 ***
SAMPLE SIZE (D.F.)	1383	(24)	1255	(25)

Note: * - significant at the 10% level.
** - significant at the 5% level.
*** - significant at the 1% level.

Partial Derivative = B * [P (1 - P)].

where B: logit coefficient
P: retention probability.

Means:
Retention = .30
Current Pay Diff = 7.53 ($1000's)
APV(Retirement) = .85 ($1000's)

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TABLE D.2 ESTIMATED DETERMINANTS OF NAVY RETENTION: ENLISTED

Variable Name	MODEL 2 Partial Derivative	MODEL 2 Chi-Square	MODEL 3 Partial Derivative	MODEL 3 Chi-Square
Intercept	-0.6980	135.40 ***	-1.0913	184.45 ***
COMPENSATION				
Current Pay Diff (Mil-Civ)	0.0019	0.43	-0.0041	1.29
APV(Retirement)	0.6403	233.25 ***	0.5806	184.12 ***
APV(expected SRB)	0.0185	1.40	0.0103	0.38
Eligible for SRB	-0.1338	9.82 ***	-0.1297	8.01 ***
PRIOR REENLISTMENT BONUS	-0.3418	76.50 ***	-0.3253	62.77 ***
TASTE: Military vs Civilian			0.2069	100.65 ***
OCCUPATION (Admin.)				
Seaman	-0.0865	1.69	-0.1956	5.69 **
Electronic Repair	-0.2368	26.80 ***	-0.2183	21.31 ***
Communications/Intell.	0.0006	0.00	0.0144	0.10
Medical/Dental	-0.1627	8.20 ***	-0.1647	7.63 ***
Elec/Mech Repair	-0.0659	3.88 **	-0.0577	2.71 *
Other Tech/Allied & Craftsmen	-0.0988	2.40	-0.0700	1.06
Service/Supply	0.0824	2.01	0.1071	2.81 *
RACE (Nonblack)				
Black	0.2615	62.13 ***	0.2450	46.05 ***
SEX (Male)				
Female	-0.0185	0.17	-0.0432	0.82
AGE AT ENTRY (19 or less)				
> 19 yrs.	0.0268	0.96	0.0268	0.82
MARITAL STATUS (Single)				
Div./Widow/Sep.	-0.0371	0.69	-0.0185	0.16
Spouse in Military	0.0206	0.11	0.0062	0.01
Spouse working (civilian)	-0.0741	4.30 **	-0.0638	2.66 *
Spouse not working	0.0350	1.25	0.0124	0.15
EDUCATION (High School Grad)				
< High School	0.1833	8.19 ***	0.1812	6.19 **
> High School	0.1112	17.50 ***	0.1215	17.92 ***
FINANCIAL ASSETS				
Debts > $500	-0.0144	0.31	-0.0041	0.02
Savings > $0	-0.1256	13.29 ***	-0.1668	18.77 ***
Homeowner	-0.0597	2.57	-0.0577	2.08
SHIP ASSIGNMENT	0.0371	0.34	0.0638	0.90
APV(RET)*SHIP ASSIGNMENT	-0.0679	2.14	-0.0741	2.21
MODEL CHI-SQUARE		672.99 ***		746.32 ***
SAMPLE SIZE (D.F.)	2099	(26)	1966	(27)

Note: * - significant at the 10% level.
** - significant at the 5% level.
*** - significant at the 1% level.

Partial Derivative = B * [P (1 - P)].

where B: logit coefficient
P: retention probability.

Means:
Retention = .29
Current Pay Diff = 7.65 ($1000's)
APV(Retirement) = 1.15 ($1000's)

TABLE D.3 ESTIMATED DETERMINANTS OF MARINE CORPS RETENTION: ENLISTED

Variable Name	MODEL 2 Partial Derivative	MODEL 2 Chi-Square	MODEL 3 Partial Derivative	MODEL 3 Chi-Square
Intercept	-0.6391	115.40 ***	-1.0342	152.60 ***
COMPENSATION				
Current Pay Diff (Mil-Civ)	-0.0020	0.90	-0.0060	6.35 **
APV(Retirement)	0.4596	197.20 ***	0.3931	142.43 ***
APV(expected SRB)	-0.0363	0.99	-0.0464	1.48
Eligible for SRB	0.1389	4.08 **	0.1774	5.63 **
PRIOR REENLISTMENT BONUS	-1.2902	12.44 ***	-0.1169	8.96 ***
TASTE: Military vs Civilian			0.1895	65.09 ***
OCCUPATION (Admin.)				
Infantry	-0.0343	0.59	-0.0262	0.28
Electronic Repair	-0.1774	8.26 ***	-0.1331	4.53 **
Communications/Intell.	-0.0806	1.85	-0.0706	1.23
Medical/Dental				
Elec/Mech Repair	-0.1593	12.39 ***	-0.1331	7.76 ***
Other Tech/Allied & Craftsmen	0.0397	0.45	0.0484	0.57
Service/Supply	0.0282	0.37	0.0464	0.75
RACE (Nonblack)				
Black	0.1875	25.30 ***	0.1068	6.42 **
SEX (Male)				
Female	0.0423	0.49	0.0564	0.76
AGE AT ENTRY (19 or less)				
> 19 yrs.	0.0444	1.30	0.0262	0.40
MARITAL STATUS (Single)				
Div./Widow/Sep.	0.1048	3.94 **	0.0968	2.79 *
Spouse in Military	-0.0006	0.00	-0.0323	0.11
Spouse working (civilian)	0.0202	0.24	0.0242	0.28
Spouse not working	0.0444	1.44	0.0645	2.58
EDUCATION (High School Grad)				
< High School	-0.0121	0.03	-0.0504	0.35
> High School	0.0040	0.01	0.0161	0.20
FINANCIAL ASSETS				
Debts > $500	-0.0040	0.01	0.0060	0.02
Savings > $0	-0.0867	4.62 **	-0.0746	2.56
Homeowner	-0.0202	0.21	-0.0141	0.09
MODEL CHI-SQUARE		536.02 ***		557.64 ***
SAMPLE SIZE (D.F.)	1424	(23)	1305	(24)

Note: * - significant at the 10% level.
** - significant at the 5% level.
*** - significant at the 1% level.

Partial Derivative = B * [P (1 - P)],

where B: logit coefficient
P: retention probability.

Means:
Retention = .28
Current Pay Diff = 7.55 ($1000's)
APV(Retirement) = 1.04 ($1000's)

TABLE D.4 ESTIMATED DETERMINANTS OF AIR FORCE RETENTION: ENLISTED

Variable Name	MODEL 2 Partial Derivative	MODEL 2 Chi-Square	MODEL 3 Partial Derivative	MODEL 3 Chi-Square
Intercept	-1.0632	167.06 ***	-1.6224	200.93 ***
COMPENSATION				
Current Pay Diff (Mil-Civ)	0.0072	3.12 *	0.0024	0.33
APV(Retirement)	1.0728	210.10 ***	0.9768	169.18 ***
APV(expected SRB)	0.0984	5.15 **	0.0888	3.68 *
Eligible for SRB	-0.2472	14.83 ***	-0.2256	11.01 ***
PRIOR REENLISTMENT BONUS	-0.4752	52.94 ***	-0.4224	38.70 ***
TASTE: Military vs Civilian			0.2568	79.58 ***
OCCUPATION (Admin.)				
Airman	0.1896	1.66	0.2136	1.72
Electronic Repair	-0.2256	15.49 ***	-0.2208	13.63 ***
Communications/Intell.	-0.2304	7.69 ***	-0.1752	4.29 **
Medical/Dental	-0.1392	3.51 *	-0.1368	2.68
Elec/Mech Repair	-0.0912	3.90 **	-0.0912	3.43 *
Other Tech/Allied & Craftsmen	-0.0528	0.69	-0.0624	0.84
Service/Supply	-0.0360	0.41	-0.0264	0.18
RACE (Nonblack)				
Black	0.3360	52.60 ***	0.2664	26.95 ***
SEX (Male)				
Female	0.0504	0.99	0.0288	0.25
AGE AT ENTRY (19 or less)				
> 19 yrs.	0.0072	0.05	-0.0024	0.01
MARITAL STATUS (Single)				
Div./Widow/Sep.	0.1944	9.49 ***	0.1944	7.93 ***
Spouse in Military	0.1776	7.92 ***	0.1728	6.15 **
Spouse working (civilian)	0.0336	0.47	0.0480	0.89
Spouse not working	0.1176	6.79 ***	0.1320	7.48 ***
EDUCATION (High School Grad)				
< High School	0.3432	4.41 **	0.5184	6.85 ***
> High School	-0.0168	0.24	0.0120	0.10
FINANCIAL ASSETS				
Debts > $500	0.0552	2.05	0.0040	3.83 **
Savings > $0	-0.1752	12.82 ***	-0.1704	9.42 ***
Homeowner	-0.1776	13.51 ***	-0.1656	10.60 ***
MODEL CHI-SQUARE		708.68 ***		764.13 ***
SAMPLE SIZE (D.F.)	1600	(24)	1522	(25)

Note: * - significant at the 10% level.
** - significant at the 5% level.
*** - significant at the 1% level.

Partial Derivative = B * [P (1 - P)].

where B: logit coefficient
P: retention probability.

Means:
Retention = .40
Current Pay Diff = 7.68 ($1000's)
APV(Retirement) = 1.34 ($1000's)

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APPENDIX J
MODEL INTERFACE PROGRAM

CDR ROBERT A. SCHREIBER, USN

MODEL INTERFACE PROGRAMS

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MODEL INTERFACE PROGRAMS

I. INTRODUCTION. The QRMC developed two interface programs and several utility programs in the course of the study to assist in the manipulation of numeric data between the three computer models employed in the analysis of the retirement system. There are two distinct phases to consider in discussing these programs, the audit or data preparation phase and the model interface phase. The model interface phase itself consists of two separate operations dealing with transfer of data sets between ACOL and DMSM and between ACOL and GORGO. See Section IX for a description of ACOL, DMSM and GORGO before proceeding to the detailed discussions of each program element. The brief verbal description of the steps through each phase contained in Section IX is helpful in understanding the overall process. Figure J-1 illustrates the flow through each step in the process.

The first step in analytical process is preceded by an audit of the data to ensure that it is free of errors and that it meets the requirements of the analysis. Once the data base has been determined to be "clean" and consistent with these requirements, the occupational groupings, by Service population, are aggregated into a total population by Service. Next, Force Grade and Loss tables are built which become part of the ACOL model data base. This completes the first phase of the interface process.

One of the data sets output by the ACOL model contains Force Grade Tables which reflect the new force structures predicted by the modeled retirement options. The first interface program "links" this data with the respective input Force Structure Flow Dynamic table to create a revised Force Structure Flow Dynamic table reflecting the retention pattern of the modeled retirement option. This data is input directly into DMSM for Force Structure smoothing and costing. The same data set is input to the GORGO interface program to produce Force Grade and Decrement tables which eventually will be used by the GORGO model to make normal cost projections. Figure J-2 illustrates the data flow in the model interface program phase.

II. GENERAL PROGRAM DESCRIPTION. All of the utility and model interface programs to be discussed in this appendix are coded in FORTRAN IV (G1) for the IBM System/370. The programs are designed to run interactively on IBM's VM/SP Conversational Monitor System (CMS) and make extensive use of the installed EXEC processor to control file manipulation and input/output. Program modules were generated from the compiled versions and are executed from the EXEC. This allowed FORTRAN programs to be "stacked" within an EXEC for more efficient operation. For example, the two model interface programs that interface ACOL with DMSM and GORGO are, in reality, four FORTRAN program modules that are run by an EXEC named DODLINK. One invocation of the EXEC DODLINK results in the output of a Force Structure Flow Dynamic table for each of the services, both officer and enlisted populations (i.e., eight data files plus the Force Grade

Figure J-1
Model Interface Flow Chart

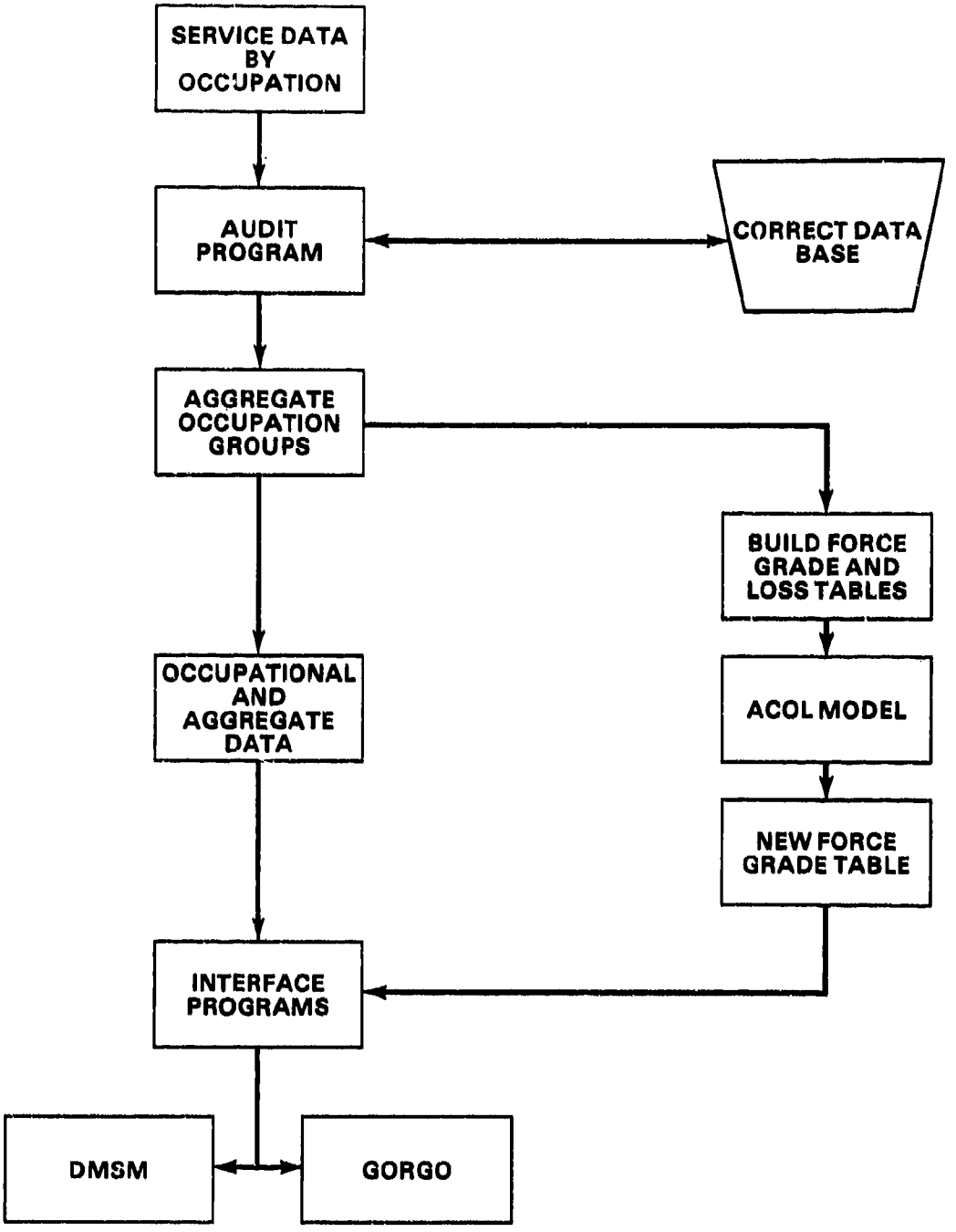
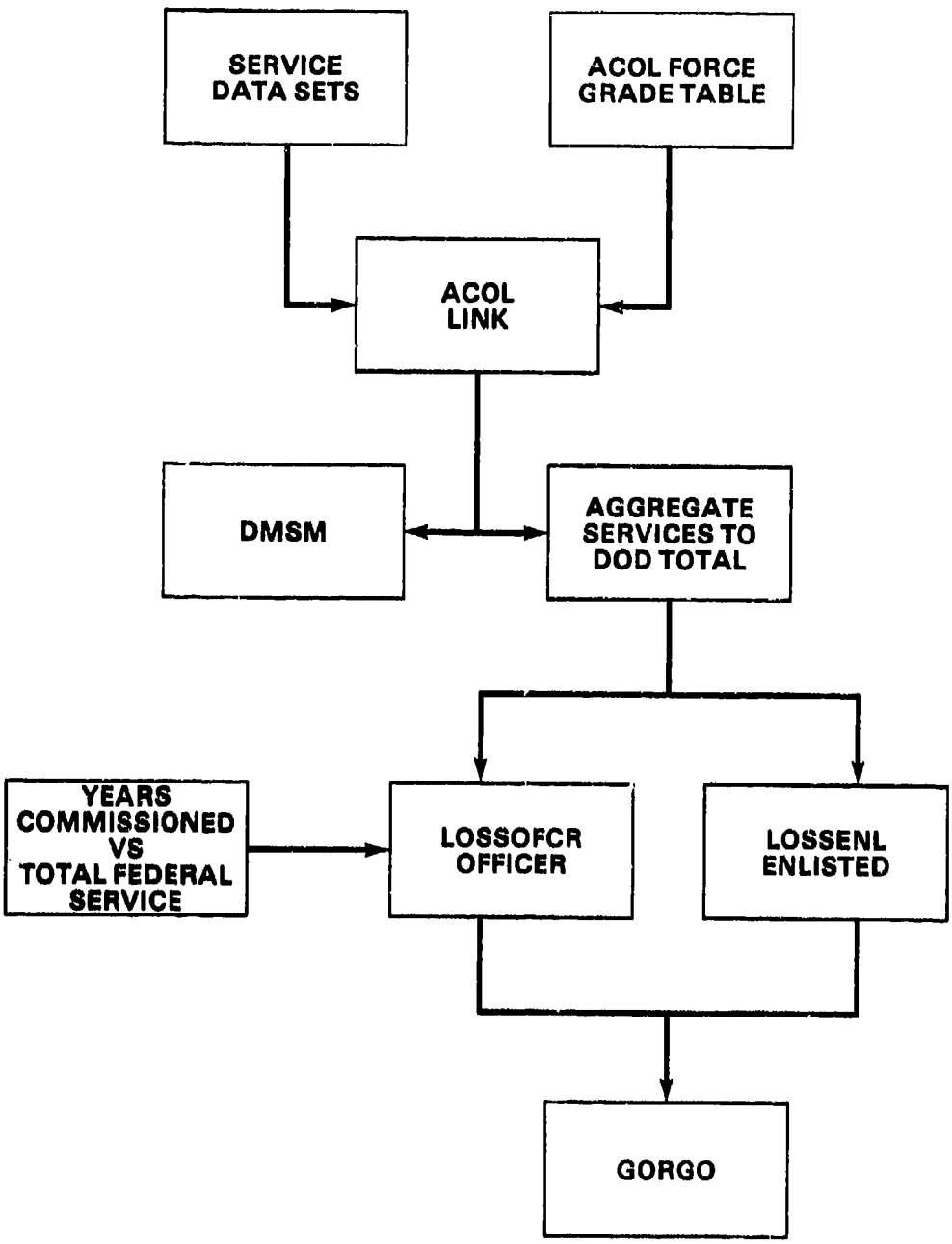


Figure J-2
Interface Programs Flow Chart



and Decrement tables for the same Service populations, including a DoD aggregate by population. The EXECs used to run each program is included with the program listing.

III. DATA VALIDATION AND AUDIT.

A. AUDIT PROGRAM. The majority of the Force Structure Flow Dynamic data sets submitted by the Services were in hard-copy form and manually entered onto disk storage. A FORTRAN audit program was designed to perform three major functions: (1) read and display the data to check for input errors; (2) check that the rates for each year of service (YOS) sum to 1.0000 and that the rates are consistent, i.e., the manpower strength in each YOS cell equals the sum of manpower in each flow category, the transition strengths out of a YOS cell matched the transition into the next YOS or YOS/grade cell, and that gains equal losses; and (3) descriptive displays and statistics are produced to provide an overall picture of the force structure. The eight types of output displays are described in detail below.

1. Flow Dynamics (Format 3). This is simply a reproduction of the input data set by occupational category (See Table J-1). Each page of the output represents a paygrade. In addition, the flow rates by YOS are summed to check that they add to 1.0000. This is the initial check for input typographical errors.

2. Flow Dynamics (Converted Format 3). This display, Table J-2, is similar to Table J-1 of the input data set, except the rates have been converted to manpower strengths in each flow dynamic category. This is computed simply by multiplying each rate across a YOS by the strength in that YOS.

3. Flow Reconciliation Table I. An example of this, the most critical output of the audit sequence, can be seen in Table J-3. It determines the consistency of the flow dynamics, or the transition, from one YOS to another and from grade to grade. The rates across a YOS represent losses from that YOS. There are nine ways (categories) by which an individual is lost to the Service (leaves the system), e.g., death or retirement. Transfers out, either to other occupational groups or to officer programs, are also considered losses to the system because there is no audit trail for those categories. The check for consistency is concerned primarily with categories of "remain-in-grade" and "promote-out." Remain-in-grade strength must flow into the next YOS. Promote-out strength must flow into the next grade and next YOS. The program checks this audit trail and compares the strength in a YOS cell with the strength that "flows" into that cell. The flow strength, $flow_i$, into YOS_i is represented by the formula:

$$RIG_{i-1} + GAIN_i + XIN_i + PROIN_{i-1,k-1} - PROUT_i - XOUT_i - LOSS_i$$

where: i = Years of Service,
k = Pay Grade,

RIG_{i-1} = The number of people that remained in grade the previous YOS, and

$PROIN_{i-1,k-1}$ = The number of people who were promoted into YOS_i from the previous grade and YOS.

The other variables represent gains and losses to YOS_i.

4. Flow Reconciliation, Table II. Presented as Table J-4, this is an alternate form of Table J-3. It determines the consistency between gains and losses by YOS. In a steady-state force structure the gains must equal losses and each must equal the manpower strength in YOS_i.

5. Flow Dynamics (Sum Audit). Table J-5 is an example of this aggregate display across all grades, by YOS and occupational group. It is the first of the descriptive displays and simply shows the manpower distribution across all the flow dynamic categories by YOS.

6. Accession, Remain-in-Service and Loss Table. Another descriptive display, this table also aggregates an occupational group across grades (See Table J-6). It presents manpower strength by three major categories: gains, remain-in-Services losses and losses to Service. Losses to Service have been aggregated into retirement losses, losses due to other attrition and losses due to death.

7. Force Configuration Table (Format 2). This is simply a force grade table of the occupational group being audited. It displays average years of service, Table J-7.

8. Manpower Plot. This is a combination table/plot of manpower by YOS, Table J-8. It also displays the size of each YOS group as a percent of the cohort year group and continuation rates by YOS.

Table J-1
** FLOW DYNAMICS **
(FORMAT 3)

YR	ARMY STREN	CURRENT OBJ GAINS TO	ENLISTED GAINS OTHER	PAY GRADE 3 TRANSFER TO OTHER	TO CAT	XFER OFF	TO POM	REMAIN GRADE	PRO OUT	DEATH	<-ATTRITION - RETIREMENT-> DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY	<-- ATTRITION - OTHER --> DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY
1	1132314.	132314.	0.	0.	0.0	0.	0.	0.8802	0.5121	0.3608	0.0005	0.0007	0.0	0.0	0.0	0.0004	0.0020	0.0009	0.1140
2	67758.	0.	0.	0.	0.0	0.	0.	0.0009	0.3449	0.5736	0.0006	0.0011	0.0	0.0	0.0	0.0017	0.0	0.0110	0.0668
3	23370.	0.	0.	0.	0.0	0.	0.	0.0	0.2471	0.1870	0.0025	0.0063	0.0	0.0	0.0	0.0030	0.0005	0.1282	0.4298
4	5775.	0.	0.	0.	0.0	0.	0.	0.0026	0.0	0.0	0.0009	0.0052	0.0	0.0	0.0	0.0035	0.9878	0.0	0.0
5	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.	0	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.	0.	0.	0.	0.0	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
->229217.		132314.	0.	0.		0.	<- COLUMN TOTALS												

** LOSS RATES **
(ROW TOTALS)

YR		YR		YR		YR		YR		YR		YR		YR		YR		YR	
1	1.0000	2	1.0000	3	1.0000	4	1.0000	5	0.0	6	0.0	7	0.0	8	0.0	9	0.0	10	0.0
11	0.0	12	0.0	13	0.0	14	0.0	15	0.0	16	0.0	17	0.0	18	0.0	19	0.0	20	0.0
21	0.0	22	0.0	23	0.0	24	0.0	25	0.0	26	0.0	27	0.0	28	0.0	29	0.0	30	0.0
31	0.0	32	0.0	33	0.0	34	0.0	35	0.0										

RUN DATE: 1/10/84

Table J-2
** FLOW DYNAMICS **
(CONVERTED FORMAT 3)

YR	ARMY STREN	CURRENT OBJ GAINS TO	ENLISTED GAINS OTHER	PAY GRADE 3 TRANSFER TO OTHER	TO CAT	XFER OFF	TO POM	REMAIN GRADE	PRO OUT	DEATH	<-ATTRITION - RETIREMENT-> DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY	<-- ATTRITION - OTHER --> DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY
1	1132314.	132314.	0.	0.	0.	0.	26.	67758.	47739.	66.	93.	0.	0.	0.	982.	269.	648.	19137.
2	67758.	0.	0.	0.	0.	0.	61.	23370.	38852.	41.	79.	0.	0.	0.	115.	0.	749.	4499.
3	23370.	0.	0.	0.	0.	0.	0.	5775.	4370.	58.	147.	0.	0.	0.	70.	12.	2993.	10039.
4	5775.	0.	0.	0.	0.	0.	19.	0.	0.	5.	30.	0.	0.	0.	20.	5709.	0.	0.
5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	229217.	132314.	0.	0.	0.	0.	102.	96902.	90962.	170.	344.	0.	0.	0.	788.	5981.	4296.	29671.

RUN DATE: 1/10/84

Table J-3

FLOW RECONCILIATION TABLE I
ARMY CURRENT OBJ ENLISTED
GRADE: 3

YOS	STRENGTH GIVEN	STRENGTH FLOW	ACCESSION DIRECT	ACCESSION INSRVC	PROMOTE OUT	PROMOTE IN	XFER TO OTHR	XFER TO OFF PGM	LOSS TO SERVICE	DELTA GVN-FLO	COMPUTED STRENGTH
1	132314.	0.	132314.	0.	47739.	0.	0.	26.	16791.	0.	132314.
2	67758.	67758.	0.	0.	38852.	0.	0.	61.	5475.	0.	67758.
3	23370.	23370.	0.	0.	4370.	0.	0.	0.	13225.	0.	23370.
4	5775.	5774.	0.	0.	0.	0.	0.	15.	5760.	1.	5774.
5	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
6	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
7	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
8	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
9	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
10	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
11	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
12	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
13	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
14	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
15	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
16	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
17	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
18	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
19	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
20	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
21	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
22	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
23	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
24	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
25	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
26	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
27	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
28	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
29	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
30	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
31	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
32	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
33	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
34	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.
35	0.	-1.	0.	0.	0.	0.	0.	0.	0.	1.	-1.

FLOW(I) = RIG(I-1) + GAIN(I) + XIN(I) - PROUT(I) + PROIN(I-1,K-1) - XOUT(I) - LOSS(I)

Table J-4

FLOW RECONCILIATION TABLE II
ARMY CURRENT OBJ ENLISTED
GRADE: 3

YOS	GAINS	GAINS FROM REMAIN GRADE	GAINS FROM PROMOTE IN	GAINS FROM XFER IN	GAINS FROM STRENGTH	DELTA	GIVEN STRENGTH	LOSSES LOSSES	LOSSES REMAIN GRADE	LOSSES TO PROMOTE OUT	LOSSES XFER OUT	LOSS TO STRENGTH	DELTA
1	132314.	0.	0.	0.	132314.	0.	132314.	16791.	67758.	47739.	26.	132314.	0.
2	0.	67758.	0.	0.	67758.	0.	67758.	5475.	23370.	38852.	61.	67758.	0.
3	0.	23370.	0.	0.	23370.	0.	23370.	13225.	5775.	4370.	0.	23370.	0.
4	0.	5775.	0.	0.	5775.	0.	5775.	5760.	0.	0.	15.	5775.	0.
5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

Table J-5
** FLOW DYNAMICS **
(SUM AUDIT)

YR	ARMY STREN	CURRENT OBJ	ENLISTED GAINS TO	GAINS OTHER	TRANSFER OTHER	TO CAT	XFER OFF	TO PCM	REMAIN GRADE	PRO OUT	DEATH	<-ATTRITION - RET:REMENT-> DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY	<-- ATTRITION - OTHER --> DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY
	1132314.	1132314.	0.	0.	0.	0.	26.	27758.	47739.	66.	93.	0.	0.	0.	582.	265.	648.	15137.	
	2115497.	0.	0.	0.	0.	0.	94.	62484.	45051.	165.	137.	0.	0.	0.	235.	0.	2626.	5745.	
	3106496.	0.	0.	0.	0.	0.	37.	32924.	18880.	455.	801.	0.	0.	0.	432.	27.	38379.	18559.	
4	51805.	0.	0.	0.	0.	0.	51.	23228.	8326.	39.	119.	0.	0.	0.	78.	5712.	13447.	804.	
5	31554.	0.	0.	0.	0.	0.	51.	22862.	5447.	21.	31.	0.	0.	0.	14.	0.	2819.	307.	
6	28309.	0.	0.	0.	0.	0.	66.	22221.	2630.	51.	80.	0.	0.	0.	32.	1.	2471.	756.	
7	24851.	0.	0.	0.	0.	0.	87.	16139.	5936.	22.	34.	0.	0.	0.	17.	2.	2310.	304.	
8	22075.	0.	0.	0.	0.	0.	97.	13818.	5242.	28.	81.	0.	0.	0.	30.	10.	2345.	334.	
9	19090.	0.	0.	0.	0.	0.	90.	14390.	2351.	33.	61.	0.	0.	0.	29.	9.	1908.	273.	
10	16747.	0.	0.	0.	0.	0.	132.	13088.	1170.	23.	41.	0.	0.	0.	21.	1306.	635.	124.	
11	1425..	0.	0.	0.	0.	0.	85.	11059.	1976.	37.	78.	0.	0.	0.	7.	11.	764.	181.	
12	13075.	0.	0.	0.	0.	0.	82.	10499.	1776.	27.	35.	0.	0.	0.	10.	10.	543.	174.	
13	12275.	0.	0.	0.	0.	0.	74.	8786.	2586.	20.	87.	0.	0.	0.	4.	8.	579.	135.	
14	11372.	0.	0.	0.	0.	0.	93.	9670.	1225.	14.	52.	0.	0.	0.	5.	4.	299.	55.	
15	10895.	0.	0.	0.	0.	0.	40.	9591.	897.	14.	65.	0.	0.	0.	3.	29.	216.	42.	
16	10488.	0.	0.	0.	0.	0.	37.	9399.	776.	18.	60.	0.	0.	0.	1.	10.	151.	56.	
17	10174.	0.	0.	0.	0.	0.	19.	9225.	675.	32.	64.	0.	0.	0.	12.	4.	125.	20.	
18	9900.	0.	0.	0.	0.	0.	9.	8521.	1956.	62.	76.	0.	0.	0.	0.	20.	109.	50.	
19	9577.	0.	0.	0.	0.	0.	4.	8395.	822.	26.	133.	0.	0.	0.	36.	6.	187.	4.	
20	9218.	0.	0.	0.	0.	0.	0.	4559.	972.	6.	102.	8.	3577.	0.	0.	0.	0.	0.	
21	5532.	0.	0.	0.	0.	0.	0.	2772.	654.	2.	51.	498.	1556.	0.	0.	0.	0.	0.	
22	3425.	0.	0.	0.	0.	0.	0.	2265.	289.	2.	34.	0.	835.	0.	0.	0.	0.	0.	
23	2554.	0.	0.	0.	0.	0.	0.	1275.	393.	4.	16.	462.	404.	0.	0.	0.	0.	0.	
24	1668.	0.	0.	0.	0.	0.	0.	964.	203.	4.	22.	0.	475.	0.	0.	0.	0.	0.	
25	1167.	0.	0.	0.	0.	0.	0.	940.	94.	0.	6.	0.	127.	0.	0.	0.	0.	0.	
26	1034.	0.	0.	0.	0.	0.	0.	675.	62.	10.	17.	108.	162.	0.	0.	0.	0.	0.	
27	737.	0.	0.	0.	0.	0.	0.	512.	36.	0.	5.	0.	184.	0.	0.	0.	0.	0.	
28	548.	0.	0.	0.	0.	0.	0.	404.	8.	1.	1.	0.	134.	0.	0.	0.	0.	0.	
29	412.	0.	0.	0.	0.	0.	0.	319.	4.	0.	2.	1.	86.	0.	0.	0.	0.	0.	
30	323.	0.	0.	0.	0.	0.	0.	10.	0.	1.	10.	302.	0.	0.	0.	0.	0.	0.	
31	10.	0.	0.	0.	0.	0.	0.	9.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	
32	9.	0.	0.	0.	0.	0.	0.	8.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	
33	8.	0.	0.	0.	0.	0.	0.	7.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	
34	7.	0.	0.	0.	0.	0.	0.	6.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	
35	6.	0.	0.	0.	0.	0.	0.	6.	0.	0.	0.	6.	0.	0.	0.	0.	0.	0.	
	677402.	1132314.	0.	0.	0.	0.	1176.	388871.	156275.	1184.	2364.	1389.	7535.	0.	1547.	7435.	66625.	43062.	

Table J-6

ACCESSION, REMAIN IN SERVICE AND LOSS TABLE
ARMY CURRENT OBJ ENLISTED

YOS	STRENGTH	GAINS TO SERVICE	GAINS OTHR CATGRY	REMAIN IN SERVICE XFER OTHR	REMAIN IN SERVICE XFER OPGM	REMAIN IN SERVICE REMAIN GRADE	REMAIN IN SERVICE PROMOTE OUT	LOSSES TO SERVICE RETIRE	LOSSES TO SERVICE ATTRITE	LOSSES TO SERVICE DEATH	TOTAL LOSSES
1	132314.	132314.	0.	0.	26.	67758.	47739.	93.	16632.	66.	16791.
2	115497.	0.	0.	0.	94.	62444.	44051.	137.	8606.	165.	8907.
3	106496.	0.	0.	0.	37.	32924.	18880.	801.	53397.	455.	54654.
4	51805.	0.	0.	0.	51.	23228.	8326.	119.	20042.	39.	20200.
5	31554.	0.	0.	0.	51.	22862.	5447.	31.	3140.	23.	3194.
6	28309.	0.	0.	0.	66.	22221.	2630.	80.	3262.	51.	3393.
7	24851.	0.	0.	0.	87.	16139.	5936.	34.	2633.	22.	2689.
8	22075.	0.	0.	0.	97.	13848.	5242.	81.	2779.	28.	2888.
9	19090.	0.	0.	0.	90.	14390.	2351.	61.	2165.	33.	2259.
10	16741.	0.	0.	0.	132.	13088.	1170.	41.	2287.	23.	2351.
11	14258.	0.	0.	0.	85.	11099.	1976.	78.	984.	37.	1098.
12	13075.	0.	0.	0.	82.	10499.	1776.	35.	656.	27.	718.
13	12275.	0.	0.	0.	74.	8786.	2586.	87.	722.	20.	829.
14	11372.	0.	0.	0.	93.	9670.	1225.	52.	318.	14.	384.
15	10895.	0.	0.	0.	40.	9591.	897.	65.	288.	14.	368.
16	10488.	0.	0.	0.	37.	9399.	776.	60.	198.	18.	277.
17	10174.	0.	0.	0.	19.	9225.	675.	64.	159.	32.	254.
18	9900.	0.	0.	0.	9.	8521.	1056.	76.	175.	62.	313.
19	9577.	0.	0.	0.	4.	8395.	822.	103.	227.	26.	356.
20	9218.	0.	0.	0.	0.	4559.	972.	3681.	0.	6.	3687.
21	5532.	0.	0.	0.	0.	2772.	654.	2105.	0.	2.	2107.
22	3425.	0.	0.	0.	0.	2265.	289.	869.	0.	2.	871.
23	2554.	0.	0.	0.	0.	1275.	393.	882.	0.	4.	886.
24	1668.	0.	0.	0.	0.	954.	203.	497.	0.	4.	501.
25	1167.	0.	0.	0.	0.	940.	94.	133.	0.	0.	133.
26	1034.	0.	0.	0.	0.	675.	62.	287.	0.	10.	297.
27	737.	0.	0.	0.	0.	512.	36.	189.	0.	0.	189.
28	548.	0.	0.	0.	0.	404.	8.	135.	0.	1.	136.
29	412.	0.	0.	0.	0.	319.	4.	89.	0.	0.	89.
30	323.	0.	0.	0.	0.	10.	0.	312.	0.	1.	313.
31	10.	0.	0.	0.	0.	9.	0.	1.	0.	0.	1.
32	9.	0.	0.	0.	0.	8.	0.	1.	0.	0.	1.
33	8.	0.	0.	0.	0.	7.	0.	1.	0.	0.	1.
34	7.	0.	0.	0.	0.	6.	0.	1.	0.	0.	1.
35	6.	0.	0.	0.	0.	0.	0.	6.	0.	0.	6.
TOT->	677402.	132314.	0.	0.	1176.	388811.	156275.	11288.	118668.	1184.	131140.

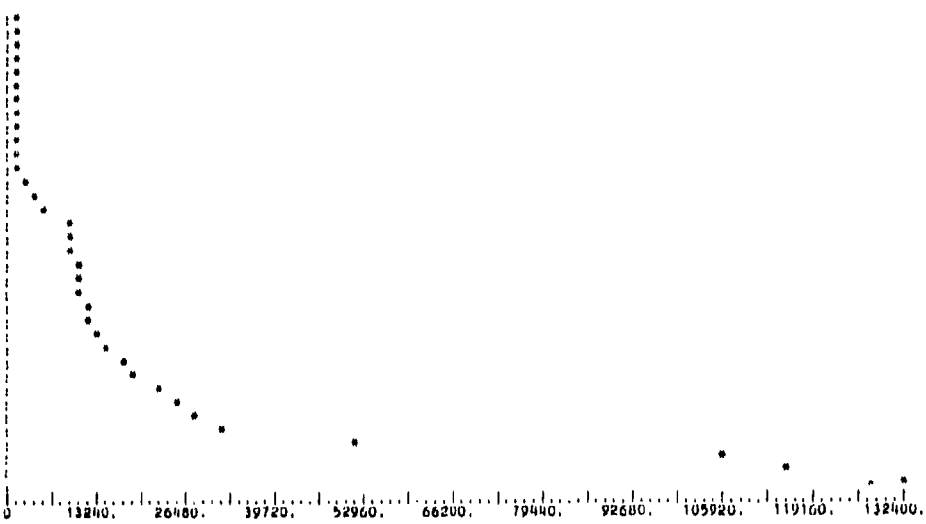
Table J-7

FORCE CONFIGURATION (FORMAT 2)
ARMY CURRENT OBJ ENLISTED

YR/GRADE	1	2	3	4	5	6	7	8	9	TOTAL	AVGYOS
1	0.	0.	132314.	0.	0.	0.	0.	0.	0.	132314.	0.5
2	0.	0.	67758.	47739.	0.	0.	0.	0.	0.	115497.	1.0
3	0.	0.	23370.	77927.	5199.	0.	0.	0.	0.	106496.	1.4
4	0.	0.	5775.	28769.	17261.	0.	0.	0.	0.	51805.	1.7
5	0.	0.	0.	11298.	20256.	0.	0.	0.	0.	31554.	1.9
6	0.	0.	0.	5361.	22273.	675.	0.	0.	0.	28309.	2.1
7	0.	0.	0.	3548.	19217.	2086.	0.	0.	0.	24851.	2.3
8	0.	0.	0.	2391.	12656.	6974.	54.	0.	0.	22075.	2.6
9	0.	0.	0.	1679.	6444.	10893.	74.	0.	0.	19090.	2.8
10	0.	0.	0.	1314.	3736.	11475.	216.	0.	0.	16741.	3.0
11	0.	0.	0.	0.	2515.	11305.	438.	0.	0.	14258.	3.2
12	0.	0.	0.	0.	1911.	9206.	1924.	34.	0.	13075.	3.4
13	0.	0.	0.	0.	1559.	7345.	3317.	54.	0.	12275.	3.5
14	0.	0.	0.	0.	1223.	4684.	5382.	83.	0.	11372.	3.7
15	0.	0.	0.	0.	1091.	3481.	6177.	146.	0.	10895.	3.9
16	0.	0.	0.	0.	1018.	2670.	6504.	296.	0.	10488.	4.1
17	0.	0.	0.	0.	960.	2203.	6377.	619.	11.	10174.	4.3
18	0.	0.	0.	0.	926.	1993.	5868.	1098.	15.	9900.	4.5
19	0.	0.	0.	0.	889.	1879.	4751.	2034.	24.	9577.	4.7
20	0.	0.	0.	0.	841.	1773.	3881.	2680.	43.	9218.	4.9
21	0.	0.	0.	0.	498.	1013.	1535.	2407.	79.	5532.	5.1
22	0.	0.	0.	0.	0.	645.	568.	2056.	156.	3425.	5.2
23	0.	0.	0.	0.	0.	463.	339.	1457.	295.	2554.	5.2
24	0.	0.	0.	0.	0.	0.	225.	857.	586.	1668.	5.3
25	0.	0.	0.	0.	0.	0.	135.	432.	600.	1167.	5.3
26	0.	0.	0.	0.	0.	0.	112.	306.	616.	1034.	5.3
27	0.	0.	0.	0.	0.	0.	0.	183.	554.	737.	5.3
28	0.	0.	0.	0.	0.	0.	0.	101.	447.	548.	5.4
29	0.	0.	0.	0.	0.	0.	0.	65.	347.	412.	5.4
30	0.	0.	0.	0.	0.	0.	0.	51.	272.	323.	5.4
31	0.	0.	0.	0.	0.	0.	0.	0.	10.	10.	5.4
32	0.	0.	0.	0.	0.	0.	0.	0.	9.	9.	5.4
33	0.	0.	0.	0.	0.	0.	0.	0.	8.	8.	5.4
34	0.	0.	0.	0.	0.	0.	0.	0.	7.	7.	5.4
35	0.	0.	0.	0.	0.	0.	0.	0.	6.	6.	5.4
TOTAL -->	0.	0.	229217.	180026.	120477.	80763.	47877.	14959.	4085.	677404.	5.4

Table J-8
ARMY CURRENT OBJ ENLISTED

YOS	YOSIZE	% YG	CONTINUATION RATE
35	6.	0.00%	0.00%
34	7.	0.00%	0.01%
33	8.	0.00%	0.01%
32	9.	0.00%	0.01%
31	10.	0.00%	0.01%
30	323.	0.05%	0.20%
29	412.	0.06%	0.31%
28	548.	0.08%	0.41%
27	737.	0.11%	0.96%
26	1034.	0.15%	0.78%
25	1167.	0.17%	0.88%
24	1668.	0.25%	1.26%
23	2554.	0.38%	1.93%
22	3425.	0.51%	2.59%
21	5532.	0.82%	4.18%
20	9218.	1.36%	6.97%
19	9577.	1.41%	7.24%
18	9900.	1.46%	7.48%
17	10174.	1.50%	7.69%
16	10488.	1.55%	7.93%
15	10895.	1.61%	8.23%
14	11372.	1.68%	8.59%
13	12275.	1.81%	9.28%
12	13075.	1.93%	9.88%
11	14258.	2.10%	10.78%
10	16741.	2.47%	12.65%
9	19090.	2.82%	14.43%
8	22075.	3.26%	16.68%
7	24851.	3.67%	18.78%
6	28309.	4.18%	21.40%
5	31554.	4.66%	23.85%
4	51805.	7.65%	39.15%
3	106496.	15.72%	80.49%
2	115497.	17.05%	87.29%
1	132314.	19.53%	100.00%
TOTAL STRENGTH	677404.		



B. DATA AGGREGATION PROGRAM. A utility program called AGGFORT was developed by the QRMC to create a Service Total Force Structure Flow Dynamic aggregate data set from the occupational data sets submitted by the four Services. The program, a derivative of the AUDIT program, is coded in FORTRAN and executed by an EXEC program named AGGFORM3. It can be simply described as an additional routine.

Using the Army enlisted data set as an example, the program reads each of the nine occupational data sets sequentially, processing one grade at a time from paygrade E-1 through E-9. As the data is read in, the information that is coded as loss-reason rates is converted to integer whole numbers by multiplying the rate by the YOS strength. The converted information is added to a sum array of the same structure as the input data file. In effect, we are translating the rate information into strengths associated with each loss-reason category. The sum array is the cumulative total of all eighteen data elements of the flow dynamic data set by YOS and grade. After nine individual occupational data sets have been summed to a total Army enlisted data set, the appropriate loss-reason categories are translated back to rates by dividing the strengths in each category by the total strength in that YOS cell. The result is an Army Enlisted Total Force Structure Flow Dynamic data set.

C. UTILITY PROGRAMS. Part of the program interface function is the extraction of data from the Service data sets for inclusion in the ACOL data base. This data consists of sets of two tables, a Force Grade table and a loss table from each occupation and Service aggregate. This section describes two utility programs developed to provide those tables.

Both programs are derivatives of the AUDIT FORTRAN program and are executed by the EXEC program DODFG. A third program included in the EXEC, BUILD2, is used to scale a force structure based on an input data set of flow-dynamic rates. It does not directly relate to an interface function so it will not be discussed here.

The two programs run by DODFG EXEC are named FORCGRAD and LOSSDATA. They were extracted almost verbatum from the routines in the AUDIT program that produce the output in Tables J-6 and J-7 above. The only significant differences are that these tables are out-put as disk files to be placed in the ACOL data base and that the FORCGRAD program computes a column of total losses by YOS in place of average YOS. The output of LOSSDATA is identical to the AUDIT program output. (Program listings and sample output is contained in the attachment to this appendix.)

IV. MODEL INTERFACE PROGRAMS.

A. INTRODUCTION. The model interface programs perform two functions: (1) reformat the ACOL output data set for input to DMSM and, (2) build Force Grade and Decrement tables for input to GORGO. It was stated earlier in this section that the two interface programs consisted of four FORTRAN progams stacked within an EXEC program named DODLINK.

The four programs are ACOLINK, AGGRGATE, LOSSOFCR and LOSSENL. The program ACOLINK is the major program that builds the new Force Structure Flow Dynamic tables that are input to DMSM. The programs AGGRGATE, LOSSOFCR and LOSSENL use the same data sets produced by ACOLINK to create interface data sets for GORGO. There is a second EXEC program named OCCLINK that runs only occupation data sets through ACOLINK alone. Force Grade and Decrement tables by occupational groups were not produced for GORGO.

The operation of the EXEC programs, the ACOL/DMSM interface program ACOLINK and the programs that comprise the ACOL/GORGO interface are discussed below. (Sample input/output and program listings are contained in the attachment to this appendix.)

B. EXEC PROGRAMS. Utilization of the EXEC language processor installed on the CMS system allows the user greater flexibility over batch systems when repetitively executing programs written in higher order languages that input similarly formatted but different data sets. The EXEC processor also allows several FORTRAN programs to be stacked within the EXEC program and then executed sequentially. This is especially useful when data produced by one program is to be input to the next program in line. The EXEC program is, in effect, a main program and the inbedded FORTRAN programs are subroutines. The EXEC programs DODLINK and OCCLINK were designed to exploit these features of the EXEC processor to increase the efficiency of interfacing ACOL with DMSM and GORGO. Had the requirement to interface ACOL with DMSM and GORGO occured simultaneously, a single FORTRAN could probably have been designed. However, this was not the case. The FORTRAN program ACOLINK was developed rather early in the study to interface ACOL with DMSM. The requirement to interface ACOL with GORGO came later, and so the FORTRAN program LOSSENL was developed. At the time LOSSENL was developed, ACOL did not have the capability to run officer force structures, so the need to develop LOSSOFCR came even later. The LOSSENL and LOSSOFCR are essentially the same, except LOSSOFCR contains an additional subroutine that converts years of commissioned service to years total Federal service.

Prior to the development of DODLINK, several separate operations were required to complete the interface function. First, ACOLINK was run to produce four enlisted and four officer Force Structure Flow Dynamic data sets, one for each Service and population. Next, the files were input to the utility program AGGRGATE to produce an officer DoD and an enlisted DOD aggregate file. The four data sets for each population produced by ACOL were input directly to DMSM. The four data sets plus the DoD aggregate were input to either LOSSENL or LOSSOFCR, depending on the population, to produce the Force Grade and Decrement tables for GORGO. Since this multiple step process would be required for every retirement option under consideration, the EXEC DODLINK was developed to reduce turnaround time and increase efficiency. One pass through DODLINK produces all the data required for DMSM and GORGO for a specific retirement option. The EXEC OCCLINK operates similarly, but produces only occupational group data for DMSM. (Program listings and sample terminal sessions for both EXECs are included in the attachment to this appendix.)

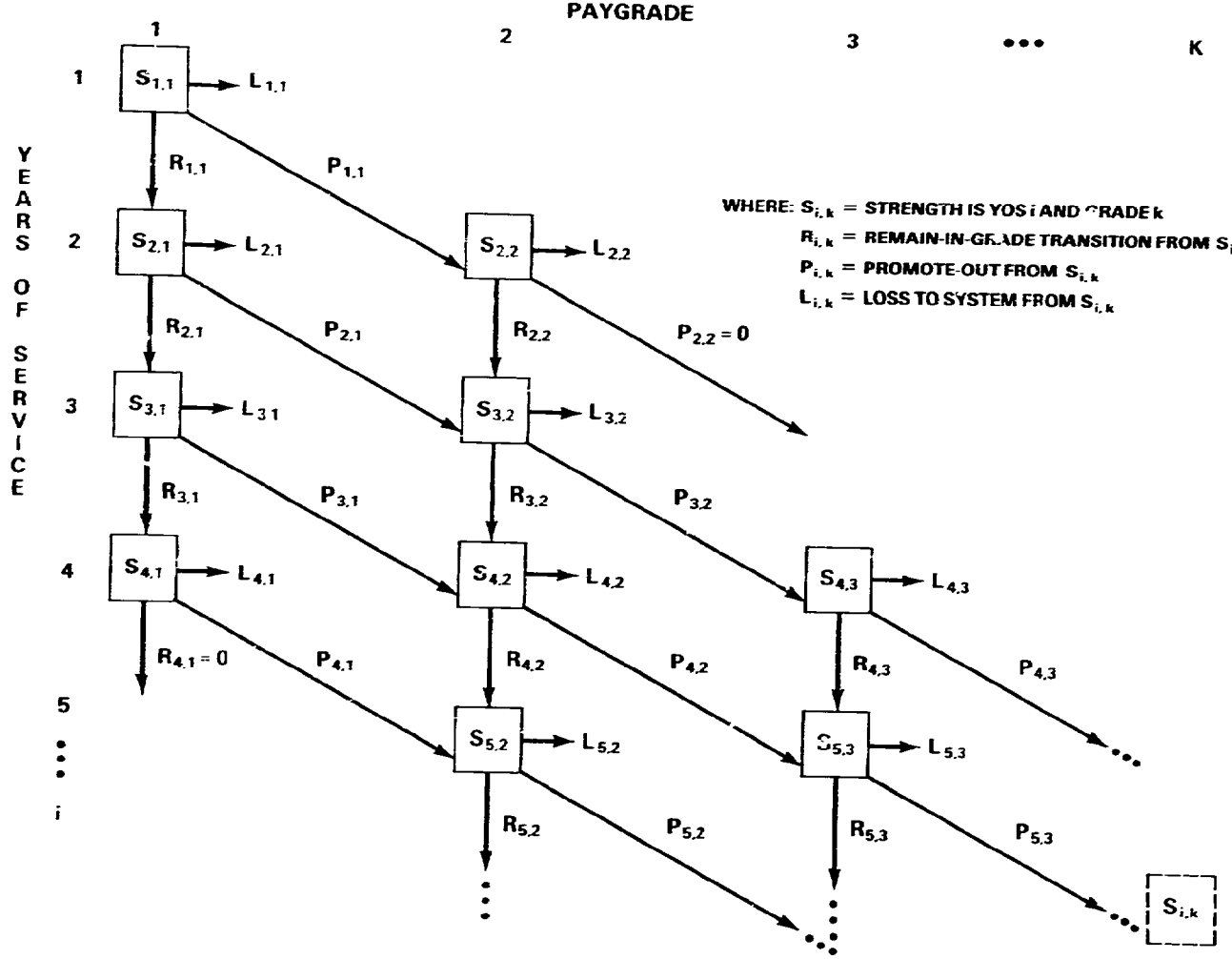
C. ACOL/DMSM INTERFACE PROGRAM.

1. General Description. The ACOL/DMSM interface program, coded in FORTRAN and labeled ACOLINK, restructures the output from ACOL into a format readable by DMSM. More than a simple format change, the program expands the two-dimensional Force Grade table produced by ACOL into a three-dimensional Force Structure Flow Dynamic table containing loss-reason flow rates by YOS across paygrade. Input consists of two data sets, a Force Structure Flow Dynamic table for a specific Service occupation group or Service aggregate and the respective Force Grade table produced by ACOL. The output flow dynamic table reflects the force structure changes predicted by ACOL and flow dynamic loss-reason rates, inferred from the input flow dynamic table, that support the new force structure. While the loss-reason rates have changed between the input and output flow dynamics, the underlying Service policies remain in effect. The rate of promotion out of a YOS and grade may change, however the YOS and grade at which promotion occurs remains intact. This holds true for the other flow categories also. The only exceptions occur when ACOL predicts a strength void in a particular YOS/grade cell. (Examples of input, output and the program listing are contained in the Attachment to this appendix.)

b. ACOLINK Methodology. ACOLINK consists of a main program and three subroutines. The main program performs the input/output functions, a simple calculation to compute the total losses by YOS from the ACOL force structure, and a rounding routine to correct for machine-induced arithmatic errors in the fourth decimal place. Two of the subroutines, LOSDIS and CHANGE, contain the routines that do the actual computations to be discussed. The subroutine LOSDIS computes a loss-distribution array across grades. The subroutine CHANGE computes the remain-in-grade and promote-out rates using boundary conditions and the loss-distribution array as constraints. It completes the flow dynamic table by proportionally distributing the losses, by grade across the eleven loss-reason categories. The third subroutine, ERPRINT, is a diagnostic routine that outputs various data elements and arrays created within the program. This information was used for error analysis during program development (i.e., "Debug" phase). This subroutine has been retained for use in future refinements or modifications. The discussion that follows focuses on the major computational steps of the program rather than a line-by-line documentation of the code.

The basic concept involves the determination of the flow dynamics, or manpower transitions, into and out of a YOS/grade cell of a force grade table which is a two-dimensional array of cells that contain manpower strengths for a range of YOS and grades. In a steady-state, closed personnel system, manpower transitions from cell to cell over succeeding years or is lost to the system. Figure J-3 illustrates a simplified force grade table which indicates all possible transition paths.

Figure J-3
Sample Force Grade Table



It can be seen from Figure J-3 that there are two transitions into a cell and three transitions out of a cell. It is assumed that there are no lateral accessions to the system beyond the first YOS and grade and that diagonal transitions are always to the right, i.e., no demotions. The transition process can be represented symbolically by the equations:

$$(1) \quad S_{i,k} = R_{i,k} + P_{i,k} + L_{i,k}$$

and

$$(2) \quad S_{i,k} = R_{i-1,k} + P_{i-1,k-1} \cdot$$

Obviously, if the value of any two of the unknowns in equation (1) can be determined then the third can be solved since $S_{i,k}$ is given. This is also true for equation (2). It is impossible to solve identically for all variables based on the input data sets. However, through boundary conditions and other constraints, it is possible to arrive at a best feasible solution.

Since the total number of losses by YOS is known, it seems reasonable to solve equation (1) for $L_{i,k}$, subject to the constraints that the sum of the losses across grade is equal to the total losses for that YOS represented by the equation:

$$(3) \quad \sum_{k=1}^{n} L_{i,k} = Lost_i, \text{ for } i = 1,35$$

and also subject to the constraint:

$$(4) \quad L_{i,k} \leq S_{i,k}$$

which means that the losses out of a cell cannot exceed that cells total manpower. A distribution of losses by grade can be easily determined from the input flow dynamic table. It was initially thought that this distribution could be applied to the ACOL losses by YOS to solve for $L_{i,k}$ by simply proportioning the losses across grade according to the Flow Dynamic distribution. However, it was observed that, in instances where there was a radical change in the force structure between the input and ACOL output, an inversion in loss rates by YOS occurs. An inversion is a situation in which the relationship between the remain-in-Service rate and the loss-to-Service rate is reversed between the input and output force structure. The remain-in-Service rate is the sum of the remain-in-grade and promote-out rates; the loss-to-Service rate is the sum of all the other loss-reason rates, or simply one minus the remain-in-Service rate. Alternatively, since we can compute the loss rate by YOS

for both the Flow Dynamic and ACOL Force Grade tables, let us define the remain-in-Service rate as $1-LR_i$ for YOS_i since the sum of all loss-reason rates, including remain-in-grade and promote-out, equals one. Therefore, an inversion occurs when we have a situation such that:

$$1 - LR_i < LR_i, \text{ for the Flow Dynamics table}$$

and

$$1 - LR_i > LR_i, \text{ for the ACOL Force Grade table,}$$

or vise versa.

Instead of being able to solve for $L_{i,k}$ in equation (3) through a proportional distribution according to the Flow Dynamic loss distribution, we need to apply an additional factor defined as the loss ratio by YOS, $LRATIO_i$, derived from the equation:

$$LRATIO_i = \frac{FLOSSR_i}{ALOSSR_i}$$

where,

$FLOSSR_i$ = Flow Dynamic loss rate for YOS_i and
$ALOSSR_i$ = ACOL loss rate for YOS_i .

Next, we can determine the YOS-by-grade distribution of loss rates for each cell in the ACOL Force Grade table by the equation:

$$CELL_{i,k} = \frac{LOSSR_{i,k}}{LRATIO_i}$$

where,

$LOSSR_{i,k}$ = Flow Dynamic loss rate for YOS_i and grade k.

Now, we can solve for the distribution of losses by grade for ACOL by the equation:

$$L_{i,k} = S_{i,k} * CELL_{i,k} .$$

This is the initial solution for the loss distribution across grades. The program continues with a routine to refine this solution of $L_{i,k}$ according to the constraints in equations (3) and (4). In addition, there is constraint associated with the left boundary. Refering back to Figure J-3, notice that the strengths in grade one are equal to the remain-in-grade transitions from the previous YOS or $S_{i+1,1} = R_{i,1}$. This constraint is extended to the remaining grades where the cell is also a left boundary, i.e., for any $S_{i,k}$ where $S_{i,k-1} = 0$. Although $S_{i,k}$ may derive some promote-in strength from $S_{i-1,k-1}$, a limit is never-

theless placed on $L_{i-1,k}$ to preclude a manpower decrement in later calculations. This constraint is now written as:

$$(5) \quad L_{i,k} \leq S_{i,k} - S_{i+1,k}$$

when $S_{i,k-1} = 0$.

If $L_{i,k}$ exceeds the limits set by equations (4) and (5), then $L_{i,k}$ is limited to a maximum value by the equation:

$$\text{MAX } L_{i,k} = (S_{i,k} - S_{i+1,k}) - (S_{i,k} \text{ CELL}_{i,k}) .$$

If MAX $L_{i,k} < 0$, then MAX $L_{i,k}$ is set to the original value of $L_{i,k}$ for later adjustment in the subroutine labeled CHANGE. If the input flow dynamic rates dictate that there is no remain-in-Service rate associated with $S_{i,k}$, then MAX $L_{i,k} = S_{i,k}$. Next, the program satisfies the constraint of equation (3) by holding MAX $L_{i,k}$ and $LOST_i$ constant and proportionally redistributes the remaining $L_{i,k}$ in YOS_i. This routine is iterated across all grades and then increments to the next YOS. Thus, we have a second, but not final, solution for $L_{i,k}$.

We now enter the subroutine CHANGE to solve for the remain-in-grade, $R_{i,k}$, and promote-out, $P_{i,k}$, transitions. Refering to Figure J-3 throughout this discussion will aid the reader in understanding the methodology.

The first step in CHANGE is to solve for $R_{i,k}$ and $P_{i,k}$ according to the constraints associated with the left boundary. Recall from our previous discussion of the left boundary that $R_{i,k} = S_{i+1,k}$. We know $S_{i,k}$ and have computed $L_{i,k}$, so now substituting $S_{i+1,k}$ for $R_{i,k}$ in equation (1) we can solve for $P_{i,k}$. In the steady-state, closed personnel structure we have constructed, we can solve for $P_{1,1}$ by inspection since we know the values for $S_{1,1}$, $S_{2,1}$ and $L_{1,1}$. Now, we check to see if $S_{i,k}$ is a non-promoting cell, that is $S_{i+1,k+1} = 0$, in other words, no diagonal transition. If that is the case, then $P_{i,k} = 0$ and $L_{i,k} = S_{i,k} - R_{i,k}$; and, we recompute the remaining $L_{i,k}$ across grade for that YOS in the same fashion as before in the LOSDIS subroutine. However, if a diagonal transition is allowed from $S_{i,k}$ then $P_{i,k}$, must satisfy the constraint: $P_{i,k} \leq S_{i+1,k+1}$. This means that more manpower cannot be promoted into a cell than is specified to exist there. If this constraint is not satisfied then $P_{i,k}$ is set equal to $S_{i+1,k+1}$ and $L_{i,k}$ is recomputed; the remainder of the $L_{i,k}$'s are redistributed as before to satisfy equation (3).

If we are not operating on a boundary, then we must contend with an internal solution to solve for $R_{i,k}$ and $P_{i,k}$ according to equation (2). This can be rewritten as: $R_{i,k} = S_{i+1,k} - P_{i,k-1}$ where, again, we know $S_{i+1,k}$ and the value for $P_{i,k-1}$, computed during the previous iteration on k. Then we use equation (1) to solve for $P_{i,k}$ as before, then determine whether the $P_{i,k}$ transition is allowed and make adjustments to $P_{i,k}$ and/or $L_{i,k}$ as before.

At the completion of this process we will have solved for $R_{i,k}$, $P_{i,k}$ and $L_{i,k}$ which reside in arrays that are images of the ACOL Force Grade table. We will have a Remain Grade table, Promote Grade table and Loss Grade table. It is now a rather simple matter to convert the three transition variables into transition rates, or probabilities, by dividing each variable by the manpower strength associated with the respective YOS/grade cell. The remain and promote transition rates are directly equal to the flow dynamic rates for remain-in-grade and promote-out, respectively. The loss transition rate is proportionally distributed across the remaining eleven loss-reason categories according to the loss-rate distribution that exists in the input flow dynamic table. Control is returned to the main program and a new Force Structure Flow Dynamic table is output reflecting the new ACOL force structure.

D. ACOL/GORGO INTERFACE PROGRAM.

1. General Description. The interface between ACOL and GORGO is through the three FORTRAN programs AGGRGATE, LOSSENL and LOSSOFCR, included as subroutines in the EXEC program DODLINK described above. Input consists of the Total Force Structure Flow Dynamic table for each Service aggregate for officer and enlisted populations produced by the ACOLINK program within the EXEC. The purpose of the program is to produce Force Grade and Decrement tables in a format compatible with the GORGO model. The program restructures the data contained in the Flow Dynamic tables by combining certain data elements. The GORGO model inputs six decrement rates by YOS, while the Flow Dynamic table contains eleven categories of force-decrement or loss-reason rates. The six categories are withdrawal (leaving with no benefit), death, non-disability retirement, temporary disability retirement and transfer. Table J-9 lists the decrement rates and illustrates which categories of the eleven Flow Dynamic loss-reason rates were combined into the six decrement rates.

2. AGGRGATE Program. The AGGRGATE program is essentially the data aggregation program described in paragraph III.B. It has been modified to run as a subroutine within the EXEC DODLINK. Its purpose is to create a DoD aggregate-force structure from the four Service Flow Dynamic tables. It simply adds the four Services by officer or enlisted population to a DoD total.

3. LOSSENL Program. This program operates on the enlisted data sets. It reads in the DoD and four Services aggregate Force Structure Flow Dynamic tables and produces the Force Grade and Decrement tables. The Force Grade table is created from the YOS strength column, by grade, from the Flow Dynamic table. The Decrement table is created by first translating the loss-reason rates in the Flow Dynamic table into strengths. The appropriate categories are summed according to the specifications in Table J-9 to produce the six decrement-rate categories. The categories are then summed, by YOS, across all grades to produce a 35 by 6 array, i.e., 35 YOS by 6 categories, of the strengths in each decrement category. The decrement rates are then computed by YOS using the formulas in

Table J-10. The output of twenty tables, (two tables for DoD and one for each Service, i.e., each population) is placed on magnetic tape for input to the GORGO model.

4. LOSSOFCR Program. The procedure for the officer population is essentially the same as described above, with one exception. The GORGO model assumes that YOS is total Federal service. The QRMC defined officer YOS to be years of commissioned service; so, an adjustment to the officer data was required to make the data consistent with the GORGO requirements. The Defense Manpower Data Center (DMDC) provided a data set that contained FY76-FY82 officer file cell counts and 7-year averaging by years of total Federal service, years of commissioned service, occupation code, paygrade and Service. From this data, a 35 by 35 adjustment array was constructed. It contained the 7-year average of the percent of officers with years commissioned service, i, and years' total Federal service, j, by paygrade and Service. This adjustement factor was applied to the Flow Dynamic table to convert years' commissioned service to years' total Federal service.

TABLE J-9
Conversion of Flow Dynamic Loss-Reason Categories
to Decrement-Reason Categories

Loss-Reason Category	Decrement-Reason Category
Death	Death
Transfer to Officer Programs	Transfer Rates
Attrition - Retirement Disability	Permanent Disability Retirement
Attrition - Retirement Force Control Voluntary Involuntary	Non-Disability Retirement
Attrition - Other Disability	Temporary Disability Retirement
Attrition - Other Force Control Voluntary Involuntary	Withdrawal

TABLE J-10
Decrement Rate Formulas

WITHDRAWAL =

$$\frac{\text{WITHDRAWAL}}{\text{TOTAL STRENGTH (YOS)}}$$

DEATH =

$$\frac{\text{DEATH}}{\text{TOTAL STRENGTH (YOS)} - 1/2\ (\text{WITHDRAWAL} + \text{NON-DISABILITY})}$$

NON-DISABILITY =

$$\frac{\text{NON-DISABILITY}}{\text{TOTAL STRENGTH (YOS)}}$$

TEMPORARY DISABILITY =

$$\frac{\text{TEMPORARY DISABILITY}}{\text{TOTAL STRENGTH (YOS)} - 1/2\ (\text{WITHDRAWAL} + \text{NON-DISABILITY})}$$

PERMANENT DISABILITY =

$$\frac{\text{PERMANENT DISABILITY}}{\text{TOTAL STRENGTH (YOS)} - 1/2\ (\text{WITHDRAWAL} + \text{NON-DISABILITY})}$$

TRANSFER =

$$\frac{\text{TRANSFER}}{\text{TOTAL STRENGTH (YOS)} - 1/2\ (\text{WITHDRAWAL} + \text{NON-DISABILITY})}$$

Attachment 1 to Appendix J
Audit Program

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Attachment 1a. to Appendix J
Sample Terminal Session
Audit Program

```
****** SAMPLE TERMINAL SESSION FOR THE AUDIT PROGRAM ******

FIRST SESSION ON OFFICER DATA FOLLOWED BY ENLISTED EXAMPLE.
NOTE: USER RESPONSE IS INDICATED BY < >.

AUDIT<-- COMMAND TO EXECUTE THE PROGRAM
ENTER USERID WHERE DATA EXISTS ( 8 CHAR MAX )
<QRMC1NAM>
DASD 194 DETACHED
DMSACC723I B (194) R/O
ENTER FILENAME OF DATA SET TO AUDIT ( EG. ACE09CAT )
<NC010CAT>


ENTER FILETYPE ( EG. CURRENT ) .
<CURRENT>
DO YOU WANT OUTPUT TO GO TO DISK OR PRINTER?
PRINTER =  2
DISK    = 10
<10>
 NOTE: THE AUDIT PROGRAM IS DESIGNED TO OPERATE ON ONE OCCUPTIONAL
 GROUP AT A TIME, I.E., CONCATENATED FILES REQUIRE THAT THE SPECIFIED
 OCCUPATIONAL GROUP BE EXTRACTED. THIS EXEC DOES THAT FUNCTION.


 DOES THIS DATA SET CONTAIN CONCATENATED FILES ?(YES|NO).
<YES>
ENTER RUNTYPE ENLISTED = 1; OFFICER = 2; WARRANT = 3; DOD = 4;
<2>
 SPECIFY WHICH OCC GROUP TO PROCESS ACCORDING TO THE MENU
 CODE    ARMY    NAVY    USMC    USAF    CODE
   0.....JAG.....JAG.....JAG.....JAG..... 0
   1.....CHAP....CHAP....PLT.....CHAP.....1
   2.....MED.....MED.....NAV.....MED.....2
   3.....DEN.....DEN.....CBT.....DEN.....3
   4.....NRS.....NRS.....SUP.....NRS.....4
   5.....VET.....MSC.....OTR.....MSC.....5
   6.....MSC.....PLT.............BSC.....6
   7.....BSC.....NAV.............PLT.....7
   8.....PLT.....CBT.............NAV.....8
   9.....CBT.....OTR.............SUP.....9
  10.....SUP.....................S-E.....10
  11.....OTR.............................11
<6>


                                  ** AUDIT PROGRAM **
THE PROGRAM PERFORMS FIVE AUDIT FUNCTIONS IN RESPONSE TO USER INPUTS.
AUDIT FUNCTIONS:
1. DISPLAY OF FORMAT THREE INPUT DATA BY GRADE, SUMS THE FLOW RATES
   BY YOS AND DISPLAYS THE SUM OF THE RATES.
2. DISPLAY OF FORMAT THREE DATA WITH RATES CONVERTED TO STRENGTHS.
3. TWO FLOW RECONCILIATION TABLES TO AUDIT YOS TO YOS AND GRADE
```

```
   TO GRADE FLOW.
4. THREE TABLES OF SUMMARY DATA:
   TABLE 1: FORMAT THREE AGGREGATE.
   TABLE 2: FORCE CONFIGURATION, GRADE BY YOS.
   TABLE 3: ACCESSION, REMAIN IN GRADE, AND LOSS TABLE.
5. GRAPHICAL PLOT OF FORCE STRUCTURE.
                    *** PRESS ENTER (S/R) TO CONTINUE ***

SUGGESTED SEQUENCE:
1. ON FIRST RUN REQUEST ONLY THE FIRST DISPLAY TO CHECK THAT ALL DATA
   HAS BEEN ENTERED CORRECTLY AND THAT ALL RATES ADD TO 1.0000.
   THE AUDIT PROGRAM IS INVALID UNLESS ALL RATES ADD EXACTLY TO 1.0000.
2. ON SECOND RUN REQUEST FLOW RECONCILIATION TABLES AND FORMAT THREE
   STRENGTH DATA, I.E., ANSWER YES TO SECOND AND THIRD QUESTION.
3. ONCE FLOWS HAVE BEEN RESOLVED THEN THE THREE TABLE SUMMARY DATA
   AND THE FORCE STRUCTURE GRAPH CAN BE RUN.
                    *** PRESS ENTER (S/R) TO CONTINUE ***


WHICH GRADES DO YOU WANT TO AUDIT ?
THE FIRST NUMBER INDICATES WHICH GRADE TO START WITH AND
THE SECOND NUMBER INDICATES THE LAST GRADE TO AUDIT.
ENTER TWO, ONE DIGIT NUMBERS SEPARATED BY A SPACE OR COMMA.
=============================================================
          ARMY   NAVY   USAF   USMC   CGRD   NOAA   USPH
ENLISTED  3,9    3,9    3,9    3,9    3,9    --     --
  WO      1,4    1,4    --     1,4    1,4    --     --
OFF/TOT   1,6    --     1,6    1,6    1,6    1,6    1,6
OFF/URL   --     1,6    --     1,6    --     --     --
OFF/RL    --     1,6    --     --     --     --     --
OFF/LDO   --     --     --     2,5    --     --     --
=============================================================
<1 1>


*** AUDIT OPTIONS ***
ANSWER YES OR NO TO THE FOLLOWING QUESTIONS:


#1--FORMAT THREE DISPLAY OF RATES BY GRADE AND YOS?
<YES>
#2--FORMAT THREE DISPLAY OF STRENGTHS BY GRADE AND YOS?
<YES>
#3--FLOW DYNAMIC TABLES I AND II?
<YES>
#4--THREE TABLES OF SUMMARY STATISTICS?
<YES>
#4A--DO YOU WANT THE LOSS TABLE SENT TO DISK?
<NO>
#5--GRAPH OF FORCE STRUCTURE?
<YES>
YOU HAVE READ IN DATA FOR  6 PAYGRADES.
```

```
DO YOU WANT TO AUDIT ANOTHER FILE ? ( YES|NO ) .
<YES>
ENTER FILENAME OF DATA SET TO AUDIT ( EG. ACE09CAT )
<DCE04ACL>


ENTER FILETYPE ( EG. CURRENT ) .
<CURRENT>
DO YOU WANT OUTPUT TO GO TO DISK OR PRINTER?
PRINTER =  2
DISK    = 10
<10>
 NOTE: THE AUDIT PROGRAM IS DESIGNED TO OPERATE ON ONE OCCUPTIONAL
 GROUP AT A TIME, I.E., CONCATENATED FILES REQUIRE THAT THE SPECIFIED
 OCCUPATIONAL GROUP BE EXTRACTED. THIS EXEC DOES THAT FUNCTION.


 DOES THIS DATA SET CONTAIN CONCATENATED FILES ?(YES|NO).
<YES>
ENTER RUNTYPE ENLISTED = 1; OFFICER = 2; WARRANT = 3; DOD = 4;
<1>
 ENTER WHICH OCC GROUP TO PROCESS
       STANDARD   USMC
       00XX = 0    0
       01XX = 1    1
       02XX = 2    2
       03XX = 3    -
       04XX = 4    3
       05XX = 5    4
       06XX = 6    5
       07XX = 7    6
       08XX = 8    7
       09XX = -    8
<2>


                              *** AUDIT PROGRAM ***
THE PROGRAM PERFORMS FIVE AUDIT FUNCTIONS IN RESPONSE TO USER INPUTS.
AUDIT FUNCTIONS:
1. DISPLAY OF FORMAT THREE INPUT DATA BY GRADE, SUMS THE FLOW RATES
   BY YOS AND DISPLAYS THE SUM OF THE RATES.
2. DISPLAY OF FORMAT THREE DATA WITH RATES CONVERTED TO STRENGTHS.
3. TWO FLOW RECONCILIATION TABLES TO AUDIT YOS TO YOS AND GRADE
   TO GRADE FLOW.
4. THREE TABLES OF SUMMARY DATA:
   TABLE 1: FORMAT THREE AGGREGATE.
   TABLE 2: FORCE CONFIGURATION, GRADE BY YOS.
   TABLE 3: ACCESSION, REMAIN IN GRADE, AND LOSS TABLE.
5. GRAPHICAL PLOT OF FORCE STRUCTURE.
                       *** PRESS ENTER (S/R) TO CONTINUE ***

SUGGESTED SEQUENCE:
1. ON FIRST RUN REQUEST ONLY THE FIRST DISPLAY TO CHECK THAT ALL DATA
```

```
   HAS BEEN ENTERED CORRECTLY AND THAT ALL RATES ADD TO 1.0000.
   THE AUDIT PROGRAM IS INVALID UNLESS ALL RATES ADD EXACTLY TO 1.0000.
2. ON SECOND RUN REQUEST FLOW RECONCILIATION TABLES AND FORMAT THREE
   STRENGTH DATA, I.E., ANSWER YES TO SECOND AND THIRD QUESTION.
3. ONCE FLOWS HAVE BEEN RESOLVED THEN THE THREE TABLE SUMMARY DATA
   AND THE FORCE STRUCTURE GRAPH CAN BE RUN.
                    ** PRESS ENTER (S/R) TO CONTINUE **

WHICH GRADES DO YOU WANT TO AUDIT ?
THE FIRST NUMBER INDICATES WHICH GRADE TO START WITH AND
THE SECOND NUMBER INDICATES THE LAST GRADE TO AUDIT.
ENTER TWO, ONE DIGIT NUMBERS SEPARATED BY A SPACE OR COMMA.
=========================================================
          ARMY   NAVY   USAF   USMC   CGRD   NOAA   USPH
ENLISTED  3,9    3,9    3,9    3,9    3,9    --     --
  WO      1,4    1,4    --     1,4    1,4    --     --
OFF/TOT   1,6    --     1,6    1,6    1,6    1,6    1,6
OFF/URL   --     1,6    --     1,6    --     --     --
OFF/RL    --     1,6    --     --     --     --     --
OFF/LDO   --     --     --     2,5    --     --     --
=========================================================
<3 3>
** AUDIT OPTIONS **
ANSWER YES OR NO TO THE FOLLOWING QUESTIONS:
#1--FORMAT THREE DISPLAY OF RATES BY GRADE AND YOS?
<NO>
#2--FORMAT THREE DISPLAY OF STRENGTHS BY GRADE AND YOS?
<NO>
#3--FLOW DYNAMIC TABLES I AND II?
<NO>
#4--THREE TABLES OF SUMMARY STATISTICS?
<NO>
#4A--DO YOU WANT THE LOSS TABLE SENT TO DISK?
<YES>
#5--GRAPH OF FORCE STRUCTURE?
<NO>
YOU HAVE READ IN DATA FOR  9 PAYGRADES.
```

Attachment 1b. to Appendix J
Audit Exec

```
#57
&CONTROL OFF NOMSG
&IF &$ EQ DEBUG &CONTROL ALL
 EXEC CLRSTAK
 DISPCL
 GLOBAL TXTLIB FORTMOD1
&IF &INDEX = 1 &IF &1 = ?       &GOTO -TELL
&IF &INDEX = 1 &IF &1 = HELP    &GOTO -TELL
&GOTO -START
-TELL DISPCL
&BEGTYPE
+-------------------------------------------------------------------+
+       RUNS THE MODULE VERSION "ADITMOD" OF                        +
+       THE STANDARD AUDIT FORTRAN PROGRAM.                         +
+                                                                   +
+  - LINKUPB TO USERID                                              +
+  - &MODE = B                                                      +
+  - COPY &FNAME &FTYPE &MODE TO AUDIT TEMPDATA A ( LRECL 80        +
+  - OUTPUT FILE 02 = PRINTER                                       +
+  - INPUT  FILE 04 = AUDIT TEMPDATA A (LRECL 80                    +
+  - OUTPUT FILE 10 = AUDIT LISTING  A (LRECL 133                   +
+    NOTE: OUTPUT FILE 10 TO DISK CONTAINS CARRIAGE CONTROL         +
+          CHARACTERS IN COLUMN ONE.                                +
+                                                                   +
+                    R. SCHREIBER  27JUL83                          +
+-------------------------------------------------------------------+
&END
&TYPE DO YOU WISH TO CONTINUE ? (YES|NO).
&READ VARS &RESPONSE
&RESPONSE = &SUBSTR &RESPONSE 1 1
&IF &RESPONSE NE Y &EXIT
-START &TYPE ENTER USERID WHERE DATA LIVES (8 CHAR MAX)
&READ VARS &ID
 EXEC LINKUPB &ID
&IF &RETCODE NE 0 &GOTO -ERR01
&MODE = B
-AGAIN DISPCL
&TYPE ENTER FILENAME OF DATA SET TO AUDIT (EG. ACE09CAT)
&READ VARS &FNAME
&SPACE 2
&TYPE ENTER FILETYPE (EG. CURRENT).
&READ VARS &FTYPE
 STATE &FNAME &FTYPE &MODE
&IF &RETCODE NE 0 &GOTO -ERR02
-OUTFILE &BEGTYPE
DO YOU WANT OUTPUT TO GO TO DISK OR PRINTER?
PRINTER =  2
DISK    = 10
&END
&READ VARS &OUTPUT
&IF &OUTPUT NE 2 &IF &OUTPUT NE 10 &GOTO -OUTFILE
&DOD = &SUBSTR &FNAME 1 1
&IF &DOD NE D &SKIP 2
&COMPNT = D
```

```
&GOTO -SETRECS
-REDOIT DISPCL
&BEGTYPE
 NOTE: THE AUDIT PROGRAM IS DESIGNED TO OPERATE ON ONE OCCUPTIONAL
 GROUP AT A TIME, I.E., CONCATENATED FILES REQUIRE THAT THE SPECIFIED
 OCCUPATIONAL GROUP BE EXTRACTED. THIS EXEC DOES THAT FUNCTION.


 DOES THIS DATA SET CONTAIN CONCATENATED FILES ?(YES|NO).
&END
&READ VARS &ANS
&ANS = &SUBSTR &ANS 1 1
&IF &ANS EQ Y &GOTO -GETIT
&IF &ANS NE N &GOTO -REDOIT
 COPYFILE &FNAME &FTYPE &MODE AUDIT TEMPDATA A (LRECL 80
&FTOUT = AUDIT
 -DOIT &CONTINUE
FILEDEF 02 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 04 DISK AUDIT  TEMPDATA A (RECFM FB LRECL  80 BLKSIZE 8000
FILEDEF 10 DISK AUDIT  LISTING  A (RECFM FB LRECL 133 BLKSIZE 1330
*************************************************************************
* RESPONSES TO PROGRAM CAN BE STACKED BELOW WHEN MAKING REPETITVE       *
* RUNS. COMMENT OUT CORRESPONDING WRITE STATEMENTS IN PROGRAM           *
*************************************************************************
&STACK &OUTPUT
*STACK RETURN
*STACK RETURN
*STACK &FIRST
*STACK &LAST
*STACK YES
*STACK YES
*STACK NO
*STACK NO
*STACK NO
*************************************************************************
 AUDITMOD
 ERASE AUDIT TEMPDATA A
&IF &OUTPUT EQ 2 &SKIP 2
  COPY  AUDIT LISTING A &FNAME &FTOUT A (LRECL 133
  ERASE AUDIT LISTING A
&SPACE 2
&TYPE DO YOU WANT TO AUDIT ANOTHER FILE ? (YES|NO).
&READ VARS &ANS
&ANS = &SUBSTR &ANS 1 1
&IF &ANS EQ Y &GOTO -AGAIN
-STOP REL &MODE (DET
&EXIT
-GETIT &CONTINUE
&TYPE ENTER RUNTYPE ENLISTED = E; OFFICER = O (NOT 0); WARRANT = W;
&READ VARS &CMPNT
&CHECK = &DATATYPE &CMPNT
&IF &CHECK NE CHAR &GOTO -GETIT
-SETRECS &CONTINUE
&CMTY = &SUBSTR &FNAME 3 1
```

```
&IF &CMTY EQ E &RECS = 685
&IF &CMTY EQ W &RECS = 305
&IF &CMTY EQ O &RECS = 457
&REC = &RECS - 1
&START = -&REC
&GOTO -&CMPNT
-E DISPCL
&BEGTYPE
 ENTER WHICH OCC GROUP TO PROCESS
        STANDARD   USMC
        00XX = 0    0
        01XX = 1    1
        02XX = 2    2
        03XX = 3    -
        04XX = 4    3
        05XX = 5    4
        06XX = 6    5
        07XX = 7    6
        08XX = 8    7
        09XX = -    8
&END
&READ VARS &OCCGRP
&DOLOOP = &OCCGRP + 1
&LOOP 1 &DOLOOP
&START = &START + &RECS
&GOTO -GETOCCGRP
-O DISPCL
&BEGTYPE
 SPECIFY WHICH OCC GROUP TO PROCESS ACCORDING TO THE MENU
 CODE     ARMY     NAVY     USMC     USAF     CODE
   0.....JAG.....JAG.....JAG.....JAG..... 0
   1.....CHAP....CHAP....PLT.....CHAP.....1
   2.....MED.....MED.....NAV.....MED.....2
   3.....DEN.....DEN.....CBT.....DEN.....3
   4.....NRS.....NRS.....SUP.....NRS.....4
   5.....VET.....MSC.....OTR.....MSC.....5
   6.....MSC.....PLT.....BSC.....6
   7.....BSC.....NAV.....PLT.....7
   8.....PLT.....CBT.....NAV.....8
   9.....CBT.....OTR.....SUP.....9
  10.....SUP.....S-E.....10
  11.....OTR.....11
&END
&READ VARS &OCCGRP
&DOLOOP = &OCCGRP + 1
&LOOP 1 &DOLOOP
&START = &START + &RECS
&GOTO -GETOCCGRP
-W DISPCL
&BEGTYPE
 SPECIFY WHICH OCC GROUP TO PROCESS ACCORDING TO THE MENU
 CODE     ARMY     NAVY     USMC     USAF
   1  .. FLYR .. ALL  .. ALL  .. ----
```

```
   2  .. OTHR .. ---- .. ---- .. ----
&END
&READ VARS &OCCGRP
&LOOP 1 &OCCGRP
&START = &START + &RECS
-GETOCCGRP &CONTINUE
***** EXTRACT OCC GROUP DATA FROM SPECIFIED SERVICE FORMAT 3 *******
COPY &FNAME &FTYPE &MODE AUDIT TEMPDATA A ( FR &START FOR &RECS LRECL 80
&FTOUT = &CONCAT AUDIT &OCCGRP
&GOTO -DOIT
-D DISPCL
&BEGTYPE
SPECIFY WHICH SERVICE TO EXTRACT FROM AGGREGATE DOD FILE:
CODE    SERVICE
 1       ARMY
 2       NAVY
 3       USMC
 4       USAF
&END
&READ VARS &OCCGRP
&LOOP 1 &OCCGRP
&START = &START + &RECS
&GOTO -GETOCCGRP
**** ERROR MESSAGES ****
-ERR01
&TYPE DO YOU WANT TO QUIT OR REENTER USERID?
&TYPE ENTER STOP TO EXIT PROGRAM OR S/R TO CONTINUE.
&READ VARS &ANS
&IF .&ANS EQ   &GOTO -START
&EXIT
-ERR02
&TYPE FILE &FNAME &FTYPE DOES NOT LIVE AT &ID
&EXIT
```

Attachment 1c to Appendix J
ADITFORT Program Listing

```
                C+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++C AD100010
                C                ** FLOW DYNAMICS -- AUDIT **                                  C AD100020
                C                                                                              C AD100030
                C PROGRAM TO READ FLOW DYNAMIC-FORCE STRUCTURE DATA (FORMAT 3),                C AD100040
                C AUDIT THE RATES AND FLOW DYNAMICS, REFORMAT THE RATES INTO                   C AD100050
                C MANPOWER STRENGTHS, OUTPUT THREE TABLES OF SUMMARY STATISTICS                C AD100060
                C AND A FORCE STRUCTURE PLOT.                                                  C AD100070
                C                                                                              C AD10008C
                C                                                                              C AD100090
                C                                                                              C AD100100
                C VERSION: 1.0     BY: R. SCHREIBER                10 JAN 1983                 C AD100110
                C++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++C AD100120
0001                  INTEGER FIRST, GRADE, YES, TODISK                                        AD100130
0002                  INTEGER*4 MONTH, DAY, YEAR, HOUR, MIN, SEC                               AD100140
0003                  DIMENSION FILE(35,19,9), SUMNUM(35,19), RNUM(35,19), FORM2(35,9)         AD100150
0004                  DIMENSION TITLE1(65), TITLE2(65), LABEL1(130), LABEL2(189)               AD100160
0005                  DIMENSION CSUM(19), RSUM(35), COLSUM(19), AVGYOS(35)                     AD100170
0006                  DIMENSION RETIRE(35), ATIRIT(35), ALOSS(35), DEATH(35)                   AD100180
0007                  COMMON FLO(35,19,9),TITLE1                                               AD100190
0008                  COMMON /DATE/ MONTH,DAY,YEAR                                             AD100200
0009                  COMMON /NAME/ NN                                                         AD100210
0010                  DATA YES/3HYES/, NO/2HNO/, SUMNUM/665*0.0/, FORM2/315*0.0/               AD100220
                C--------------------------------------------------------------------          AD100230
                C READ FROM THE TERMINAL: THE FIRST AND LAST FILE TO PROCESS                   AD100240
                C AND DESIRED OUTPUT PRINT OPTIONS;                                            AD100250
                C INFILE: INPUT  DEVICE DDNAME #; (SET = 04 IN PROGRAM)                        AD100260
                C NAMEDD: OUTPUT DEVICE DDNAME #;                                              AD100270
                C FIRST:  FIRST GRADE TO PROCESS;                                              AD100280
                C LAST:   LAST GRADE TO PROCESS;                                               AD100290
                C IPRINT: FORMAT 3 PRINTOUT;                                                   AD100300
                C JPRINT: CONVERTED PRINTOUT;                                                  AD100310
                C IGRAF:  GRAPH OF STRENGTH BY YOS DATA;                                       AD100320
                C IFLOW:  FLOW DYNAMICS PRINTOUT                                               AD100330
                C KPRINT: THREE TABLES OF STATISTICS                                           AD100340
                C--------------------------------------------------------------------          AD100350
                C---- READ OUTPUT DEVICE DDNAME FROM THE EXEC -----------------------          AD100360
0011                  READ(5,*) NAMEDD                                                         AD100370
0012                  NN = NAMEDD                                                              AD100380
                C--------------------------------------------------------------------          AD100390
0013                  CALL DISPCL                                                              AD100400
0014                  WRITE(6,1500)                                                            AD100410
0015                  PAUSE                                                                    AD100420
0016                  CALL DISPCL                                                              AD100430
0017                  WRITE(6,1501)                                                            AD100440
0018                  PAUSE                                                                    AD100450
                C                                                                              AD100460
                C--------------------------------------------------------------------          AD100470
                C                                                                              AD100480
```

```
0019                  KOUNT = 0                                                  AD100490
0020                  INFILE = 04                                                AD100500
0021               50 CALL DISPCL                                                AD100510
0022                  WRITE (6,2600)                                             AD100520
0023                  READ (5,*,ERR=930,END=950) FIRST, LAST                     AD100530
0024                  CALL DISPCL                                                AD100540
0025                  WRITE (06,4000)                                            AD100550
0026                  READ (05,1025) IPRINT                                      AD100560
0027                  WRITE (06,4100)                                            AD100570
0028                  READ (05,1025) JPRINT                                      AD100580
0029                  WRITE (06,4300)                                            AD100590
0030                  READ (05,1025) IFLOW                                       AD100600
0031                  WRITE (06,4150)                                            AD100610
0032                  READ (05,1025) KPRINT                                      AD100620
0033                  WRITE (06,4200)                                            AD100630
0034                  READ (05,1025) IGRAF                                       AD100640
0035                  CALL DAYTIM(MONTH,DAY,YEAR,HOUR,MIN,SEC)                   AD100650
                   C                                                             AD100660
                   C---- READ THE DATA FROM THE FILE, PROCESS A GRADE AT A TIME ---------- AD100670
                   C                                                             AD100680
0036                  READ (INFILE,1050,ERR=910,END=920) TITLE1                  AD100690
0037                  DO 900 GRADE = 1, 10                                       AD100700
0038                     READ (INFILE,1050,END=920) TITLE2                       AD100710
0039                     READ (INFILE,3000,END=920) LABEL1                       AD100720
0040                     DO 100 I = 1,35                                         AD100730
0041                        READ (INFILE,1100) (FILE(I,J,GRADE), J = 1,10)       AD100740
0042               100   CONTINUE                                                AD100750
0043                     READ (INFILE,3100) LABEL2                               AD100760
0044                     DO 200 I = 1,35                                         AD100770
0045                        READ (INFILE,1200)  (FILE(I,J,GRADE),J = 11,19)      AD100780
0046               200   CONTINUE                                                AD100790
                   C                                                             AD100800
                   C---- SUM COLUMNS 2,3,4,5,7. ---------------------------------------- AD100810
                   C                                                             AD100820
0047                     DO 400 J = 2,7                                          AD100830
0048                        CSUM(J) = 0.0                                        AD100840
0049                        IF (J .EQ. 6) GO TO 400                              AD100850
0050                        DO 300 I = 1,35                                      AD100860
0051                           CSUM(J) = CSUM(J) + FILE(I,J,GRADE)               AD100870
0052               300      CONTINUE                                             AD100880
0053               400   CONTINUE                                                AD100890
                   C-------------------------------------------------------------------- AD100900
                   C SUM ROWS (ONLY THOSE FIELDS WITH LOSS RATE DATA)            AD100910
                   C FILL FORM2 ARRAY WITH STRENGTH BY YOS DATA FOR EACH GRADE   AD100920
                   C-------------------------------------------------------------------- AD100930
                                                                                 AD100940
0054                     DO 700 I = 1,35                                         AD100950
0055                        RSUM(I)  = 0.0                                       AD100960
0056                        FORM2(I,GRADE) = FILE(I,2,GRADE)
```

```
0057                        DO 600 J = 6,19                                    AD100970
0058                           IF(J .EQ. 7) GO TO 600                          AD100980
0059                           RSUM(I) = RSUM(I) + FILE(I,J,GRADE)             AD100990
0060              600       CONTINUE                                           AD101000
0061              700     CONTINUE                                             AD101010
                  C-------------------------------------------------------------AD101020
                  C IF THIS IS NOT THE FIRST FILE FOR DISPLAY OR YOU DO NOT    AD101030
                  C WANT TO SEE COPIES OF FORMAT 3 -- SKIP WRITE STATEMENTS    AD101040
                  C-------------------------------------------------------------AD101050
0062                    IF((GRADE .LT. FIRST)                                  AD101060
                       1.OR. (IPRINT .NE. YES)                                 AD101070
                       2.OR. (GRADE  .GT. LAST)) GO TO 899                     AD101080
                  C                                                            AD101090
                  C---- WRITE FORMAT 3 (RATE DATA) IF REQUESTED ---------------AD101100
                  C                                                            AD101110
0063                    WRITE (NN,2000)                                        AD101120
0064                    WRITE (NN,3200) (TITLE2(I), I = 1,65), (LABEL2(I), I = 1,63)  AD101130
0065                    WRITE (NN,3300) (LABEL1(I), I = 1,65),(LABEL2(I), I = 64,126) AD101140
0066                    WRITE (NN,3300) (LABEL1(I),I = 66,130),(LABEL2(I), I = 127,189)AD101150
0067                    WRITE (NN,3400)                                        AD101160
0068                    DO 850 I = 1,35                                        AD101170
0069                       WRITE (NN,2100)  (FILE(I,J,GRADE), J = 1,19)        AD101180
0070              850   CONTINUE                                               AD101190
0071                    WRITE (NN,2300) (CSUM(J), J = 2,5), CSUM(7)            AD101200
0072                    WRITE (NN,2400)                                        AD101210
0073                    WRITE (NN,2500)  (I,  RSUM(I),I = 1,35)                AD101220
0074                    WRITE (NN,1999)MONTH,DAY,YEAR                          AD101230
0075              899   CONTINUE                                               AD101240
                  C-------------------------------------------------------------AD101250
                  C CONVERT THE RATES OF FORMAT 3 INTO RAW NUMBERS             AD101260
                  C SUM ROWS AND COLUMNS -->ROW SUM = YOS STRENGTH             AD101270
                  C-------------------------------------------------------------AD101280
0076                    DO 6100 I = 1,35                                       AD101290
0077                       DO 6000 J = 6,19                                    AD101300
0078                          IF (J .EQ. 7) GO TO 6000                         AD101310
0079                          RNUM(I,J) = FILE(I,2,GRADE) * FILE(I,J,GRADE)    AD101320
0080              6000      CONTINUE                                           AD101330
0081              6100    CONTINUE                                             AD101340
0082                    DO 6400 I = 1,35                                       AD101350
0083                       RNUM(I,1) = FILE(I,1,GRADE)                         AD101360
0084                       RNUM(I,2) = 0.                                      AD101370
0085                       RNUM(I,7) = FILE(I,7,GRADE)                         AD101380
0086                       DO 6200 J = 6,19                                    AD101390
0087                          IF (J .EQ. 7) GO TO 6200                         AD101400
0088                          RNUM(I,2) = RNUM(I,2) + RNUM(I,J)                AD101410
0089              6200      CONTINUE                                           AD101420
0090                       DO 6300 J = 3,5                                     AD101430
0091                          RNUM(I,J) = FILE(I,J,GRADE)                      AD101440
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0092              6300       CONTINUE                                                    AD101450
0093              6400    CONTINUE                                                       AD101460
0094                      DO 6600 J = 2,19                                               AD101470
0095                         COLSUM(J) = 0.                                              AD101480
0096                         DO 6500 I = 1,35                                            AD101490
0097                            COLSUM(J) = COLSUM(J) + RNUM(I,J)                        AD101500
0098              6500       CONTINUE                                                    AD101510
0099              6600    CONTINUE                                                       AD101520
                  C                                                                      AD101530
                  C---- WRITE FORMAT 3 (CONVERTED TO WHOLE NUMBERS) IF REQUESTED -------- AD101540
                  C                                                                      AD101550
0100                      IF((JPRINT .NE. YES)                                           AD101560
                       1  .OR. (GRADE .LT. FIRST)                                       AD101570
                       2  .OR. (GRADE .GT. LAST)) GO TO 6750                           AD101580
0101                      WRITE (NN,2010)                                                AD101590
0102                      WRITE (NN,3200) (TITLE2(I), I = 1,65), (LABEL2(I), I = 1,63)   AD101600
0103                      WRITE (NN,3300) (LABEL1(I), I = 1,65),(LABEL2(I), I = 64,126)  AD101610
0104                      WRITE (NN,3300) (LABEL1(I),I = 66,130),(LABEL2(I), I = 127,189)AD101620
0105                      WRITE (NN,3400)                                                AD101630
0106                      DO 6700 I = 1,35                                               AD101640
0107                         WRITE (NN,6710) (RNUM(I,J), J = 1,19)                       AD101650
0108              6700    CONTINUE                                                       AD101660
0109                      WRITE (NN,6720) (COLSUM(J), J = 2,19)                          AD101670
0110                      WRITE (NN,1999)MONTH,DAY,YEAR                                  AD101680
                  C------------------------------------------------------------------    AD101690
                  C SUM THE NUMBER ARRAY OVER ALL GRADES AND                             AD101700
                  C LOAD FLOW RECONCILIATION ARRAY                                       AD101710
                  C------------------------------------------------------------------    AD101720
0111              6750    DO 6900 I = 1,35                                               AD101730
0112                         DO 6800 J = 2,19                                            AD101740
0113                            SUMNUM(I,J)     = SUMNUM(I,J) + RNUM(I,J)                AD101750
0114                            FLO(I,J,GRADE) = RNUM(I,J)                               AD101760
0115              6800       CONTINUE                                                    AD101770
0116              6900    CONTINUE                                                       AD101780
0117               900 CONTINUE                                                          AD101790
                  C                                                                      AD101800
                  C---- COMPUTE RETIREMENTS, ATTRITIONS, AND TOTAL LOSSES ---------------AD101810
                  C                                                                      AD101820
0118               901 TDEATH = 0.                                                       AD101830
0119                   TOTRET = 0.                                                       AD101840
0120                   TOTATT = 0.                                                       AD101850
0121                   TOTLOS = 0.                                                       AD101860
0122                   DO 6930 I = 1,35                                                  AD101870
0123                      RETIRE(I) = 0.                                                 AD101880
0124                      ATTRIT(I) = 0.                                                 AD101890
0125                      DEATH(I)  = SUMNUM(I,11)                                       AD101900
0126                      ALOSS(I)  = DEATH(I)                                           AD101910
0127                      DO 6910 J = 12,15                                              AD101920
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0128                        RETIRE(I) = RETIRE(I) + SUMNUM(I,J)                    AD101930
0129                        ALOSS(I)  = ALOSS(I)  + SUMNUM(I,J)                    AD101940
0130                 6910   CONTINUE                                               AD101950
0131                        TOTRET = TOTRET + RETIRE(I)                            AD101960
0132                        DO 6920 J = 16,19                                      AD101970
0133                           ATTRIT(I) = ATTRIT(I) + SUMNUM(I,J)                 AD101980
0134                           ALOSS(I)  = ALOSS(I)  + SUMNUM(I,J)                 AD101990
0135                 6920   CONTINUE                                               AD102000
0136                        TOTATT = TOTATT + ATTRIT(I)                            AD102010
0137                        TOTLOS = TOTLOS + ALOSS(I)                             AD102020
0138                        TDEATH = TDEATH + DEATH(I)                             AD102030
0139                 6930 CONTINUE                                                 AD102040
                    C                                                             AD102050
                    C---- SUM THE COLUMNS OF SUMNUM ARRAY ------------------------AD102060
                    C                                                             AD102070
0140                      DO 7100 J = 2,19                                        AD102080
0141                         COLSUM(J) = 0.                                       AD102090
0142                         DO 7000 I = 1,35                                     AD102100
0143                            COLSUM(J) = COLSUM(J) + SUMNUM(I,J)               AD102110
0144                  7000   CONTINUE                                             AD102120
0145                  7100 CONTINUE                                               AD102130
                    C-------------------------------------------------------------AD102140
                    C  COMPUTE ROW AND COLUMN SUMS FOR FORMAT 2                   AD102150
                    C  AND AVERAGE YOS (EXPERIENCE)                               AD102160
                    C-------------------------------------------------------------AD102170
0146                      TRNOVR = 0.                                             AD102180
0147                      SUMA  = 0.                                              AD102190
0148                      TOTAL = 0.                                              AD102200
0149                      DO 8100 J = 1,9                                         AD102210
0150                         CSUM(J) = 0.                                         AD102220
0151                         DO 8000 I = 1,35                                     AD102230
0152                            CSUM(J) = CSUM(J) + FORM2(I,J)                    AD102240
0153                  8000   CONTINUE                                             AD102250
0154                  8100 CONTINUE                                               AD102260
0155                      DO 8300 I = 1,35                                        AD102270
0156                         RSUM(I)   = 0.                                       AD102280
0157                         AVGYOS(I) = 0.                                       AD102290
0158                         DO 8200 J = 1,9                                      AD102300
0159                            RSUM(I) = RSUM(I) + FORM2(I,J)                    AD102310
0160                  8200   CONTINUE                                             AD102320
0161                         SUMA  = SUMA  + RSUM(I) * I                          AD102330
0162                         TOTAL = TOTAL + RSUM(I)                              AD102340
0163                         IF(RSUM(I) .LT. 1.0) GO TO 8300                      AD102350
0164                         AVGYOS(I) = ((SUMA / TOTAL) - 0.5)                   AD102360
0165                         TRNOVR    = AMAX1(TRNOVR,AVGYOS(I))                  AD102370
0166                  8300 CONTINUE                                               AD102380
                    C                                                             AD102390
                    C---- WRITE THREE TABLE STATS IF REQUESTED ------------------- AD102400
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                C                                                                AD102410
0167                  IF( KPRINT .NE. YES) GO TO 8700                            AD102420
                C                                                                AD102430
                C---- WRITE SUM AUDIT ARRAY ------------------------------------- AD102440
                C                                                                AD102450
0168                  WRITE (NN,2020)                                            AD102460
0169                  WRITE (NN,3200) (TITLE1(I), I = 1,65), (LABEL2(I), I = 1,63)  AD102470
0170                  WRITE (NN,3300) (LABEL1(I), I = 1,65),(LABEL2(I), I = 64,126)  AD102480
0171                  WRITE (NN,3300) (LABEL1(I),I = 66,130),(LABEL2(I), I = 127,189)  AD102490
0172                  WRITE (NN,3400)                                            AD102500
0173                  DO 7200 I = 1,35                                           AD102510
0174                     WRITE (NN,7210) I, (SUMNUM(I,J), J = 2,19)              AD102520
0175                7200 CONTINUE                                                AD102530
0176                  WRITE (NN,7220) (COLSUM(J), J = 2,19)                      AD102540
0177                  WRITE (NN,1999)MONTH,DAY,YEAR                              AD102550
                C                                                                AD102560
                C---- WRITE FORCE GRADE TABLE ------------------------------------ AD102570
                C                                                                AD102580
0178                  WRITE (NN,8500) (TITLE1(I), I = 1,65)                      AD102590
0179                  DO 8400 I = 1,35                                           AD102600
0180                     WRITE (NN,8510) I, (FORM2(I,J), J = 1,9), RSUM(I), AVGYOS(I)  AD102610
0181                8400 CONTINUE                                                AD102620
0182                  WRITE (NN,8520) (CSUM(J), J = 1,9), TOTAL, TRNOVR          AD102630
0183                  WRITE (NN,1999)MONTH,DAY,YEAR                              AD102640
                C                                                                AD102650
                C---- WRITE GAINS ,REMAIN IN SERVICE AND LOSS TABLE ------------- AD102660
                C                                                                AD102670
0184                  WRITE (NN,8610) TITLE1                                     AD102680
0185                  DO 8600 I = 1,35                                           AD102690
0186                     WRITE (NN,8620) I,(SUMNUM(I,J),J=2,5),SUMNUM(I,8),SUMNUM(I,9),  AD102700
                    1    SUMNUM(I,10),RETIRE(I),ATTRIT(I),DEATH(I),ALOSS(I)     AD102710
0187                8600 CONTINUE                                                AD102720
0188                  WRITE (NN,8630) (COLSUM(J),J=2,5),(COLSUM(J),J=8,10),      AD102730
                   1TOTRET,TOTATT,TDEATH,TOTLOS                                  AD102740
0189                  WRITE (NN,1999)MONTH,DAY,YEAR                              AD102750
0190                8700 CONTINUE                                                AD102760
                C                                                                AD102770
                C---- CALL TO PLOTTING SUBROUTINE IF REQUESTED ------------------- AD102780
                C                                                                AD102790
0191                  IF (IGRAF .EQ. YES) CALL GRAF (RSUM, TITLE1)               AD102800
                C                                                                AD102810
                C---- CALL TO SUBROUTINE FLOWCK IF REQUESTED -------------------- AD102820
                C                                                                AD102830
0192                  IF (IFLOW .EQ. YES) CALL FLOWCK(FIRST,LAST,NGRADE)         AD102840
                C                                                                AD102850
                C---- READ FORMAT STATEMENTS ------------------------------------ AD102860
                C                                                                AD102870
0193                1025 FORMAT(1A4)                                             AD102880
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0194            1050 FORMAT(65A1)                                                    AD102890
0195            1100 FORMAT(I2,4F7.0,F7.4,F7.0,3F7.4)                                AD102900
0196            1200 FORMAT(2X,9F7.4)                                                AD102910
0197            1300 FORMAT(I1,1X,I1)                                                AD102920
0198            1500 FORMAT(31X,'** AUDIT PROGRAM **',/1X,'THE PROGRAM PERFORMS FIVE AUAD102930
                    $DIT FUNCTIONS IN RESPONSE TO USER INPUTS.',/1X,                 AD102940
                    $'AUDIT FUNCTIONS:',/1X,                                         AD102950
                    $'1. DISPLAY OF FORMAT THREE INPUT DATA BY GRADE, SUMS THE FLOW RATAD102960
                    $ES ',/1X,                                                       AD102970
                    $'   BY YOS AND DISPLAYS THE SUM OF THE RATES.',/1X,             AD102980
                    $'2. DISPLAY OF FORMAT THREE DATA WITH RATES CONVERTED TO STRENGTHSAD102990
                    $.',/1X,                                                         AD103000
                    $'3. TWO FLOW RECONCILIATION TABLES TO AUDIT YOS TO YOS AND GRADE',AD103010
                    $/1X,                                                            AD103020
                    $'   TO GRADE FLOW.'/1X,                                         AD103030
                    $'4. THREE TABLES OF SUMMARY DATA:',/1X,                         AD103040
                    $'   TABLE 1: FORMAT THREE AGGREGATE.'/1X,                       AD103050
                    $'   TABLE 2: FORCE CONFIGURATION, GRADE BY YOS.',/1X,           AD103060
                    $'   TABLE 3: ACCESSION, REMAIN IN GRADE, AND LOSS TABLE.',/1X,  AD103070
                    $'5. GRAPHICAL PLOT OF FORCE STRUCTURE.',/1X,                    AD103080
                    $22X,'** PRESS ENTER (S/R) TO CONTINUE **')                      AD103090
0199            1501 FORMAT(' SUGGESTED SEQUENCE:',/1X,                              AD103100
                    $'1. ON FIRST RUN REQUEST ONLY THE FIRST DISPLAY TO CHECK THAT ALL AD103110
                    $DATA ',/1X,'   HAS BEEN ENTERED CORRECTLY AND THAT ALL RATES ADD TAD103120
                    $O 1.0000.',/1X,'   THE AUDIT PROGRAM IS INVALID UNLESS ALL RATES AAD103130
                    $DD EXACTLY TO 1.0000.',/1X,                                     AD103140
                    $'2. ON SECOND RUN REQUEST FLOW RECONCILIATION TABLES AND FORMAT THAD103150
                    $REE ',/1X,'   STRENGTH DATA, I.E., ANSWER YES TO SECOND AND THIRD AD103160
                    $QUESTION.',/1X,                                                 AD103170
                    $'3. ONCE FLOWS HAVE BEEN RESOLVED THEN THE THREE TABLE SUMMARY DATAD103180
                    $A',/1X,'   AND THE FORCE STRUCTURE GRAPH CAN BE RUN.',/1X,      AD103190
                    $22X,'** PRESS ENTER (S/R) TO CONTINUE **')                      AD103200
                C                                                                    AD103210
                C---- WRITE FORMAT STATEMENTS ------------------------------------- AD103220
                C                                                                    AD103230
0200             1998 FORMAT('RUN DATE: ',I2,'/',I2,'/',I2)                          AD103240
0201             1999 FORMAT(1H ,'RUN DATE: ',I2,'/',I2,'/',I2)                      AD103250
0202             2000 FORMAT(1H1,///,55X,'** FLOW DYNAMICS **'/59X,'(FORMAT 3)'/1X,128('AD103260
                    &='))                                                            AD103270
0203             2010 FORMAT(1H1,///,55X,'** FLOW DYNAMICS **'/54X,'(CONVERTED FORMAT 3)AD103280
                    1'/1X,128('='))                                                  AD103290
0204             2020 FORMAT(1H1,///,55X,'** FLOW DYNAMICS **'/59X,'(SUM AUDIT)'/1X,  AD103300
                    1128('='))                                                       AD103310
0205             2100 FORMAT(1H ,I2,4F7.0,F7.4,F7.0,12F7.4)                          AD103320
0206             2300 FORMAT(1X,'=============================================================AD103330
                    1=============================================================AD103340
                    2=======',/1X,'->',4F7.0,7X,F7.0,'<- COLUMN TOTALS')             AD103350
0207             2400 FORMAT(1HO,56X,'** LOSS RATES **'/59X,'(ROW TOTALS)'/1X,13('YR AD103360
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     1    '))                                                                  AD103370
0208      2500 FORMAT(13(1X,I2,F7.4))                                          AD103380
0209      2600 FORMAT(1H1,'WHICH GRADES DO YOU WANT TO AUDIT ?'/               AD103390
         21X,'THE FIRST NUMBER INDICATES WHICH GRADE TO START WITH AND   '/ AD103400
         31X,'THE SECOND NUMBER INDICATES THE LAST GRADE TO AUDIT.       '/ AD103410
         41X,'ENTER TWO, ONE DIGIT NUMBERS SEPARATED BY A SPACE OR COMMA.'/ AD103420
         61X,'==========================================================='/ AD103430
         71X,'          ARMY   NAVY   USAF   USMC   CGRD   NOAA   USPH  '/ AD103440
         81X,'ENLISTED  3,9    3,9    3,9    3,9    3,9    --     --    '/ AD103450
         91X,'  WO      1,4    1,4    --     1,4    1,4    --     --    '/ AD103460
         &1X,'OFF/TOT   1,6    --     1,6    1,6    1,6    1,6    1,6   '/ AD103470
         &1X,'OFF/URL   --     1,6    --     1,6    --     --     --    '/ AD103480
         &1X,'OFF/RL    --     1,6    --     --     --     --     --    '/ AD103490
         &1X,'OFF/LDO   --     --     --     2,5    --     --     --    '/ AD103500
         &1X,'==========================================================') AD103510
0210      2700 FORMAT(1H1,'YOU HAVE ENCOUNTERED AN INPUT ERROR ATTEMPTING'/    AD103520
         11X,'TO READ DATA FROM SET NUMBER: ',I2)                             AD103530
0211      2900 FORMAT(1X,'YOU BOZO! I WENT TO ALL THAT TROUBLE EXPLAINING'/    AD103540
         11X,'HOW TO ENTER TWO SIMPLE NUMBERS AND YOU FAILED. TRY AGAIN')     AD103550
0212      2920 FORMAT(' YOU ENTERED ONLY ONE OF THE TWO NUMBERS REQUIRED.'/    AD103560
         1' TRY TO GET IT RIGHT THIS TIME.')                                  AD103570
0213      3000 FORMAT(65A1)                                                    AD103580
0214      3100 FORMAT(2X,63A1)                                                 AD103590
0215      3200 FORMAT(1H ,65A1,63A1)                                           AD103600
0216      3300 FORMAT(1H ,65A1,63A1)                                           AD103610
0217      3400 FORMAT(1H ,128('='))                                            AD103620
0218      4000 FORMAT(' ** AUDIT OPTIONS **',/1X,'ANSWER YES OR NO TO THE FOLLOWIAD103630
         SNG QUESTIONS:',///,                                                 AD103640
         S     ' #1--FORMAT THREE DISPLAY OF RATES BY GRADE AND YOS?')        AD103650
0219      4100 FORMAT(' #2--FORMAT THREE DISPLAY OF STRENGTHS BY GRADE AND YOS?')AD103660
0220      4150 FORMAT(' #4--THREE TABLES OF SUMMARY STATISTICS?')              AD103670
0221      4200 FORMAT(' #5--GRAPH OF FORCE STRUCTURE?')                        AD103680
0222      4300 FORMAT(' #3--FLOW DYNAMIC TABLES I AND II?')                    AD103690
0223      6710 FORMAT(1H ,I2,18(F7.0))                                         AD103700
0224      6720 FORMAT(1X,128('=')/2X,F8.0,17(F7.0))                            AD103710
0225      7210 FORMAT(1H ,I2,18(F7.0))                                         AD103720
0226      7220 FORMAT(1X,128('=')/2X,F8.0,17(F7.0))                            AD103730
0227      8500 FORMAT(1H1,///,1X,'FORCE CONFIGURATION (FORMAT 2)'/1X,65A1,/1X, AD103740
         188('='),/1X,                                                        AD103750
         2'YR/GRADE',6X,'1'.6X,'2',6X,'3',6X,'4',6X,'5',6X,'6',6X,'7',6X,    AD103760
         3'8',6X,'9  TOTAL   AVGYOS'/1X,88('='))                              AD103770
0228      8510 FORMAT(1H ,3X,I2,4X,9(F7.0),F8.0,2X,F4.1,1X,'|')                AD103780
0229      8520 FORMAT(1H ,88('=')/1X,'TOTAL -->',9(F7.0),F8.0,2X,F4.1)         AD103790
0230      8610 FORMAT(1H1,///,' ACCESSION, REMAIN IN SERVICE AND LOSS TABLE'/, AD103800
         11X,65A1,/,1X,113('=')/,                                             AD103810
         24X,'|',9X,'|',7X,'GAINS',7X,'|',9X,'REMAIN IN SERVICE',13X,'|',    AD103820
         311X,'LOSSES TO SERVICE'/,                                           AD103830
         44X,'|',9X,'|   TO    |   OTHR  |   XFER  |   XFER  | REMAIN | PROAD103840
```

```
                     5MOTE |',33X,'TOTAL'/,                                                AD103850
                     61X,'YOS|STRENGTH | SERVICE |  CATGRY |   CTHR  |   OPGM  | GRADE AD103860
                     7 |   OUT    |   RETIRE | ATTRITE |  DEATH  |  LOSSES'/,          AD103870
                     81X,113('='))                                                         AD103880
0231              8611 FORMAT        (' ACCESSION, REMAIN IN SERVICE AND LOSS TABLE'/,    AD103890
                     165A1,/,113('=')/,                                                    AD103900
                     23X,'|',9X,'|',7X,'GAINS',7X,'|',9X,'REMAIN IN SERVICE',13X,'|',     AD103910
                     311X,'LOSSES TO SERVICE'/,                                            AD103920
                     43X,'|',9X,'|   TO    |   OTHR  |   XFER  |   XFER  |  REMAIN | PROAD103930
                     5MOTE |',33X,'TOTAL'/,                                              AD103940
                     6   'YOS|STRENGTH | SERVICE |  CATGRY |   OTHR  |   OPGM  | GRADE AD103950
                     7 |   OUT    |   RETIRE | ATTRITE |  DEATH  |  LOSSES'/,113('=')) AD103960
0232               8620 FORMAT(2X,I2,2X,F8.0,10(3X,F7.0))                                AD103970
0233               8621 FORMAT(1X,I2,2X,F8.0,10(3X,F7.0))                                AD103980
0234               8630 FORMAT(1X,113('=')/,1X,'TOT->',F8.0,10(3X,F7.0))                 AD103990
0235               8631 FORMAT(113('=')/,'TOT->',F8.0,10(3X,F7.0))                       AD104000
0236                    GO TO 999                                                        AD104010
                   C                                                                     AD104020
                   C---- INPUT ERROR AND END OF FILE ROUTINES ---------------------------- AD104030
                   C                                                                     AD104040
0237                910 WRITE (6,2700) KOUNT                                             AD104050
0238                    GO TO 999                                                        AD104060
0239                920 NGRADE = GRADE - 1                                               AD104070
0240                    GO TO 991                                                        AD104080
0241                930 WRITE (6,2900)                                                   AD104090
0242                    GO TO 50                                                         AD104100
0243                950 WRITE (6,2920)                                                   AD104110
0244                    GO TO 50                                                         AD104120
0245                991 CONTINUE                                                         AD104130
0246                    WRITE(6,902) NGRADE                                              AD104140
0247                902 FORMAT(' YOU HAVE READ IN DATA FOR ',I2,' PAYGRADES.')           AD104150
0248                    GO TO 901                                                        AD104160
0249                999 STOP                                                         AD104170
                   C                                                                     AD104180
                   C---- END OF MAIN PROGRAM BLOCK, SUBROUTINES FOLLOW ------------------ AD104190
                   C                                                                     AD104200
0250                    END                                                              AD104210
```

COMMON BLOCK / / MAP SIZE 5E88

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FLO	0	TITLE1	5D84						

COMMON BLOCK /DATE / MAP SIZE C

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
MONTH	0	DAY	4	YEAR	8				

COMMON BLOCK /NAME / MAP SIZE 4

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
NN	0								

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	254	LDFIO#	258	DISPCL	25C	DAYTIM	260	GRAF	264
FLOWCK	268	AMAX1	26C						

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
YES	2A4	NO	2A8	NAMEDD	2AC	KOUNT	2B0	INFILE	2B4
FIRST	2B8	LAST	2BC	IPRINT	2C0	JPRINT	2C4	IFLOW	2C8
KPRINT	2CC	IGRAF	2D0	HOUR	2D4	MIN	2D8	SEC	2DC
GRADE	2E0	I	2E4	J	2E8	IDEATH	2EC	IOTRET	2F0
TOTATT	2F4	TOTLOS	2F8	TRNOVR	2FC	SUMA	300	TOTAL	304
NGRADE	308								

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	30C	SUMNUM	6090	RNUM	6AF4	FORM2	7558	TITLE2	7A44
LABEL1	7B48	LABEL2	7D50	CSUM	8044	RSUM	8090	COLSUM	811C
AVGYOS	8168	RETIRE	81F4	ATTRIT	8280	ALOSS	830C	DEATH	8398

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
1025	842C	1050	8432	1100	8438	1200	844C	1300	8455
1500	8450	1501	8700	1998	8924	1999	893E	2000	895B
2010	8992	2020	89D3	2100	8A0B	2300	8A22	2400	8ACB
2500	8B07	2600	8B13	2700	8E2B	2900	8E85	2920	8EF8
3000	8F50	3100	8F56	3200	8F5E	3300	8F6B	3400	8F78
4000	8F83	4100	9005	4150	9041	4200	906D	4300	908F
6710	9085	6720	90C2	7210	90D8	7220	90E5	8500	90FB

8510	9188	8520	91A6	8610	91CD	8611	932A	8620	9479
8621	948C	8630	949F	8631	94BE	902	94D9		

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
00962C	11		009648	12		009654	13	
00965E	14		009674	15		009682	16	
00968C	17		0096A0	18		0096AE	19	
0096BA	20		0096C2	21	50	0096CC	22	
0096E0	23		00970C	24		009716	25	
00972C	26		009748	27		00975C	28	
009778	29		00978C	30		0097A8	31	
0097BC	32		0097D8	33		0097EC	34	
009808	35		009812	36		00983C	37	
009880	38		0098A4	39		0098C8	40	
0098D8	41		009928	42	100	009944	43	
009964	44		009974	45		0099C4	46	200
0099E0	47		0099F4	48		009A00	49	
009A0E	50		009A18	51		009A24	52	300
009A40	53	400	009A60	54		009A70	55	
009A80	56		009A8C	57		009A96	58	
009AA8	59		009ABC	60	600	009AD8	61	700
009AF4	62		009B40	63		009B54	64	
009BCC	65		009C48	66		009CC4	67	
009CD8	68		009CE8	69		009D38	70	850
009D54	71		009DAC	72		009DC0	73	
009E0C	74		009E3C	76	899	009E4C	77	
009E5A	78		009E6C	79		009E7C	80	6000
009E98	81	6100	009EB4	82		009EC8	83	
009ED0	84		009EDC	85		009EE4	86	
009EEE	87		009F00	88		009F0C	89	6200
009F28	90		009F36	91		009F46	92	6300
009F5E	93	6400	009F7E	94		009F92	95	
009F9E	96		009FA8	97		009FB4	98	6500
009FD0	99	6600	009FF0	100		00A03C	101	
00A050	102		00A0C8	103		00A144	104	
00A1C0	105		00A1D4	106		00A1E4	107	
00A234	108	6700	00A250	109		00A298	110	
00A2C8	111	6750	00A2DC	112		00A2EC	113	
00A2F8	114		00A300	115	6800	00A320	116	6900
00A340	117	900	00A3AC	118	901	00A3B8	119	
00A3C0	120		00A3C8	121		00A3D0	122	
00A3E4	123		00A3F4	124		00A3FC	125	
00A408	126		00A414	127		00A422	128	
00A43A	129		00A446	130	6910	00A45E	131	
00A472	132		00A47C	133		00A488	134	
00A494	135	6920	00A4B0	136		00A4BC	137	
00A4C8	138		00A4DC	139	6930	00A4F4	140	
00A508	141		00A514	142		00A51E	143	
00A52A	144	7000	00A546	145	7100	00A566	146	

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00A572  147                 00A57A  148                 00A582  149
00A592  150                 00A59E  151                 00A5A8  152
00A5B4  153      8000       00A5D0  154      8100       00A5F0  155
00A604  156                 00A610  157                 00A618  158
00A622  159                 00A62E  160      8200       00A64A  161
00A676  162                 00A682  163                 00A690  164
00A6A0  165                 00A6BA  166      8300       00A6DA  167
00A6E8  168                 00A6FC  169                 00A780  170
00A7FC  171                 00A878  172                 00A88C  173
00A89C  174                 00A8F4  175      7200       00A910  176
00A958  177                 00A988  178                 00A9D8  179
00A9F0  180                 00AA58  181      8400       00AA74  182
00AACC  183                 00AAFC  184                 00AB1C  185
00AB38  186                 00ABD0  187      8600       00ABE8  188
00AC84  189                 00ACB4  191      8700       00ACCC  192
00ACE4  236                 00ACEA  237      910        00AD08  238
00AD0E  239      920        00AD1E  240                 00AD24  241      930
00AD38  242                 00AD3E  243      950        00AD54  244
00AD5A  246      991        00AD78  248                 00AD7E  249      999

 *OPTIONS IN EFFECT*  TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
 *OPTIONS IN EFFECT*  NAME = MAIN     , LINECNT =       50
 *STATISTICS*    SOURCE STATEMENTS =      250,PROGRAM SIZE =    44428
 *STATISTICS*  NO DIAGNOSTICS GENERATED
```

```
0001                  SUBROUTINE GRAF (FORCE, TITLE)                                    AD104220
                    C+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++C AD104230
                    C SUBROUTINE TO DISPLAY GRAPHICALLY STRENGTH BY YEAR OF SERVICE DATA C AD104240
                    C DISPLAY INCLUDES PERCENT OF YEAR GROUP SIZE AND CONTINUATION RATES C AD104250
                    C+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++C AD104260
0002                  INTEGER YOS(35), STAR, DOT, BLANK, CROSS                          AD104270
0003                  DIMENSION BODS(35), Z(101), K(35,100), PERCNT(35), FORCE(35)      AD104280
0004                  DIMENSION TITLE(65)                                               AD104290
0005                  COMMON /DATE/ MONTH,DAY,YEAR                                      AD104300
0006                  COMMON /NAME/ NN                                                  AD104310
0007                  DATA STAR/'*'/, DOT/'#'/, BLANK/' '/, CROSS/'+'/                  AD104320
0008                  DO 10 I = 1,35                                                    AD104330
0009                     KK = 36 - I                                                    AD104340
0010                     YOS(I) = KK                                                    AD104350
0011                     BODS(KK) = FORCE(I)                                            AD104360
0012                10   CONTINUE                                                      AD104370
                    C                                                                 AD104380
                    C---- COMPUTE MAXIMUM YEAR OF SERVICE STRENGTH ---------------------- AD104390
                    C                                                                 AD104400
0013                  YOSMAX = BODS(1)                                                AD104410
0014                  DO 16 I = 1,35                                                  AD104420
0015                     YOSMAX = AMAX1(YOSMAX,BODS(I))                               AD104430
0016                16 CONTINUE                                                       AD104440
0017                  DO 17 L = 100, 150000, 100                                      AD104450
0018                     X = FLOAT(L)                                                 AD104460
0019                     IF(YOSMAX .LE. X) GO TO 18                                   AD104470
0020                17 CONTINUE                                                       AD104480
                    C                                                                 AD104490
                    C---- COMPUTE THE TOTAL STRENGTH AND LOAD K ARRAY WITH BLANKS -------- AD104500
                    C                                                                 AD104510
0021                18 SUM = 0.                                                       AD104520
0022                   DO 20 I = 1,35                                                 AD104530
0023                      SUM = SUM + BODS(I)                                         AD104540
0024                      DO 19 J = 1,100                                             AD104550
0025                         K(I,J) = BLANK                                           AD104560
0026                19    CONTINUE                                                    AD104570
0027                20 CONTINUE                                                       AD104580
0028                   DO 30 I = 1,35                                                 AD104590
0029                      PERCNT(I) = 0.                                              AD104600
0030                      IF(SUM .GT. 0.) PERCNT(I) = (BODS(I) / SUM) * 100           AD104610
0031                30 CONTINUE                                                       AD104620
                    C                                                                 AD104630
                    C---- COMPUTE TABLE LABELS ------------------------------------------ AD104640
                    C                                                                 AD104650
                                                                                      AD104660
0032                  Z(1) = 0.                                                       AD104670
0033                  DO 40 I = 1,101                                                 AD104680
0034                     Z(I) = I * (X / 100.)                                        AD104690
0035                40 CONTINUE
```

```
0036                     DO 70 I = 1,35                                                AD104700
0037                        DO 50 J = 1,100                                            AD104710
0038                           IF (BODS(I) .LT. (Z(J) + ((Z(J+1) - Z(J)) * .5))) GO TO 60 AD104720
0039                  50    CONTINUE                                                   AD104730
0040                  60    K(I,J) = STAR                                              AD104740
0041                  70 CONTINUE                                                      AD104750
                        C                                                            AD104760
                        C---- WRITE PLOT TO OUTPUT DEVICE ------------------------------- AD104770
                        C                                                            AD104780
0042                     WRITE (NN,1250) (TITLE(I), I = 1,65)                        AD104790
0043                     WRITE (NN,1300)                                             AD104800
0044                     WRITE (NN,1400)                                             AD104810
                        C                                                            AD104820
                        C---- LOAD BAR GRAPH ARRAY AND COMPUTE COHORT PERCENTAGE ---------- AD104830
                        C                                                            AD104840
0045                     CUM = 0.                                                    AD104850
0046                     DO 75 I = 1,35                                              AD104860
0047                        IF(BODS(36-I) .LT. 1.) GO TO 75                          AD104870
0048                        COHORT = BODS(36-I)                                      AD104880
0049                        GO TO 76                                                 AD104890
0050                   75   CONTINUE                                                 AD104900
0051                   76   CONTINUE                                                 AD104910
0052                     DO 90 I = 1,35                                              AD104920
0053                        DO 80 J = 1,100                                          AD104930
0054                           IF (K(I,J) .EQ. STAR) KT = J                          AD104940
0055                     80    CONTINUE                                             AD104950
0056                        CUM = CUM + PERCNT(I)                                    AD104960
0057                        COPCNT = (BODS(I) / COHORT) * 100.                       AD104970
0058                     WRITE (NN,1500) YOS(I), BODS(I), PERCNT(I),COPCNT,(K(I,J),J=1,KT) AD104980
0059                     90 CONTINUE                                                 AD104990
0060                     WRITE (NN,1600) SUM                                         AD105000
0061                     WRITE (NN,1700) (Z(I),I = 10,100,10)                        AD105010
0062                     WRITE (NN,1225)MONTH,DAY,YEAR                               AD105020
                        C                                                            AD105030
                        C---- FORMAT STATEMENTS ------------------------------------------ AD105040
                        C                                                            AD105050
0063                   1225 FORMAT(1H ,'RUN DATE: ',I2,'/',I2,'/',I2)                AD105060
0064                   1250 FORMAT(1H1,////1H0,52X,65A1)                             AD105070
0065                   1300 FORMAT(16X,'%     CONTINUATION'/,1X,'YOS   YGSIZE   YG    RATE')  AD105080
0066                   1400 FORMAT(1H )                                              AD105090
0067                   1500 FORMAT(1H ,I2,F10.0,F6.2,'%',F6.2,'% :',100A1,(1))       AD105100
0068                   1600 FORMAT(1H ,'    ',F9.0,15X,'|....|....|....|....|....|....|....|....|....|....|...AD105110
                          1.|....|....|....|....|....|....|....|....|....|....|....|')  AD105120
0069                   1700 FORMAT(1H '   TOTAL STRENGTH',10X,'0',2X,10F10.0)       AD105130
0070                     RETURN                                                      AD105140
0071                     END                                                         AD105150
```

COMMON BLOCK /DATE / MAP SIZE C

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
MONTH	0	DAY	4	YEAR	8				

COMMON BLOCK /NAME / MAP SIZE 4

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
NN	0								

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	10C	AMAX1	110						

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
STAR	120	DOT	124	BLANK	128	CROSS	12C	I	130
KK	134	YOSMAX	138	L	13C	X	140	SUM	144
J	148	CUM	14C	COHORT	150	KT	154	COPCNT	158

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
YOS	15C	BODS	1E8	Z	274	K	408	PERCNT	3AB8
FORCE	3B44	TITLE	3B48						

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
1225	3B4C	1250	3B69	1300	3B7B	1400	3BB1	1500	3BB6
1600	3BD4	1700	3C4A						

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
003D2E	1		003D2E	8		003D46	9	
003D56	10		003D5E	11		003D6E	12	10
003D8A	13		003D92	14		003DA2	15	
003DBC	16	16	003DD8	17		003DE4	18	
003E08	19		003E16	20	17	003E2A	21	18
003E36	22		003E42	23		003E4E	24	
003E5C	25		003E64	26	19	003E80	27	20
003E9C	28		003EB0	29		003EBC	30	
003EDA	31	30	003EF6	32		003F02	33	
003F0E	34		003F3C	35	40	003F54	36	
003F64	37		003F74	38		003F92	39	50
003FAA	40	60	003FC4	41	70	003FDC	42	
00402C	43		004040	44		004054	45	
004060	46		00406C	47		00407E	48	
004086	49		00408C	50	75	0040A8	52	76
0040C0	53		0040CE	54		0040E4	55	80
004100	56		00410C	57		004120	58	
00418C	59	90	0041AC	60		0041C8	61	
00420C	62		00423C	70				

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = GRAF , LINECNT = 50
STATISTICS SOURCE STATEMENTS = 71,PROGRAM SIZE = 16964
STATISTICS NO DIAGNOSTICS GENERATED

```
0001                  SUBROUTINE FLOWCK (F,L,N)                                          AD105160
                    C+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++C  AD105170
                    C SUBROUTINE TO AUDIT FLOW DYNAMICS WITHIN AND BETWEEN GRADES      C  AD105180
                    C FROM YOS CELL TO YOS CELL                                        C  AD105190
                    C+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++C  AD105200
0002                  REAL MANPWR(35,9)                                                  AD105210
0003                  INTEGER*4 MONTH,DAY,YEAR                                           AD105220
0004                  INTEGER F                                                          AD105230
0005                  DIMENSION GAIN(35,9),XFER(35,9),TLOSS(35,9),PROIN(35,9),RIG(35,9)  AD105240
0006                  DIMENSION DELTA(35,9),FRMRIG(35,9),FSTR(35,9)                      AD105250
0007                  DIMENSION XOUT(35,9),STR1(35,9),STR2(35,9),DIFF1(35,9),DIFF2(35,9)AD105260
0008                  COMMON FLO(35,19,9),TITLE(65)                                      AD105270
0009                  COMMON /DATE/ MONTH,DAY,YEAR                                       AD105280
0010                  COMMON /NAME/ NN                                                   AD105290
                    C                                                                    AD105300
                    C---- COMPUTE PROMOTE IN'S FROM PREVIOUS YOS, LOWER GRADE ---------- AD105310
                    C                                                                    AD105320
0011                  LL = N - 1                                                         AD105330
0012                  DO 200 K = 1,LL                                                    AD105340
0013                     DO 100 I = 1,35                                                 AD105350
0014                     PROIN(I,1) = 0.0                                                AD105360
0015                     PROIN(I+1,K+1) = FLO(I,10,K)                                    AD105370
0016                100  CONTINUE                                                        AD105380
0017                200 CONTINUE                                                        AD105390
                    C--------------------------------------------------------------------AD105400
                    C COMPUTE MANPOWER FLOW YEAR TO YEAR AND GRADE TO GRADE             AD105410
                    C DUMMY LOAD FLOW OUTS FOR YOS CELL 1                               AD105420
                    C--------------------------------------------------------------------AD105430
0018                  DO 499 K = 1,N                                                     AD105440
0019                     FRMRIG(1,K) = 0.0                                               AD105450
0020                     RIG(1,K) = 0.0                                                  AD105460
0021                     DO 400 I = 1,35                                                 AD105470
0022                        TLOSS(I,K)     = 0.0                                        AD105480
0023                        GAIN(I,K)      = FLO(I,3,K) + FLO(I,4,K)                    AD105490
0024                        FRMRIG(I+1,K) = FLO(I,9,K)                                  AD105500
0025                        XOUT(I,K)      = FLO(I,6,K) + FLO(I,8,K)                    AD105510
0026                        DO 300 J = 11,19                                            AD105520
0027                           TLOSS(I,K) = TLOSS(I,K) + FLO(I,J,K)                     AD105530
0028                300     CONTINUE                                                    AD105540
0029                        MANPWR(I,K) = RIG(I,K)-TLOSS(I,K) - FLO(I,10,K) - XOUT(I,K) AD105550
                          +    + FLO(I,3,K) + PROIN(I,K) + FLO(I,4,K)                  AD105560
0030                        STR2(I,K) = TLOSS(I,K) + FLO(I,9,K)+FLO(I,10,K) + XOUT(I,K) AD105570
0031                        STR1(I,K) = GAIN(I,K) + PROIN(I,K) + XFER(I,K)              AD105580
0032                        IF(I .GT. 1) STR1(I,K) = STR1(I,K) + FLO(I-1,9,K)           AD105590
0033                        DIFF1(I,K) = ABS(STR1(I,K) - FLO(I,2,K))                    AD105600
0034                        DIFF2(I,K) = ABS(STR2(I,K) - FLO(I,2,K))                    AD105610
0035                        FSTR(I,K) = FLO(I,3,K) + FLO(I,4,K) + RIG(I,K) + PROIN(I,K) AD105620
0036                        RIG(I+1,K) = MANPWR(I,K)                                    AD105630
```

```
0037                        DELTA(I,K) =ABS(FLO(I,2,K) - FSTR(I,K))                    AD105640
0038                  400   CONTINUE                                                   AD105650
0039                  499 CONTINUE                                                     AD105660
                          C                                                          AD105670
                          C---- WRITE ONLY THOSE TABLES REQUESTED ---------------------- AD105680
                          C                                                          AD105690
0040                        DO 999 K = 1,N                                           AD105700
0041                        IF((K .LT. F) .OR. (K .GT. L)) GO TO 999                 AD105710
                          C                                                          AD105720
                          C---- WRITE FLOW RECONCILIATION TABLE I FOR EACH GRADE ----------- AD105730
                          C                                                          AD105740
0042                        WRITE (NN,1000) TITLE,K                                  AD105750
0043                        DO 450 I = 1,35                                          AD105760
0044                           WRITE (NN,1200) I,FLO(I,2,K),RIG(I,K),FLO(I,3,K),     AD105770
                            1   FLO(I,4,K),FLO(I,10,K),PROIN(I,K),FLO(I,6,K),      AD105780
                            2   FLO(I,8,K),TLOSS(I,K),DELTA(I,K),FSTR(I,K)         AD105790
0045                  450   CONTINUE                                                 AD105800
0046                        WRITE (NN,1275)                                          AD105810
0047                        WRITE (NN,1300) MONTH,DAY,YEAR                           AD105820
                          C                                                          AD105830
                          C---- WRITE FLOW RECONCILIATION TABLE II FOR EACH GRADE ---------- AD105840
                          C                                                          AD105850
0048                        WRITE (NN,1400) TITLE,K                                  AD105860
0049                        DO 850 I = 1,35                                          AD105870
0050                           WRITE (NN,1500) I,GAIN(I,K),FRMRIG(I,K),PROIN(I,K),XFER(I,K), AD105880
                            1   STR1(I,K),DIFF1(I,K),FLO(I,2,K),TLOSS(I,K),FLO(I,9,K), AD105890
                            2   FLO(I,10,K),XOUT(I,K),STR2(I,K),DIFF2(I,K)         AD105900
0051                  850   CONTINUE                                                 AD105910
0052                        WRITE (NN,1300) MONTH,DAY,YEAR                           AD105920
0053                  999   CONTINUE                                                 AD105930
                          C                                                          AD105940
                          C---- FORMAT STATEMENTS ------------------------------------------ AD105950
                          C                                                          AD105960
0054                   1000 FORMAT(1H1,/,1HO,'FLOW RECONCILIATION TABLE I'/,1X,65A1,/,1X, AD105970
                            1'GRADE: ',I1,/,1X,96('=')./,4X,                        AD105980
                            2'|    STRENGTH    |   ACCESSION   |      PROMOTE  |    XFER TO   AD105990
                            3  |LOSS TO| DELTA |COMPUTED|'/,                      AD106000
                            4                    ' YOST  GIVEN |  FLOW  | DIRECT| INSRVC|   OAD106010
                            5UT |  IN   |  OTHR |OFF  AM |SERVICE|GVN-FLO|STRENGTH|'  AD106020
                            6/,1X,96('='))                                          AD106030
0055                   1200 FORMAT(2X,I2,2(1X,F8.0),7(1X,F7.0),1X,F8.0,1X,F8.0)     AD106040
0056                   1275 FORMAT(1X,96('=')/,1X,                                  AD106050
                            1'FLOW(I) = RIG(I-1) + GAIN(I) + XIN(I) - PROUT(I) + PROIN(I-1,K-1)AD106060
                            2 - XOUT(I) - LOSS(I)'/,1X,96('='))                     AD106070
0057                   1300 FORMAT(1H ,' RUN DATE: ',I2,'/',I2,'/',I2)              AD106080
0058                   1400 FORMAT(1H1,/1HO,'FLOW RECONCILIATION TABLE II'/,1X,65A1,/1X, AD106090
                            1'GRADE: ',I1,/1X,110('='),/4X,'|       |     GAINS   FROM      | GAD106100
                            2AINS  |       |  GIVEN |     LOSSES         TO         | LOSS   | AD106110
```

```
                     3      |'/4X,                                                                    AD1C6120
                     4        '|        | REMAIN|PROMOTE| XFER  |  FROM  |       |                  AD106130
                     5   !     | REMAIN|PROMOTE| XFER  |  TO    |       |'/1X,                     AD106140
                     6'YOS| GAINS | GRADE |  IN   |  IN   |STRENGTH| DELTA |STRENGTH| LOADI06150
                     7SSES| GRADE | OUT   |  OUT  |STRENGTH| DELTA |'/1X,110('='))                  AD106160
0059              1500 FORMAT(2X,I2,4(1X,F7.0),1X,F8.0,1X,F7.0,1X,F8.0,4(1X,F7.0),                   AD106170
                     11X,F8.0,1X,F7.0)                                                               AD106180
0060              1600 FORMAT(1X,110('='),/1X,'-->',4(1X,F7.0),1X,F8.0,5(1X,F7.0),                   AD106190
                     11X,F8.0,1X,F7.0)                                                               AD106200
0061                  RETURN                                                                         AD106210
0062                  END                                                                            AD106220
```

COMMON BLOCK / / MAP SIZE 5E88

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FLO	0	TITLE	5D84						

COMMON BLOCK /DATE / MAP SIZE C

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
MONTH	0	DAY	4	YEAR	8				

COMMON BLOCK /NAME / MAP SIZE 4

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
NN	0								

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	DC								

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
LL	EC	N	F0	K	F4	I	F8	J	FC
F	100	L	104						

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
MANPWR	108	GAIN	5F4	XFER	AE0	TLOSS	FCC	PROIN	14B8
RIG	19A4	DELTA	1E90	FRMRIG	237C	FSTR	2868	XOUT	2D54
STR1	3240	STR2	372C	DIFF1	3C18	DIFF2	4104		

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
1000	45F0	1200	4703	1275	4723	1300	4790	1400	47AE
1500	4952	1600	4981						

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
004AC0	1		004AC0	11		004AD0	12	
004AE0	13		004AF2	14		004AFE	15	
004B06	16	100	004B22	17	200	004B42	18	
004B66	19		004B7E	20		004B8E	21	
004BA6	22		004BB2	23		004BBE	24	
004BCA	25		004BDA	26		004BE4	27	
004BF0	28	300	004C0C	29		004C3C	30	
004C5C	31		004C70	32		004C8E	33	
004CA4	34		004CBA	35		004CDE	36	
004CEE	37		004D04	38	400	004D24	39	499
004D60	40		004D7C	41		004DB2	42	
004DDC	43		004DF4	44		004E74	45	450
004E90	46		004EA4	47		004ED4	48	
004EFC	49		004F16	50		004FB8	51	850
004FD4	52		005004	53	999	005034	61	

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = FLOWCK , LINECNT = 50
STATISTICS SOURCE STATEMENTS = 62,PROGRAM SIZE = 20540
STATISTICS NO DIAGNOSTICS GENERATED

STATISTICS NO DIAGNOSTICS THIS STEP

Attachment 1d to Appendix J
Sample Input Flow Dynamic Rate Table

SAMPLE OF INPUT FLOW DYNAMIC RATE TABLE FOR A SINGLE PAY GRADE (PAGE 1).

DATA IS MANUALLY INPUT TO THIS FORMAT FROM HARD COPY DATA SETS PROVIDED BY THE SERVICES FOR EACH OCCUPATIONAL GROUP.

YR	STREN	GAINS TO	GAINS OTHER	TRANSFER TO OTHER	CAT	XFER OFF	TO PGM	REMAIN GRADE	PRO OUT
01	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
02	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
03	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
04	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
05	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
06	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
07	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
08	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
09	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
10	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
11	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
12	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
13	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
14	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
15	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
16	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
17	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
18	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
19	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
20	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
21	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
22	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
23	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
24	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
25	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
26	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
27	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
28	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
29	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
30	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
31	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
32	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
33	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
34	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000
35	00000.	00000.	00000.	00000.	0.0000	00000.	0.0000	0.0000	0.0000

SAMPLE FLOW DYNAMIC RATE TABLE (PAGE 2).

		<-ATTRITION - RETIREMENT->				<-- ATTRITION - OTHER -->			
YR	DEATH	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY	DISA-BILITY	FORCE CONTRL	VOLUN-TARY	INVOL-UNTARY
01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
07	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
08	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
09	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
19	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
26	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
32	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Attachment 2 to Appendix J
ACOL/DMSM Interface Programs

Attachment 2a to Appendix J
Sample Terminal Session
ACOL Interface Program

```
****** SAMPLE TERMINAL SESSION FOR THE LINK PROGRAM ******
NOTE: USER RESPONSE IS INDICATED BY < >.
      ? SYMBOL INDICATES PROGRAM READING DATA FROM DISK
        OR THE CONSOLE STACK.
      $= 2 SECONDS OF CPU TIME.


R; T=0.01/0.03 15:54:03
<DODLINK>
DMSACC723I E (121) R/O<-- LINKS TO DISK HOLDING ACOL TABLES
DMSACC723I F (122) R/O<-- LINKS TO DISK HOLDING FLOW DYNAMIC TABLES
ENTER FILE TYPE OF ENLISTED FORCE GRADE TABLE W/O SERVICE ID. ( 7 CHAR MAX )
<ONCEMO>
ENTER WHICH ACOL OPTION TO RUN ( BASECASE = 1 ) .
<2>


ENTER FILE TYPE OF OFFICER FORCE GRADE TABLE W/O SERVICE ID. ( 7 CHAR MAX )
<TWOTYMS>
ENTER WHICH ACOL OPTION TO RUN ( BASECASE = 1 ) .
<2>


ENTER FILE TYPE FOR DMDCRATE FILE ( 8 CHAR MAX ) .
ENTER FILE TYPE OF NONE IF DMDCRATE FILE NOT DESIRED.
<COLA5062>


IS THIS AN EXTENDED RETIREME OPTION ? ( YES|NO ) .
<NO>
NOW WORKING ENLISTED FILES...
FILE AE10FG ONCEMO2 HAS BEEN COPIED TO A DISK.
$
?
$
FILE NE10FG ONCEMO2 HAS BEEN COPIED TO A DISK.
?
$
$
FILE ME10FG ONCEMO2 HAS BEEN COPIED TO A DISK.
?
$
$
FILE FE10FG ONCEMO2 HAS BEEN COPIED TO A DISK.
?
$
$
4 FILES HAVE BEEN STACKED TO CREATE DCE04ACL ONCEMO2
?
?
$
$
$
```

```
$
FILE ACELRATE ONCEMO2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062
$
FILE NCELRATE ONCEMO2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062
$
FILE MCELRATE ONCEMO2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062
FILE FCELRATE ONCEMO2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062


DONE WITH THE 4 SERVICES GETTING DCE01ACL ONCEMO2 FILE.
$
FILE DCELRATE ONCEMO2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062
NOW WORKING OFFICER FILES...
FILE AO14FG TWOTYMS2 HAS BEEN COPIED TO A DISK.
$
?
$
FILE NO14FG TWOTYMS2 HAS BEEN COPIED TO A DISK.
?
$
FILE MO14FG TWOTYMS2 HAS BEEN COPIED TO A DISK.
?
$
$
FILE FO14FG TWOTYMS2 HAS BEEN COPIED TO A DISK.
?
$
4 FILES HAVE BEEN STACKED TO CREATE DCO04ACL TWOTYMS2
?
?
$
$
$
?
$
FILE ACOLRATE TWOTYMS2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062
$
?
$
$
FILE NCOLRATE TWOTYMS2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062
?
$
$
FILE MCOLRATE TWOTYMS2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062
$
?
$
FILE FCOLRATE TWOTYMS2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062


DONE WITH THE 4 SERVICES GETTING DCO01ACL TWOTYMS2 FILE.
?
FILE DCOLRATE TWOTYMS2 HAS BEEN WRITTEN TO FILE DMDCRATE COLA5062
```

```
DO YOU WANT TO DO THIS AGAIN ? ( YES|NO OR NEWLINK ) .
<NO>
DASD 121 DETACHED
DASD 122 DETACHED
R; T=67.77/80.29 16:01:01
```

Attachment 2b to Appendix J
DODLINK EXEC

```
#57
&CONTROL OFF NOMSG
&IF &$ EQ DEBUG &CONTROL ALL
 EXEC CLRSTAK
 DISPCL
 GLOBAL TXTLIB FORTMOD1
&IF &INDEX = 1 &IF &1 = ?    &GOTO -TELL
&IF &INDEX = 1 &IF &1 = HELP &GOTO -TELL
&GOTO -START
-TELL DISPCL
&BEGTYPE
+-------------------------------------------------------------------+
+*DODLINK IS THE MASTER EXEC TO RUN THE ACOL LINKAGE PROGRAM WHICH   +
+ OUTPUTS FLOW DYNAMIC FORMAT THREES FROM FORCE GRADE TABLES INPUT   +
+ FROM THE APL ANNUALIZED COST OF LEAVING (ACOL) MODEL.              +
+                                                                   +
+*A FILE OF FORCE DECREMENT AND FORCE PROFILE TABLES NAMED           +
+ "DMDCRATE" CAN ALSO BE OUTPUT IF DESIRED. ENTERING A DMDCRATE      +
+ FILETYPE OF "NONE" SUPPRESSES OUTPUT OF THE DMDCRATE FILE.         +
+                                                                   +
+*AN AGGREGATE DOD FILE IS PRODUCED FOR OFFICER AND ENLISTED         +
+ POPULATIONS WHEN THE DMDCRATE OPTION IS REQUESTED.                 +
+                                                                   +
+*INPUT FILE NAMES:                                                 +
+       DCO04XXX = OFFICER  (4 SERVICES)                            +
+       DCE04XXX = ENLISTED (4 SERVICES)                            +
+                                                                   +
+*INPUT FILE TYPES:                                                 +
+       FILEBILD = NORMAL (MODIFIED FOR ACOL=NO LATERAL ACCESSIONS) +
+       NEWFILE  = EXTENDED RETIREMENT OPTIONS                      +
+                                                                   +
+*NOTE: 1) XXX INDICATES ALTERNATE VERSIONS OF INPUT FILES.         +
+       2) LOSSO EXEC REQUIRES ACCESS TO ADDITIONAL FILES FOR       +
+          CONVERTING COMMISSIONED YEARS OF SERVICE TO TOTAL        +
+          FEDERAL YEARS OF SERVICE. (SEE LOSSO EXEC)               +
+                                                                   +
+*OUTPUT FILE NAMES:                                                +
+        DCO04XXX = OFFICER  (4 SERVICES)                           +
+        DCO01XXX = OFFICER  DOD AGGREGATE                          +
+        DCE04XXX = ENLISTED (4 SERVICES)                           +
+        DCE01XXX = ENLISTED DOD AGGREGATE                          +
+        DMDCRATE = 4 SERVICES + DOD OFFICER AND ENLISTED           +
+                                                                   +
+*OUTPUT FILE TYPES: WILL BE BUILT WITHIN THE EXEC TO REFLECT       +
+                    THE ORIGINAL ACOL FILE TYPE AND OPTION.        +
+*PROGRAM NAMES:                                                    +
+         EXEC:     FORTRAN:     MODULE:                           +
+         DODLINK   ACOLINK      ACOLMOD                           +
+         DODLINK   AGGRGATE     AGGMOD1                           +
+         LOSSE     LOSSENL      LOSSMODE                          +
+         LOSSO     LOSSOFCR     LOSSMODO                          +
+                                                                   +
+*CMS COMMANDS:                                                     +
+ -LINK TO &USERID1 AS 121 E (FORCE GRADE TABLES)                   +
```

```
+ -LINK TO &USERID2 AS 122 F (FORMAT THREE'S)                              +
+ -COPY &FNAME1 &FTYPE1  E TO &FNAME1 &FTOUT   A (LRECL 132                +
+ -COPY &FNAME2 &INTYPE  F TO TEMPRY  DATAFILE A (LRECL 80                 +
+                                                                          +
+*DDNAME FILE DEFINITIONS:                                                 +
+ -OUTPUT FILE 02 = PRINTER                                                +
+ -OUTPUT FILE 04 = &FNOUT  LOSSDATA A (LRECL 132 (ERR ANL) DISP MOD       +
+ -INPUT  FILE 10 = &TEMPRY DATAFILE A (LRECL 80  (FORMAT3)                +
+ -OUTPUT FILE 20 = &FNAME2 &FTOUT   A (LRECL 80  (FORMAT3) DISP MOD       +
+ -INPUT  FILE 20 = &FNAME2 &FTOUT   A (LRECL 80  (FORMAT3) DISP MOD       +
+ -INPUT  FILE 21 = &FNAME1 &FTOUT   A (LRECL 132 (FORMAT2)                +
+ -OUTPUT FILE 22 = &FNAME3 &FTOUT   A (LRECL 80  (AGGMOD1)                +
+                                                                          +
+                                                                          +
+                    R.SCHREIBER  16SEP83                                  +
+--------------------------------------------------------------------------+
&END
&TYPE DO YOU WISH TO CONTINUE ? (YES|NO).
&READ VARS &RESPONSE
&RESPONSE = &SUBSTR &RESPONSE 1 1
&IF &RESPONSE NE Y &EXIT
DISPCL
-START STATE * COMRATE A
&IF &RETCODE NE 0 &GOTO -ERR05
-LINK1 &TYPE ENTER USERID WHERE FORCE GRADE TABLE LIVES.
&READ VARS &ID1
 LINK TO &ID1 191 121 RR PASS= RPASS
&IF &RETCODE NE 0 &GOTO -ERR01
-LINK2 &TYPE ENTER USERID WHERE FLOW DYNAMIC TABLE LIVES (FORMAT 3).
&READ VARS &ID2
 LINK TO &ID2 191 122 RR PASS= RPASS
&IF &RETCODE NE 0 &GOTO -ERR02
SET CMSTYPE HT
 ACC 121 E
 ACC 122 F
SET CMSTYPE RT
-DOAGAIN &CONTINUE
&TRIP = 1
 DISPCL
&TYPE ENTER FILE TYPE OF ENLISTED FORCE GRADE TABLE W/O SERVICE ID. (7 CHAR MAX)
&READ VARS &ETYPE
&TYPE ENTER WHICH ACOL OPTION TO RUN (BASECASE = 1).
&READ VARS &ENMBR
&SPACE 2
&TYPE ENTER FILE TYPE OF OFFICER  FORCE GRADE TABLE W/O SERVICE ID. (7 CHAR MAX)
&READ VARS &OTYPE
&TYPE ENTER WHICH ACOL OPTION TO RUN (BASECASE = 1).
&READ VARS &ONMBR
&SPACE 2
&TYPE ENTER FILE TYPE FOR DMDCRATE FILE (8 CHAR MAX).
&TYPE ENTER FILE TYPE OF NONE IF DMDCRATE FILE NOT DESIRED.
&READ VARS &DMDCTYP
&SPACE 2
&END3 = ACL
```

```
&INTYPE = FILEBILD
-REENTER &CONTINUE
&POP = O
&IF &TRIP = 1 &POP = E
&TIMES = 1
&GOTO -&POP
-E DISPCL
&TYPE NOW WORKING ENLISTED FILES...
&TIME TYPE
&TAIL = 10FG
&TITLE2 = ENLISTED
&FTYPE  = &ETYPE
&FTOUT  = &CONCAT &ETYPE &ENMBR
&DOLOOP = &ENMBR
&RECS = 685
&FTOUTE = &FTOUT
&NGRADE = 9
&GOTO -AGAIN
-O DISPCL
&TYPE NOW WORKING OFFICER FILES...
&TIME TYPE
&TAIL = 14FG
&TITLE2 = OFFICER
&FTYPE  = &OTYPE
&FTOUT  = &CONCAT &OTYPE &ONMBR
&DOLOOP = &ONMBR
&RECS = 457
&FTOUTO = &FTOUT
&NGRADE = 6
-AGAIN &CONTINUE
&IF &TIMES EQ 1 &SERVICE = A
&IF &TIMES EQ 1 &TITLE1  = ARMY
&IF &TIMES EQ 2 &SERVICE = N
&IF &TIMES EQ 2 &TITLE1  = NAVY
&IF &TIMES EQ 3 &SERVICE = M
&IF &TIMES EQ 3 &TITLE1  = USMC
&IF &TIMES EQ 4 &SERVICE = F
&IF &TIMES EQ 4 &TITLE1  = USAF
&START = -59
&LOOP 1 &DOLOOP
&START = &START + 60
&FNAME1 = &CONCAT &SERVICE &POP &TAIL
&FTYPE1 = &CONCAT &FTYPE  &SERVICE
 STATE &FNAME1 &FTYPE1 E
&IF &RETCODE NE 0 &GOTO -ERR03
*** COPY FG TABLE FROM E-DISK TO A-DISK. READ IN FROM FILE DEF 21.
 COPY &FNAME1 &FTYPE1 E &FNAME1 &FTOUT A (FR &START FOR 43
&TYPE FILE &FNAME1 &FTOUT HAS BEEN COPIED TO YOUR A DISK.
&TIME TYPE
&REC = &RECS - 1
&START = -&REC
&LOOP 1 &TIMES
&START = &START + &RECS
*   OUTPUT FORMAT THREE FILENAME
```

```
&FNAME  = &CONCAT DC &POP 04ACL
*    INPUT FORMAT THREE FILENAME
&FNAME2 = &CONCAT DC &POP 04 &END3
*    AGGREGATE FORMAT THREE FILENAME
&FNAME3 = &CONCAT DC &POP 01ACL
*    ERROR ANALYSIS OUTPUT FILENAME
&FNOUT = &CONCAT &SERVICE &POP CASE- &DOLOOP
**READ SERVICE FORMAT 3 FROM F-DISK. READ AS FILE DEF 10.
 STATE &FNAME2 &INTYPE F
&IF &RETCODE NE 0 &GOTO -ERR04
 COPY &FNAME2 &INTYPE  F TEMPRY DATAFILE A (FR &START FOR &RECS
 FILEDEF 02 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
 FILEDEF 04 DISK &FNOUT  LOSSDATA A (RECFM FB LRECL 132 BLKSIZE 13200 DISP MOD
 FILEDEF 10 DISK TEMPRY  DATAFILE A
 FILEDEF 20 DISK &FNAME  &FTOUT   A (DISP MOD
 FILEDEF 21 DISK &FNAME1 &FTOUT   A (RECFM FB LRECL 132 BLKSIZE 13200
 FILEDEF 22 DISK &FNAME3 &FTOUT   A (RECFM FB LRECL 80  BLKSIZE 8000
&STACK &TITLE1
&STACK &TITLE2
&STACK &FTOUT
*STACK 0 SUPPRESSES ERROR ANALYSIS OUTPUT FROM ACOLINK
*STACK 1 ENABLES    ERROR ANALYSIS OUTPUT FROM ACOLINK
&STACK 0
 ACOLMOD
 ERASE &FNAME1 &FTOUT   A
 ERASE TEMPRY  DATAFILE A
&TIMES = &TIMES + 1
&IF &TIMES LT 5 &GOTO -AGAIN
&TIMES = &TIMES - 1
DISPCL
&TYPE &TIMES FILES HAVE BEEN STACKED TO CREATE &FNAME  &FTOUT
&TIME TYPE
&IF &DMDCTYP NE NONE &GOTO -DODMDC
&GOTO -SKIPDMDC
-DODMDC &CONTINUE
&STACK DOD
&STACK 4
&STACK &NGRADE
AGGMOD1
&IF &POP EQ E EXEC LOSSE &FNAME  &FTOUTE  &DMDCTYP
&IF &POP EQ O EXEC LOSSO &FNAME  &FTOUTO  &DMDCTYP
-SKIPDMDC &CONTINUE
&TRIP = &TRIP + 1
&IF &TRIP LT 3 &GOTO -REENTER
-OOPS &SPACE 2
&TYPE DO YOU WANT TO DO THIS AGAIN ? ( YES|NO OR NEWLINK ).
&READ VARS &ANS
&IF &ANS NE YES &IF &ANS NE NO &IF &ANS NE NEWLINK &GOTO -OOPS
&IF &ANS EQ NEWLINK &GOTO -LINK1
&IF &ANS EQ YES     &GOTO -DOAGAIN
&GOTO -CLEANUP
***ERROR MESSAGES***
-ERR01 &TYPE USERID &ID1 IS NOT CORRECT
&GOTO -LINK1
```

```
-ERR02 &TYPE USERID &ID2 IS NOT CORRECT
&GOTO -LINK2
-ERR03 &TYPE FILE &FNAME1 &FTYPE1 DOES NOT LIVE AT &ID1
&GOTO -CLEANUP
-ERR04 &TYPE FILE &FNAME2 &INTYPE DOES NOT LIVE AT &ID2
&GOTO -CLEANUP
-ERR05 DISPCL
&BEGTYPE
WE'VE GOT A PROBLEM BUD. YOU NEED FIVE FILES WITH THE FILE TYPE
OF COMRATE ON YOUR A-DISK, ONE FOR EACH SERVICE AND DOD TO
PERFORM THE YEAR OF SERVICE CONVERSION ON THE OFFICER POPULATION.
YOU NEED TO FIND THEM AND COPY THEM OVER TO YOUR A-DISK OR CHANGE
THE FILE DEFINITIONS IN THE LOSSO EXEC. SEE YOU LATER.
&END
&GOTO -STOP
-CLEANUP &CONTINUE
 REL E (DET
 REL F (DET
-STOP &BEGTYPE
PROGRAM TERMINATED...
&END
&EXIT
```

Attachment 2c to Appendix J
ACOLINK Program Listing

```
                C+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++C   AC000010
                C            ** ACOL TO MDSM LINKAGE PROGRAM **                                 C   AC000020
                C                  (ROUND OFF RATES)                                            C   AC000030
                C      ACOLINK USES CELL(I,K) VS LOSSR(I,K) IN LOSDIS SUBROUTINE                C   AC000040
                C                                                                               C   AC000050
                C      INPUTS AN OCCGRP FORMAT 3 AND A MATCHING FORMAT 2                        C   AC000060
                C      FROM THE ACOL PROGRAM AND CREATES A NEW FORMAT 3.                        C   AC000070
                C      ** MODIFIED TO DISTRIBUTE LOSSES OVER ALL GRADES.                        C   AC000080
                C      ** MODIFIED TO OPERATE ON STRENGTHS USING AN                             C   AC000090
                C      ** INTEGER FORMAT.                                                       C   AC000100
                C      ** TESTS FOR PRO(I,K) < 0 IN SUBROUTINE CHANGE                           C   AC000110
                C                                                                               C   AC000120
                C      - DDNAME 04 WRITES OUTPUT TO DISK (LOSS ARRAYS)                          C   AC000130
                C      - DDNAME 10 READS IN FORMAT THREE DATA (RATES)                           C   AC000140
                C      - DDNAME 20 WRITES OUTPUT TO DISK (NEW FORMAT 3)                         C   AC000150
                C      - DDNAME 21 READS IN ACOL DATA (FORCE GRADE TABLE)                       C   AC000160
                C                                                                               C   AC000170
                C                                                                               C   AC000180
                C VERSION: 1.8    BY: R. SCHREIBER                  08 NOV  1983              C   AC000190
                C+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++C   AC000200
0001                  REAL FILE(35,18,10),ADJFAC,LOSSR(35,10),                                      AC000210
                     +TITLE1(65),TITLE2(10,65),LABEL1(130),LABEL2(189),HDR(5,132),                  AC000220
                     +BTM(3,132),T1(8),T2(8),T3(8)                                                  AC000230
0002                  INTEGER IFILE(35,18,10),TEMP1,TEMP2,TEMP3,TTEMP,OUTPUT,GRADE,                 AC000240
                     +FIRST,TOTMPR(36),ATLOST(35),ASTN(36,10),                                      AC000250
                     +ALOST(35,10)                                                                  AC000260
0003                  INTEGER*4 MONTH, DAY, YEAR, HOUR, MIN, SEC                                    AC000270
0004                  COMMON /A/ ASTN,ALOST,LOSSR                                                   AC000280
0005                  COMMON /B/ FILE                                                               AC000290
0006                  DATA TOTMPR/36*0/                                                             AC000300
0007                  CALL DAYTIM(MONTH,DAY,YEAR,HOUR,MIN,SEC)                                      AC000310
                C---- READ TITLES FROM THE TERMINAL STACK                                          AC000320
0008                  READ(5,1005) T1                                                               AC000330
0009                  READ(5,1005) T2                                                               AC000340
0010                  READ(5,1005) T3                                                               AC000350
0011                  READ(5,*) IDISK                                                               AC000360
0012             1005 FORMAT(8A1)                                                                   AC000370
                C                                                                                  AC000380
                C---- READ FORMAT 3 PAGE ONE ------------------------------------------------------AC000390
                C                                                                                  AC000400
0013                  READ (10,1000,ERR=910) TITLE1                                                AC000410
                C---- READ UNTIL OUT OF DATA (SET K = LAST) ---------------------------------------AC000420
0014                  DO 300 K = 1, 10                                                             AC000430
0015                     READ (10,1000,END=920) (TITLE2(K,J),J=1,65)                               AC000440
0016                     READ (10,1000) LABEL1                                                     AC000450
0017                     DO 100 I = 1,35                                                           AC000460
0018                        READ (10,1100) (FILE(I,J,K), J = 1,9)                                  AC000470
0019               100    CONTINUE                                                                 AC000480
```

```
                      C                                                                 AC000490
                      C----- READ FORMAT 3 PAGE TWO ------------------------------------ AC000500
                      C                                                                 AC000510
0020                          READ (10,1001) LABEL2                                     AC000520
0021                          DO 200 I = 1,35                                           AC000530
0022                             READ (10,1200)  (FILE(I,J,K),J = 10,18)                AC000540
0023                    200   CONTINUE                                                  AC000550
0024                    300 CONTINUE                                                    AC000560
                      C                                                                 AC000570
                      C----- CALL TO SUBROUTINE TO CLEAN UP INPUT FILE ----------------- AC000580
                      C                                                                 AC000590
                      C------------------------------------------------------------------ AC000600
0025                        CALL CLEAN(LAST)                                            AC000610
                      C------------------------------------------------------------------ AC000620
                      C                                                                 AC000630
                      C---- READ IN ACOL FORCE GRADE TABLE ---------------------------- AC000640
                      C                                                                 AC000650
0026                    301 INACOL = 21                                                 AC000660
0027                        DO 320 I = 1,5                                              AC000670
0028                           READ(INACOL,1010) (HDR(I,J),J=1,132)                     AC000680
0029                    320   CONTINUE                                                  AC000690
                      C----- ** READ IN ACOL FILE ** ------------------------------------AC000700
0030                        DO 325 I = 1,35                                             AC000710
0031                           READ(INACOL,*)LOS,(ASTN(I,K),K=1,9),TOTMPR(I)            AC000720
0032                    325    CONTINUE                                                 AC000730
                      C------- READ DATA AT BOTTOM OF THE FORCE GRADE TABLE ---------------- AC000740
0033                        DO 330 I = 1,3                                              AC000750
0034                           READ(INACOL,1010) (BTM(I,J),J=1,132)                     AC000760
0035                    330   CONTINUE                                                  AC000770
                      C                                                                 AC000780
                      C----- COMPUTE LOSSES BY YOS ------------------------------------- AC000790
                      C                                                                 AC000800
0036                        DO 340 I = 1,35                                             AC000810
0037                           ATLOST(I) = TOTMPR(I) - TOTMPR(I+1)                      AC000820
0038                    340 CONTINUE                                                    AC000830
                      C                                                                 AC000840
                      C----- ZERO FILE(I,J,K) WHERE ACOL STRENGTH IS ZERO ------------------ AC000850
                      C                                                                 AC000860
0039                        DO 650 K = 1,LAST                                           AC000870
0040                           DO 650 I = 1,35                                          AC000880
0041                              IF(ASTN(I,K) .GE. 1) GO TO 650                        AC000890
0042                              DO 600 J = 1,18                                       AC000900
0043                                 FILE(I,J,K) = 0.0                                  AC000910
0044                    600       CONTINUE                                              AC000920
0045                    650 CONTINUE                                                    AC000930
                      C                                                                 AC000940
                      C------------------------------------------------------------------ AC000950
0046                        CALL LOSDIS(LAST,ATLOST,TOTMPR,IDISK)                       AC000960
```

```
                C-------------------------------------------------------------------- AC000970
                C                                                                     AC000980
                C-------------------------------------------------------------------- AC000990
0047                  CALL CHANGE(LAST,ATLOST)                                        AC001000
                C-------------------------------------------------------------------- AC001010
                C     CALL DISPCL                                                     AC001020
                C     WRITE(6,2720)                                                   AC001030
                C2720 FORMAT(' DO YOU WANT LOSS ARRAY DATA FILE ? (YES=1,NO=0)')      AC001040
0048                  IF(IDISK .EQ. 0) GO TO 465                                      AC001050
                C                                                                     AC001060
                C----- DIAGNOSTIC ROUTINE  TO PRINT LOSS ARRAYS ---------------------- AC001070
                C                                                                     AC001080
                C-------------------------------------------------------------------- AC001090
0049                  CALL ERPRNT(ATLOST,LAST)                                        AC001100
                C--------------------------------------------------------------------AC001110
                C                                                                     AC001120
                C----- START OF ROUNDING ROUTINE - CONVERT RATES TO INTEGERS ----------AC001130
                C                                                                     AC001140
0050             465      DO 480 I = 1,35                                             AC001150
0051                         DO 480 K = 1,LAST                                        AC001160
0052                            DO 470 J = 5,18                                       AC001170
0053                            IF(J .EQ. 6) GO TO 470                                AC001180
0054                               X  = FILE(I,J,K) * 10000.                          AC001190
0055                               IFILE(I,J,K) = INT(X + 0.5)                        AC001200
0056             470               CONTINUE                                          AC001210
0057             480            CONTINUE                                             AC001220
                C                                                                     AC001230
                C----- ADJUST THE RATES TO MAKE THEM SUM TO 1.0000 -------------------- AC001240
                C                                                                     AC001250
0058                    DO 800 K = 1,LAST                                             AC001260
0059                       DO 790 I = 1,35                                            AC001270
0060                          TEMP2 = IFILE(I,8,K) + IFILE(I,9,K)                     AC001280
0061                          TEMP1 = IFILE(I,5,K) + IFILE(I,7,K)                     AC001290
0062                          DO 770 J = 10,18                                        AC001300
0063                             TEMP1 = TEMP1 + IFILE(I,J,K)                         AC001310
0064             770          CONTINUE                                               AC001320
0065                          TTEMP = TEMP1 + TEMP2                                   AC001330
0066                       IF((TTEMP .EQ. 0) .OR. (TTEMP .EQ. 10000)) GO TO 790       AC001340
0067                          ADJFAC = 10000. / FLOAT(TTEMP)                          AC001350
0068                          DO 780 J = 5,18                                         AC001360
0069                          IF(J .EQ. 6) GO TO 780                                  AC001370
0070                             FILE(I,J,K) = (FLOAT(IFILE(I,J,K)) * ADJFAC ) / 10000. AC001380
0071             780          CONTINUE                                               AC001390
0072             790       CONTINUE                                                  AC001400
0073             800    CONTINUE                                                     AC001410
                C                                                                     AC001420
                C---- LOAD STRENGTH COLUMN FILE(I,1,K) USING ADJUSTED RATES ---------- AC001430
                C                                                                     AC001440
```

```
0074                    DO 850 K = 1,LAST                                       AC001450
0075                       DO 840 I = 1,35                                      AC001460
0076                          FILE(I,2,K) = 0.0                                 AC001470
0077                          FILE(I,3,K) = 0.0                                 AC001480
0078                          ISUM = 0                                          AC001490
0079                          DO 830 J = 5,18                                   AC001500
0080                             IF(J .EQ. 6) GO TO 830                         AC001510
0081                             ISUM = ISUM + INT((FILE(I,J,K)* ASTN(I,K)) + 0.5)  AC001520
0082                830          CONTINUE                                       AC001530
0083                             FILE(I,1,K)  = FLOAT(ISUM)                     AC001540
0084                             FILE(1,2,1)  = FILE(1,1,1)                     AC001550
0085                             IF(LAST .EQ. 9) FILE(1,2,3) = FILE(1,1,3)      AC001560
0086                             IF((FILE(1,1,1) .LT. 1.0) .AND. (LAST .EQ. 6))  AC001570
                       +        FILE(1,2,2) = FILE(1,1,2)                      AC001580
0087                840       CONTINUE                                          AC001590
0088                850    CONTINUE                                            AC001600
                    C                                                          AC001610
                    C---- OUTPUT NEW FORMAT 3 DATA TO DISK ---------------------- AC001620
                    C                                                          AC001630
0089                860    OUTPUT = 20                                         AC001640
0090                       WRITE(OUTPUT,1006) T1,T2,T3                         AC001650
0091                1006   FORMAT(8A1,2X,8A1,2X,8A1)                           AC001660
0092                          DO 890 GRADE = 1, LAST                           AC001670
0093                             WRITE(OUTPUT,1000) (TITLE2(GRADE,L),L=1,65)   AC001680
0094                             WRITE(OUTPUT,1000) LABEL1                     AC001690
0095                             DO 880 I = 1,35                               AC001700
0096                                WRITE(OUTPUT,1101)I,(FILE(I,J,GRADE),J=1,9)  AC001710
0097                880          CONTINUE                                      AC001720
0098                             WRITE(OUTPUT,1001) LABEL2                     AC001730
0099                             DO 885 I = 1,35                               AC001740
0100                                WRITE(OUTPUT,1201) I, (FILE(I,J,GRADE),J = 10,18)  AC001750
0101                885          CONTINUE                                      AC001760
0102                890       CONTINUE                                         AC001770
                    C                                                          AC001780
                    C---- INPUT ERROR AND END OF FILE ROUTINES ---------------- AC001790
                    C                                                          AC001800
0103                       GO TO 999                                           AC001810
0104                  910 WRITE (6,2700)                                       AC001820
0105                      GO TO 999                                            AC001830
0106                  920 LAST = K - 1                                         AC001840
                    C     WRITE (6,2800) LAST                                  AC001850
0107                      GO TO 301                                            AC001860
0108                  999 STOP                                                 AC001870
                    C                                                          AC001880
                    C---- READ / WRITE FORMAT STATEMENTS ---------------------- AC001890
                    C                                                          AC001900
0109                1000 FORMAT(65A1)                                          AC001910
0110                1010 FORMAT(132A1)                                         AC001920
```

```
0111              1001 FORMAT(2X,63A1)                                                  AC001930
0112              1100 FORMAT(2X,3F7.0,2(F7.0,F7.4),2F7.4)                              AC001940
0113              1101 FORMAT(I2,3F7.0,2(F7.0,F7.4),2F7.4)                              AC001950
0114              1200 FORMAT(2X,9F7.4)                                                 AC001960
0115              1201 FORMAT(I2,9F7.4)                                                 AC001970
0116              2700 FORMAT(' INPUT ERROR READING THE DATA SET')                      AC001980
0117              2710 FORMAT(' OUTPUT TO PRINTER (02) OR DISK (03)?')                  AC001990
0118              2800 FORMAT(' DATA HAS BEEN READ FOR ',I2,' GRADES')                  AC002000
                  C                                                                     AC002010
                  C----- END OF MAIN PROGRAM ---------------------------------------    AC002020
                  C                                                                     AC002030
0119                   END                                                            AC002040
```

COMMON BLOCK /A / MAP SIZE 1090

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
ASTN	0	ALOST	5A0	LOSSR	B18				

COMMON BLOCK /B / MAP SIZE 6270

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	0								

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
DAYTIM	194	IBCOM#	198	LDFIO#	19C	CLEAN	1A0	LOSDIS	1A4
CHANGE	1A8	ERPRNT	1AC						

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
MONTH	200	DAY	204	YEAR	208	HOUR	20C	MIN	210
SEC	214	IDISK	218	K	21C	J	220	I	224
LAST	228	INACOL	22C	LOS	230	X	234	TEMP2	238
TEMP1	23C	ITEMP	240	ADJFAC	244	ISUM	248	OUTPUT	24C
GRADE	250	L	254						

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
TITLE1	258	TITLE2	35C	LABEL1	D84	LABEL2	F8C	HDR	1280
BTM	1CD0	T1	2300	T2	2320	T3	2340	IFILE	2360
TOTMPR	85D0	ATLOST	8660						

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
1005	86F0	1006	86FA	1000	870C	1010	8712	1001	8718
1100	8720	1101	8737	1200	874E	1201	8757	2700	8760
2710	8785	2800	87AE						

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
0088C0	7		0088CA	8		0088EC	9	
00890C	10		00892C	11		008948	13	
00896C	14		008980	15		0089D4	16	
0089F4	17		008A02	18		008A54	19	100
008A70	20		008A90	21		008A9E	22	
008AF0	23	200	008B0C	24	300	008B2C	25	
008B36	26	301	008B42	27		008B4E	28	
008BA0	29	320	008B8C	30		008B90	31	
008C30	32	325	008C50	33		008C60	34	
008CB0	35	330	008CCC	36		008CDC	37	
008CE8	38	340	008D04	39		008D1C	40	
008D2E	41		008D40	42		008D4A	43	
008D56	44	600	008D6E	45	650	008DB6	46	
008DC0	47		008DCA	48		008DDC	49	
008DE6	50	465	008E02	51		008E16	52	
008E26	53		008E38	54		008E44	55	
008E6A	56	470	008E8A	57	480	008EDA	58	
008EF6	59		008F0A	60		008F16	61	
008F22	62		008F30	63		008F3C	64	770
008F58	65		008F64	66		008F9A	67	
008FC0	68		008FCC	69		008FDE	70	
009006	71	780	009026	72	790	009046	73	800
009076	74		009092	75		0090AA	76	
009086	77		00908E	78		0090C6	79	
0090D0	80		0090E2	81		009128	82	830
009144	83		009168	84		009170	85	
00918E	86		0091CC	87	840	0091EC	88	850
00921C	89	860	009228	90		009260	92	
009270	93		0092C0	94		0092E0	95	
0092EE	96		009348	97	880	009364	98	
009384	99		009392	100		0093EC	101	885
009408	102	890	009428	103		00942E	104	910
009444	105		00944A	106	920	00945A	107	
009460	108	999	00946E	119				

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = MAIN , LINECNT = 50
STATISTICS SOURCE STATEMENTS = 119,PROGRAM SIZE = 38012
STATISTICS NO DIAGNOSTICS GENERATED

```
                C-------------------------------------------------------------------+ AC002050
                C   SUBROUTINE CLEAN ADJUSTS THE INPUT FORMAT THREE RATES TO MAKE    + AC002060
                C   THEM ADD TO 1.0 BY ADDING POSITIVE DELTA TO DEATH LOSSES OR      + AC002070
                C   REDUCING THE FIRST AVAILABLE RATE STARTING WITH RIG FOR NEG DELTA.+ AC002080
                C-------------------------------------------------------------------+ AC002090
0001                    SUBROUTINE CLEAN(LAST)                                        AC002100
0002                    DIMENSION FILE(35,18,10)                                      AC002110
0003                    COMMON /B/ FILE                                               AC002120
0004                    DO 100 K = 1,LAST                                             AC002130
0005                       DO 100 I = 1,35                                            AC002140
0006                       IF(FILE(I,1,K) .LT. 1.0) GO TO 100                         AC002150
0007                          RATE = 0.0                                              AC002160
0008                          DO 20 J = 5,18                                          AC002170
0009                          IF(J .EQ. 6) GO TO 20                                   AC002180
0010                             RATE = RATE + FILE(I,J,K)                            AC002190
0011                 20       CONTINUE                                               AC002200
0012                       DELTA = 1.0 - RATE                                         AC002210
0013                       IF(DELTA .GE. 0.0) GO TO 40                                AC002220
0014                       DO 30 J = 10,18                                            AC002230
0015                       IF(FILE(I,J,K) .LT. ABS(DELTA)) GO TO 30                   AC002240
0016                          FILE(I,J,K) = FILE(I,J,K) + DELTA                       AC002250
0017                          GO TO 100                                               AC002260
0018                 30       CONTINUE                                               AC002270
0019                 40       FILE(I,11,K) = FILE(I,11,K) + DELTA                    AC002280
0020                100    CONTINUE                                                   AC002290
0021                       RETURN                                                     AC002300
                C                                                                     AC002310
                C----- END OF CLEAN ------------------------------------------------AC002320
                C                                                                     AC002330
0022                       END                                                        AC002340
```

COMMON BLOCK /B / MAP SIZE 6270

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	0								

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
K	D8	LAST	DC	I	E0	RATE	E4	J	E8
DELTA	EC								

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
000188	1		000188	4		000194	5	
00019E	6		0001AC	7		0001B4	8	
0001BE	9		0001CC	10		0001D8	11	20
0001F0	12		0001FC	13		00020A	14	
000214	15		000224	16		000230	17	
000236	18	30	00024E	19	40	00025A	20	100
00028A	21							

```
 *OPTIONS IN EFFECT*   TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
 *OPTIONS IN EFFECT*   NAME = CLEAN    , LINECNT =       50
 *STATISTICS*     SOURCE STATEMENTS =       22,PROGRAM SIZE =      658
 *STATISTICS*   NO DIAGNOSTICS GENERATED
```

```
                C-----------------------------------------------------------------------+ACO02350
                C SUBROUTINE LOSDIS DETERMINES THE LOSS ARRAY YOS BY GRADE FOR THE     +ACO02360
                C ACOL FORCE GRADE TABLE. NUMBER LOST FROM EACH YOS / GRADE DETERMINED +ACO02370
                C FROM THE RELATIONSHIP OF THE FORMAT 3 AND ACOL LOSSRATES BY YOS.     +ACO02380
                C-----------------------------------------------------------------------+ACO02390
                C                                                                       ACO02400
                C                                                                       ACO02410
0001                  SUBROUTINE LOSDIS(LAST,ATLOST,TOTMPR,IDISK)                       ACO02420
0002                  INTEGER LOST(35,10),ALOST(35,10),ASTN(36,10),MANPWR(35),TLOST(35),ACO02430
                     +ATLOST(35),GLOST,GTLOST,DENOM,TOTMPR(36)                          ACO02440
0003                  REAL LOSSR(35,10),LRATIO(35),ATLOSR(35)                           ACO02450
0004                  DIMENSION FILE(35,18,10),RIG(35,10),PRO(35,10),CELL(35,10),       ACO02460
                     +FLOSSR(35)                                                        ACO02470
0005                  COMMON /A/ ASTN,ALOST,LOSSR                                       ACO02480
0006                  COMMON /B/ FILE                                                   ACO02490
0007                  COMMON /D/ LOST,TLOST                                             ACO02500
0008                  DATA MANPWR/35*0/,FLOSSR,ATLOSR/70*0.0/,CELL/350*0.0/,            ACO02510
                     +LRATIO/35*1.0/                                                    ACO02520
                C                                                                       ACO02530
                C----- START FORMING LOSS ARRAYS ---------------------------------------- ACO02540
                C                                                                       ACO02550
0009                  DO 100 K = 1,LAST                                                 ACO02560
0010                     DO 100 I = 1,35                                                ACO02570
0011                        IF(FILE(I,1,K) .LT. 1.0) GO TO 100                          ACO02580
0012                        MANPWR(I)  = MANPWR(I) + FILE(I,1,K)                        ACO02590
0013                        LOSSR  (I,K) = 1.0 - (FILE(I,8,K) + FILE(I,9,K))            ACO02600
0014                     IF(LOSSR(I,K) .GE. 0.0) GO TO 75                               ACO02610
0015                        LOSSR(I,K) = 0.0                                            ACO02620
0016                75      RIG    (I,K) = FILE(I,8,K)                                  ACO02630
0017                        PRO    (I,K) = FILE(I,9,K)                                  ACO02640
0018                        LOST(I,K)  = INT((LOSSR(I,K) * FILE(I,1,K)) + 0.5)          ACO02650
0019                        TLOST(I)= TLOST(I) + LOST(I,K)                              ACO02660
0020            100     CONTINUE                                                        ACO02670
                C----- COMPUTE FORMAT 3 LOSS RATE BY YOS ------------------------------ ACO02680
0021                  DO 200 I = 1,35                                                   ACO02690
0022                  IF((MANPWR(I) .LT. 1) .OR. (TOTMPR(I) .LT. 1)) GO TO 200          ACO02700
0023                     FLOSSR(I) = FLOAT(TLOST(I)) / FLOAT(MANPWR(I))                 ACO02710
0024                     ATLOSR(I) = FLOAT(ATLOST(I)) / FLOAT(TOTMPR(I))                ACO02720
0025                     IF(ATLOSR(I) .GT. 0.0) LRATIO(I) = FLOSSR(I) / ATLOSR(I)       ACO02730
0026            200 CONTINUE                                                            ACO02740
                C----- COMPUTE ACOL LOSS DISTRIBUTION ---------------------------------- ACO02750
0027                  DO 300 I = 1,35                                                   ACO02760
0028                  IF(LRATIO(I) .LE. 0.0) GO TO 300                                  ACO02770
0029                     DO 300 K = 1,LAST                                              ACO02780
0030                        CELL(I,K)  = LOSSR(I,K) / LRATIO(I)                         ACO02790
0031                     IF(CELL(I,K) .GT. 1.0) CELL(I,K) = 1.0                         ACO02800
0032                        ALOST(I,K) = INT((ASTN(I,K) * CELL(I,K)) + 0.5)             ACO02810
0033            300 CONTINUE                                                            ACO02820
```

```
0034                      IF(IDISK .EQ. 0) GO TO 400                                    AC002830
0035                      WRITE(4,2730)                                                 AC002840
0036                2730  FORMAT('1H1,'ORIGINAL ALOST(I,K) ARRAY')                     AC002850
0037                      DO 315 I = 1,35                                               AC002860
0038                         WRITE(4,2731) I, (ALOST(I,K),K = 1,10)                     AC002870
0039                 315  CONTINUE                                                      AC002880
0040                2731  FORMAT('1H ,I2,10(2X,I6))                                    AC002890
0041                      WRITE(4,2740)                                                 AC002900
0042                2740  FORMAT('1H1,'YOS,FLOSSRATE,RATIO,CELLRATE')                  AC002910
0043                      DO 320 I = 1,35                                               AC002920
0044                         WRITE(4,2741) I,FLOSSR(I),LRATIO(I),(CELL(I,K),K = 1,10)   AC002930
0045                 320  CONTINUE                                                      AC002940
0046                2741  FORMAT('1H ,I2,2(2X,F7.4),5X,10(F8.4))                       AC002950
                    C                                                                   AC002960
                    C----- MAIN LOOP TO RECOMPUTE ACOL LOSS DISTRIBUTION ------------- AC002970
                    C                                                                   AC002980
0047                 400     DO 500 I = 1,35                                           AC002990
0048                            DO 500 K = 1,LAST                                       AC003000
0049                            IF(ASTN(I,K) .LT. 1) GO TO 500                          AC003010
                    C----- TEST FOR LOSSES > STRENGTH IN (I,K) ------------------------ AC003020
0050                            IF(ASTN(I,K) .GT. ALOST(I,K)) GO TO 490                 AC003030
0051                 420           GLOST = (ASTN(I,K) - ASTN(I+1,K))                    AC003040
                       +                  - INT((CELL(I,K) * ASTN(I,K)) + 0.5)          AC003050
                    C----- SET ALOST(I,K) IF RIG + PRO = 0 ------------------------------ AC003060
0052                            IF(RIG(I,K) + PRO(I,K) .EQ. 0.0) GLOST = ASTN(I,K)      AC003070
0053                            IF(GLOST .LT. 0) GLOST = INT((ASTN(I,K) * CELL(I,K)) + 0.5) AC003080
0054                            KFIRST = 1                                              AC003090
0055                 430        IF(ASTN(I,KFIRST) .GT. 0) GO TO 440                   AC003100
0056                               KFIRST = KFIRST + 1                                  AC003110
0057                               GO TO 430                                            AC003120
0058                 440        IF(KFIRST .EQ. K) GO TO 450                           AC003130
0059                               DENOM = ATLOST(I)  - (ALOST(I,KFIRST) + ALOST(I,K))  AC003140
0060                               GTLOST = ATLOST(I) - (ALOST(I,KFIRST) + GLOST)       AC003150
0061                               RATIO = 1.0                                          AC003160
0062                               IF(DENOM .GT. 0) RATIO = FLOAT(GTLOST) / FLOAT(DENOM) AC003170
0063                               GO TO 460                                            AC003180
                    C----- CHANGING LOSS FROM LEFT BOUNDARY STRENGTH ------------------- AC003190
0064                 450           DENOM  = ATLOST(I) - ALOST(I,K)                    AC003200
0065                               GTLOST = ATLOST(I) - GLOST                           AC003210
0066                               RATIO  = 1.0                                         AC003220
0067                            IF(DENOM .GT. 0) RATIO  = FLOAT(GTLOST) / FLOAT(DENOM) AC003230
                    C----- RECOMPUTE LOSS DISTRIBUTION ---------------------------------- AC003240
0068                 460           KPLUS1 = KFIRST + 1                                AC003250
0069                               DO 470 M = KPLUS1,LAST                               AC003260
0070                            IF(M .EQ. K)  GO TO 470                                 AC003270
0071                               ALOST(I,M) = INT((ALOST(I,M) * RATIO) + 0.5 )        AC003280
0072                 470           CONTINUE                                           AC003290
0073                               ALOST(I,K) = GLOST                                   AC003300
```

```
0074                        LSUM = 0                                                  AC003310
0075                        DO 480 KK = KFIRST,LAST                                   AC003320
0076                        IF(KK .EQ. K) GO TO 480                                   AC003330
0077                           LSUM = LSUM + ALOST(I,KK)                              AC003340
0078          480           CONTINUE                                                  AC003350
0079                        IF(LSUM .GT. GTLOST) GO TO 485                            AC003360
0080                        ALOST(I,K) = GTLOST - LSUM                                AC003370
0081                        GO TO 500                                                 AC003380
0082          485           RATIO = 1.0                                               AC003390
0083                      IF(LSUM .GT. 0) RATIO = FLOAT(GTLOST) / FLOAT(LSUM)         AC003400
0084                        DO 487 M = KFIRST,LAST                                    AC003410
0085                        IF(M .EQ. K) GO TO 487                                    AC003420
0086                           ALOST(I,M) = INT((ALOST(I,M) * RATIO) + 0.5)           AC003430
0087          487           CONTINUE                                                  AC003440
0088                        ALOST(I,K) = 0                                            AC003450
              C     WRITE(6,*) I,K,GTLOST,DENOM                                       AC003460
0089                        GO TO 500                                                 AC003470
              C----- TEST FOR ENOUGH LOSSES REMAINING IN GRADE ---------------------- AC003480
0090          490         IF(K .EQ. 1) GO TO 495                                    AC003490
0091                      IF(ASTN(I,K-1) .GT. 0) GO TO 500                          AC003500
0092          495         IF(ASTN(I,K) - ALOST(I,K) .LT. ASTN(I+1,K)) GO TO 420     AC003510
0093          500           CONTINUE                                                AC003520
0094                      RETURN                                                    AC003530
              C                                                                     AC003540
              C----- END OF LOSDIS ----------------------------------------------- AC003550
              C                                                                     AC003560
0095                      END                                                       AC003570
```

COMMON BLOCK /A / MAP SIZE 1090

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
ASTN	0	ALOST	5A0	LOSSR	B18				

COMMON BLOCK /B / MAP SIZE 6270

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	0								

COMMON BLOCK /D / MAP SIZE 604

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
LOST	0	TLOST	578						

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	1BC								

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
K	200	LAST	204	I	208	IDISK	20C	GLOST	210
KFIRST	214	DENOM	218	GTLOST	21C	RATIO	220	KPLUS1	224
M	228	LSUM	22C	KK	230				

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
MANPWR	234	ATLOST	2C0	TOTMPR	2C4	LRATIO	2C8	ATLOSR	354
RIG	3E0	PRO	958	CELL	ED0	FLOSSR	1448		

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
2730	14D4	2731	14F4	2740	1502	2741	1525		

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
001676	1		001676	9		0016AA	10	
0016C6	11		0016D8	12		001716	13	
001728	14		001736	15		00173E	16	75
00174E	17		00175A	18		001784	19	
00179C	20	100	001818	21		001844	22	
00187A	23		0018BC	24		0018FA	25	
001914	26	200	001944	27		001964	28	
001976	29		001988	30		001994	31	
0019AE	32		0019F4	33	300	001A4C	34	
001A5E	35		001A74	37		001A80	38	
001AD8	39	315	001AF4	41		001B08	43	
001B1C	44		001B84	45	320	001BA0	47	400
001BD8	48		001BF8	49		001C0A	50	
001C18	51	420	001C72	52		001C98	53	
001CF0	54		001CFC	55	430	001D20	56	
001D2C	57		001D32	58	440	001D40	59	
001D6C	60		001D98	61		001DA0	62	
001DEC	63		001DF2	64	450	001E06	65	
001E16	66		001E1E	67		001E6A	68	460
001E7A	69		001E90	70		001E9E	71	
001EE4	72	470	001F00	73		001F08	74	
001F14	75		001F2A	76		001F38	77	
001F44	78	480	001F60	79		001F6E	80	
001F7A	81		001F80	82	485	001F8C	83	
001FD8	84		001FF2	85		002000	86	
002046	87	487	002062	88		00206E	89	
002074	90	490	002086	91		002094	92	495
0020AE	93	500	00212E	94				

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = LOSDIS , LINECNT = 50
STATISTICS SOURCE STATEMENTS = 95,PROGRAM SIZE = 8502
STATISTICS NO DIAGNOSTICS GENERATED

```
                C-------------------------------------------------------------------+AC003580
                C                                                                   +AC003590
                C   SUBROUTINE CHANGE ADJUSTS THE FLOW RATES FROM THE INPUT FORMAT 3 +AC003600
                C   TO MATCH THE INPUT FORCE GRADE TABLE FROM ACOL. THE OUTPUT IS A  +AC003610
                C   REVISED FORMAT 3.                                               +AC003620
                C-------------------------------------------------------------------+AC003630
                C                                                                    AC003640
0001                  SUBROUTINE CHANGE(LAST,ATLOST)                                 AC003650
0002                  INTEGER  ASTN(36,10), ALOST(35,10),RIG(35,10),PRO(35,10),      AC003660
                     +ATLOST(35)                                                     AC003670
0003                  REAL     LOSSR(35,10),ALOSSR(35,10),FILE(35,18,10)             AC003680
0004                  COMMON /A/ ASTN,ALOST,LOSSR                                    AC003690
0005                  COMMON /B/ FILE                                                AC003700
0006                  COMMON /C/ PRO,RIG                                             AC003710
0007                  DATA ALOSSR/350*0.0/                                           AC003720
                                                                                     AC003730
                C                                                                    AC003740
                C----- MAIN LOOP DETERMINES RIG AND PRO BETWEEN CELLS ---------------AC003750
                C                                                                    AC003760
0008                  DO 200 I = 1,35                                                AC003770
0009                     DO 200 K = 1,LAST                                           AC003780
                C----- SKIP IT IF YOS/GRADE STRENGTH = 0. ----------------------------AC003790
0010                  IF(ASTN(I,K) .LT. 1) GO TO 200                                 AC003800
                C----- LEFT BOUNDARY CHECK -------------------------------------------AC003810
0011                  IF(K .EQ. 1) GO TO 50                                          AC003820
0012                  IF(ASTN(I,K-1) .GT. 0) GO TO 100                               AC003830
                C----- ROUTINE FOR LEFT BOUNDARY -------------------------------------AC003840
0013                50 RIG(I,K) = ASTN(I+1,K)                                        AC003850
0014                  IF(FILE(I,8,K) .LE. 0.) RIG(I,K) = 0                           AC003860
0015                  IF(ASTN(I+1,K+1) .LT. 1) GO TO 125                             AC003870
0016                  PRO(I,K) = ASTN(I,K) - (ALOST(I,K) + RIG(I,K))                 AC003880
0017                  IF(FILE(I,9,K) .LE. 0.) PRO(I,K) = 0                           AC003890
0018                  IF(PRO(I,K) .GT. ASTN(I+1,K+1)) GO TO 150                      AC003900
0019                  IF(PRO(I,K) .LT. 0) GO TO 140                                  AC003910
0020                  IF((PRO(I,K) .LT. 1) .AND. (RIG(I,K) .LT. 1)) GO TO 151        AC003920
0021                  GO TO 200                                                      AC003930
                C----- ROUTINE FOR INTERNAL STRENGTH CELL ---------------------------AC003940
0022                100 RIG(I,K) = ASTN(I+1,K) - PRO(I,K-1)                          AC003950
0023                  IF(FILE(I,8,K) .LE. 0.) RIG(I,K) = 0                           AC003960
0024                  IF(ASTN(I+1,K+1) .LT. 1) GO TO 125                             AC003970
0025                  PRO(I,K) = ASTN(I,K) - (ALOST(I,K) + RIG(I,K))                 AC003980
0026                  IF(FILE(I,9,K) .LE. 0.) PRO(I,K) = 0                           AC003990
0027                  IF(PRO(I,K) .GT. ASTN(I+1,K+1)) GO TO 150                      AC004000
0028                  IF(PRO(I,K) .LT. 0) GO TO 140                                  AC004010
0029                  IF((PRO(I,K) .LT. 1) .AND. (RIG(I,K) .LT. 1)) GO TO 151        AC004020
0030                  GO TO 200                                                      AC004030
                C----- ROUTINE FOR RIGHT BOUNDARY ----------------------------------AC004040
0031                125 PRO(I,K) = 0                                                 AC004050
0032                  NULOST = ASTN(I,K) - RIG(I,K)
```

```
0033                GO TO 180                                                   AC004060
                  C----- ROUTINE FOR PRO(I,K) < 0 ON INTERNAL CELLS ----------AC004070
0034                140 PRO(I,K) = INT((ASTN(I,K)*FILE(I,9,K))+0.5)           AC004080
0035                    GO TO 151                                               AC004090
0036                150 PRO(I,K) =  ASTN(I+1,K+1)                             AC004100
0037                151 NULOST   =  ASTN(I,K) - (RIG(I,K) + PRO(I,K))         AC004110
0038                    GO TO 180                                               AC004120
                  C----- ROUTINE TO CHANGE THE LOSS DISTRIBUTION AGAIN -------- AC004130
0039                180 NDENOM = 0                                            AC004140
0040                    DO 181 M = 1,LAST                                       AC004150
0041                    IF(M .EQ. K) GO TO 181                                  AC004160
0042                       NDENOM = NDENOM + ALOST(I,M)                         AC004170
0043                181 CONTINUE                                              AC004180
0044                    NMRATR = ATLOST(I) - NULOST                             AC004190
0045                    X = 1.0                                                 AC004200
0046                    IF(NDENOM .GT. 0) X = FLOAT(NMRATR) / FLOAT(NDENOM)     AC004210
0047                    DO 182 M = 1,LAST                                       AC004220
0048                    IF(M .EQ. K) GO TO 182                                  AC004230
0049                       ALOST(I,M) = INT((ALOST(I,M) * X) + 0.5)             AC004240
0050                182 CONTINUE                                              AC004250
0051                    GO TO 200                                               AC004260
                  C----- END OF LOOP THAT DETERMINES RIG, PRO, AND LOSSES ----- AC004270
0052                200 CONTINUE                                              AC004280
                  C                                                           AC004290
                  C----- LOOP TO CHANGE FORMAT 3 RATES ----------------------- AC004300
                  C                                                           AC004310
0053                    DO 400 K = 1,LAST                                       AC004320
0054                       DO 400 I = 1,35                                      AC004330
                  C----- SKIP IT IF YOS/GRADE STRENGTH = 0. ------------------- AC004340
0055                    IF(ASTN(I,K) .LT. 1) GO TO 400                          AC004350
0056                       ALOSSR(I,K) = FLOAT(ALOST(I,K)) / FLOAT(ASTN(I,K))   AC004360
0057                    IF(LOSSR(I,K) .GT. 0.0) ADJFAC = ALOSSR(I,K) / LOSSR(I,K) AC004370
                  C----- COMPUTE NEW RATES ------------------------------------ AC004380
0058                260    FILE(I,5,K) = FILE(I,5,K) * ADJFAC                   AC004390
0059                       FILE(I,7,K) = FILE(I,7,K) * ADJFAC                   AC004400
0060                         DO 300 J = 10,18                                   AC004410
0061                            FILE(I,J,K) = FILE(I,J,K) * ADJFAC              AC004420
0062                300      CONTINUE                                           AC004430
0063                       FILE(I,1,K) = FLOAT(ASTN(I,K))                       AC004440
0064                       FILE(I,8,K) = FLOAT(RIG(I,K)) / FLOAT(ASTN(I,K))     AC004450
0065                       FILE(I,9,K) = FLOAT(PRO(I,K)) / FLOAT(ASTN(I,K))     AC004460
0066                400 CONTINUE                                              AC004470
                  C----- RETURN NEW FILE(I,J,K) TO CALLING PROGRAM ----------- AC004480
0067                    RETURN                                                  AC004490
                  C                                                           AC004500
                  C----- END OF CHANGE ------------------------------------------AC004510
                  C                                                           AC004520
0068                    END                                                     AC004530
```

COMMON BLOCK /A / MAP SIZE 1090

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
ASTN	0	ALOST	5A0	LOSSR	B18				

COMMON BLOCK /B / MAP SIZE 6270

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	0								

COMMON BLOCK /C / MAP SIZE AF0

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
PRO	C	RIG	578						

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
I	18C	K	190	LAST	194	NULOST	198	NDENOM	19C
M	1A0	NMRATR	1A4	X	1A8	ADJFAC	1AC	J	1B0

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
ATLOST	194	ALOSSR	1B8						

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
00083C	1		00083C	8		000870	9	
000894	10		0008A6	11		0008B4	12	
0008C2	13	50	0008D2	14		0008F0	15	
000902	16		000920	17		00093A	18	
00094C	19		00095A	20		000990	21	
000996	22	100	0009AA	23		0009C8	24	
0009DA	25		0009F8	26		000A12	27	
000A24	28		000A32	29		000A68	30	
000A6E	31	125	000A76	32		000A8A	33	
000A90	34	140	000ADA	35		000AE0	36	150
000AEC	37	151	000B06	38		000B0C	39	180
000B14	40		000B20	41		000B2E	42	
000B3A	43	181	000B52	44		000B62	45	
000B6A	46		000BB6	47		000BC2	48	
000BD0	49		000C12	50	182	000C2A	51	
000C30	52	200	000CB4	53		000CE4	54	
000D00	55		000D0E	56		000D50	57	
000D72	58	260	000D7E	59		000D8A	60	
000D94	61		000DA0	62	300	000DB8	63	
000DD8	64		000E1E	65		000E60	66	400
000EDC	67							

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = CHANGE , LINECNT = 50
STATISTICS SOURCE STATEMENTS = 68,PROGRAM SIZE = 3812
STATISTICS NO DIAGNOSTICS GENERATED

```
                C-------------------------------------------------------------------+ AC004540
                C   SUBROUTINE ERPRNT PRINTS THE LOSS DISTRIBUTION ARRAYS ON        + AC004550
                C   A DISK FILE FOR ERROR ANNALYSIS.(USES C-DISK).                  + AC004560
                C                                                                   + AC004570
                C-------------------------------------------------------------------+ AC004580
0001                      SUBROUTINE ERPRNT(ATLOST,LAST)                              AC004590
0002                      INTEGER LOST(35,10),TLOST(35),ALOST(35,10),ATLOST(35),      AC004600
                         +PRO(35,10),RIG(35,10),ASTN(36,10)                           AC004610
0003                      REAL LOSSR(35,10)                                           AC004620
0004                      COMMON /A/ ASTN,ALOST,LOSSR                                 AC004630
0005                      COMMON /C/ PRO,RIG                                          AC004640
0006                      COMMON /D/ LOST,TLOST                                       AC004650
0007                      WRITE(4,1010)                                               AC004660
0008                1010  FORMAT(1H1,'FORMAT 3 LOST YOS X GRADE,TOTAL LOST')          AC004670
0009                      DO 10 I = 1,35                                              AC004680
0010                         WRITE(4,1015) I, (LOST(I,K),K = 1,10), TLOST(I)          AC004690
0011                  10  CONTINUE                                                    AC004700
0012                      WRITE(4,1020)                                               AC004710
0013                1020  FORMAT(1H1,'LOSS RATE FROM FORMAT 3')                       AC004720
0014                      DO 20 I = 1,35                                              AC004730
0015                         WRITE(4,1025) I, (LOSSR(I,K),K = 1,10)                   AC004740
0016                  20  CONTINUE                                                    AC004750
0017                      WRITE(4,1030)                                               AC004760
0018                1030  FORMAT(1H1,'ACOL LOST YOS X GRADE,TOTAL LOST')              AC004770
0019                      DO 30 I = 1,35                                              AC004780
0020                         WRITE(4,1015) I, (ALOST(I,K),K = 1,10), ATLOST(I)        AC004790
0021                  30  CONTINUE                                                    AC004800
                C         WRITE(4,1040)                                               AC004810
                C1040     FORMAT(1H1,'PERCENT LOST DISTRIBUTION FROM FORMAT 3')       AC004820
                C         DO 40 I = 1,35                                              AC004830
                C            WRITE(4,1025) I, (PLOST(I,K),K = 1,10)                   AC004840
                C   40    CONTINUE                                                    AC004850
0022                      WRITE(4,1050)                                               AC004860
0023                1050  FORMAT(1H1,'ACOL REMAIN IN GRADE')                          AC004870
0024                      DO 50 I = 1,35                                              AC004880
0025                         WRITE(4,1035) I, (RIG(I,K),K = 1,10)                     AC004890
0026                  50  CONTINUE                                                    AC004900
0027                      WRITE(4,1060)                                               AC004910
0028                1060  FORMAT(1H1,'ACOL PROMOTE OUT')                              AC004920
0029                      DO 60 I = 1,35                                              AC004930
0030                         WRITE(4,1035) I, (PRO(I,K),K = 1,10)                     AC004940
0031                  60  CONTINUE                                                    AC004950
0032                1015  FORMAT(1H ,I2,10(2X,I6),I6)                                 AC004960
0033                1025  FORMAT(1H ,I2,10(2X,F7.4))                                  AC004970
0034                1035  FORMAT(1H ,I2,10(2X,I6))                                    AC004980
0035                      RETURN                                                      AC004990
                C                                                                     AC005000
                C----- END OF ERPRNT ------------------------------------------------AC005010
```

```
                C
0036                END                                                    AC005020
                                                                           AC005030
```

COMMON BLOCK /A / MAP SIZE 1090

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
ASTN	0	ALOST	5A0	LOSSR	B18				

COMMON BLOCK /C / MAP SIZE AF0

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
PRO	0	RIG	578						

COMMON BLOCK /D / MAP SIZE 604

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
LOST	0	TLOST	578						

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	C4								

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
I	C8	K	CC	LAST	D0				

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
ATLOST	D4								

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
1010	D8	1020	103	1030	121	1050	148	1060	163
1015	17A	1025	18A	1035	199				

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
000248	1		000248	7		00025C	9	
00026C	10		0002C4	11	10	0002DC	12	
0002F0	14		0002FC	15		00034C	16	20
000364	17		000378	19		00038C	20	
0003E4	21	30	000400	22		000414	24	
000420	25		000470	26	50	000488	27	
00049C	29		0004A8	30		0004F8	31	60
000510	35							

```
 *OPTIONS IN EFFECT*  TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
 *OPTIONS IN EFFECT*  NAME = ERPRNT   , LINECNT =      50
 *STATISTICS*     SOURCE STATEMENTS =      36,PROGRAM SIZE =     1304
 *STATISTICS*  NO DIAGNOSTICS GENERATED
```

```
                C                                                                AC005040
                C----- BLOCK DATA INITIALIZES FILE & ASTN ARRAYS ----------------AC005050
                C                                                                AC005060
0001                  BLOCK DATA                                                 AC005070
0002                  INTEGER ASTN,ALOST,PRO,RIG,TLOST                           AC005080
0003                  REAL LOSSR                                                 AC005090
0004                  COMMON /A/ ASTN(36,10),ALOST(35,10),LOSSR(35,10)           AC005100
0005                  COMMON /B/ FILE(35,18,10)                                  AC005110
0006                  COMMON /C/ PRO(35,10),RIG(35,10)                           AC005120
0007                  COMMON /D/ TLOST(35),LOST(35,10)                           AC005130
0008                  DATA FILE /6300*0.0/,ASTN,ALOST/710*0/,LOSSR/350*0.0/,     AC005140
                     +PRO,RIG/700*0/,LOST,TLOST/385*0/                           AC005150
0009                  END                                                        AC005160
```

COMMON BLOCK /A / MAP SIZE 1090

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
ASTN	0	ALOST	5A0	LOSSR	B18				

COMMON BLOCK /B / MAP SIZE 6270

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	0								

COMMON BLOCK /C / MAP SIZE AF0

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
PRO	0	RIG	578						

COMMON BLOCK /D / MAP SIZE 604

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
TLOST	0	LOST	8C						

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = BLK DATA, LINECNT = 50
STATISTICS NO DIAGNOSTICS GENERATED

STATISTICS NO DIAGNOSTICS THIS STEP

Attachment 2d to Appendix J
OCCLINK EXEC

```
#57
&CONTROL OFF NOMSG
&IF &$ EQ DEBUG &CONTROL ALL
 EXEC CLRSTAK
 DISPCL
 GLOBAL TXTLIB FORTMOD1
&IF &INDEX = 1 &IF &1 = ?    &GOTO -TELL
&IF &INDEX = 1 &IF &1 = HELP &GOTO -TELL
&GOTO -START
-TELL DISPCL
&BEGTYPE
+-------------------------------------------------------------------+
+*OCCLINK IS THE MASTER EXEC TO RUN THE ACOL LINKAGE PROGRAM WHICH   +
+ OUTPUTS FLOW DYNAMIC FORMAT THREES FROM FORCE GRADE TABLES INPUT   +
+ FROM THE APL ANNUALIZED COST OF LEAVING (ACOL) MODEL.              +
+                                                                    +
+*RUNS ALL FOUR SERVICES (OFFICER OR ENLISTED) BY OCCUPATION GROUP.  +
+ IT TAKES INTO ACCOUNT MISSING OCC GROUPS IN SOME SERVICES.         +
+                                                                    +
+*INPUT FILE NAMES:                                                 +
+       DCO00XX TO DCO13XX = OFFICER  (4 SERVICES)                   +
+       DCE00XX TO DCE09XX = ENLISTED (4 SERVICES)                   +
+*INPUT FILE TYPES:                                                 +
+       OCCDATA = NORMAL (MODIFIED FOR ACOL=NO LATERAL ACCESSIONS)   +
+*OUTPUT FILE NAMES:                                                +
+        DCO00XX TO DCO13XX = OFFICER  (4 SERVICES)                  +
+        DCE00XX TO DCE09XX = ENLISTED (4 SERVICES)                  +
+*OUTPUT FILE TYPES: WILL BE BUILT WITHIN THE EXEC TO REFLECT        +
+                    THE ORIGINAL ACOL FILE TYPE AND OPTION.         +
+*PROGRAM NAMES:                                                    +
+         EXEC:     FORTRAN:     MODULE:                           +
+         OCCLINK   ACOLINK      ACOLMOD                           +
+                                                                    +
+*CMS COMMANDS:                                                     +
+ -LINK TO &USERID  AS 121 E (FORCE GRADE TABLES)                    +
+ -LINK TO QRMC1NAM AS 122 F (FLOW DYNAMIC TABLES-FORMAT 3)          +
+ -COPY &FNAME1 &FTYPE1  E TO FORCGRAD TABLE    A (LRECL 132         +
+ -COPY &FNAME2 &INTYPE  F TO TEMPRY   DATAFILE A (LRECL 80          +
+                                                                    +
+*DDNAME FILE DEFINITIONS:                                          +
+ -OUTPUT FILE 02 = PRINTER                                          +
+ -INPUT  FILE 10 = &TEMPRY  DATAFILE A (LRECL 80  (FORMAT3)         +
+ -OUTPUT FILE 20 = &FNAME2  &FTOUT   A (LRECL 80  (FORMAT3) DISP MOD+
+ -INPUT  FILE 21 = FORCGRAD TABLE    A (LRECL 132 (FORMAT2)         +
+                                                                    +
+                                                                    +
+                    R.SCHREIBER  16SEP83                            +
+-------------------------------------------------------------------+
&END
&TYPE DO YOU WISH TO CONTINUE ? (YES|NO).
&READ VARS &RESPONSE
&RESPONSE = &SUBSTR &RESPONSE 1 1
&IF &RESPONSE NE Y &EXIT
```

```
 DISPCL
-START &TYPE ENTER USERID WHERE FORCE GRADE TABLE LIVES.
&READ VARS &ID1
 LINK TO &ID1 191 121 RR PASS= RPASS
&IF &RETCODE NE 0 &GOTO -ERRO1
-LINK2 &TYPE ENTER USERID WHERE FLOW DYNAMIC TABLE LIVES (FORMAT 3).
&READ VARS &ID2
 LINK TO &ID2 191 122 RR PASS= RPASS
&IF &RETCODE NE 0 &GOTO -ERRO2
SET CMSTYPE HT
 ACC 121 E
 ACC 122 F
SET CMSTYPE RT
-DOAGAIN DISPCL
&TYPE ENTER FILE TYPE OF FORCE GRADE TABLE W/O SERVICE ID. (7 CHAR MAX)
&READ VARS &INTYPE
&SPACE 2
&TYPE ENTER WHICH ACOL OPTION TO RUN (BASECASE = 1).
&READ VARS &OPTION
&SPACE 2
&TYPE ENTER RUN TYPE (E = ENLISTED, O = OFFICER).
&READ VARS &POP
&TIMES = 1
&TRIPS = 1
&GOTO -&POP
-E DISPCL
&BEGTYPE
SPECIFY WHICH OCCUPATION GROUP TO RUN:
CODE  OCCUPATION
 0    INFANTRY/GUNNER/SEAMAN
 1    ELEC EQUIP REPAIR
 2    COMM/INTELL
 3    MEDICAL/DENTAL
 4    OTHER TECH SPCLST
 5    SUPPORT/ADMIN
 6    MECH EQUIP REPAIR
 7    CRAFTSMAN
 8    SERVICE/SUPPLY
 9    NON-OCCUPATIONAL
&END
&READ VARS &OCCODE
&OCCODE = &CONCAT 0 &OCCODE
&TAIL = &CONCAT &OCCODE FG
&TITLE2 = ENLISTED
&FTOUT  = &CONCAT &INTYPE &OPTION
&DOLOOP = &OPTION
&RECS = 685
-SETETIMES &CONTINUE
&IF &OCCODE EQ 3 &IF &TIMES EQ 3 &TIMES = 4
&GOTO -TITLES
-O DISPCL
&BEGTYPE
SPECIFY WHICH OCCUPATION GROUP TO RUN:
CODE    OCCUPATION
```

```
 0       LEGAL
 1       CHAPLAIN
 2       PHYSICIAN
 3       DENTIST
 4       NURSE
 5       VETERINARIAN
 6       MED-SVC-CORPS
 7       BIO-MED
 8       PILOTS
 9       NAVIGATORS
10       COMBAT/NAV OPS
11       COMBAT SUPPORT
12       SCI/ENG
13       OTHER(LDO)
&END
&READ VARS &OCCODE
&IF &OCCODE LT 10 &OCCODE = &CONCAT 0 &OCCODE
&TAIL = &CONCAT &OCCODE FG
&TITLE2 = OFFICER
&FTOUT  = &CONCAT &INTYPE &OPTION
&DOLOOP = &OPTION
&RECS = 457
-SETOTIMES &CONTINUE
&IF &OCCODE EQ  1 &IF &TIMES EQ 3 &TIMES = 4
&IF &OCCODE EQ  2 &IF &TIMES EQ 3 &TIMES = 4
&IF &OCCODE EQ  3 &IF &TIMES EQ 3 &TIMES = 4
&IF &OCCODE EQ  4 &IF &TIMES EQ 3 &TIMES = 4
&IF &OCCODE EQ  5 &IF &TIMES GT 1 &GOTO -DONE
&IF &OCCODE EQ  6 &IF &TIMES EQ 3 &TIMES = 4
&IF &OCCODE EQ  7 &IF &TIMES EQ 2 &TIMES = 4
&IF &OCCODE EQ  9 &IF &TIMES EQ 1 &TIMES = 2
&IF &OCCODE EQ 10 &IF &TIMES EQ 4 &GOTO -DONE
&IF &OCCODE EQ 11 &IF &TIMES EQ 2 &TIMES = 3
&IF &OCCODE EQ 12 &TIMES = 4
&IF &OCCODE EQ 13 &IF &TIMES EQ 4 &GOTO -DONE
-TITLES &CONTINUE
&IF &TIMES EQ 1 &SERVICE = A
&IF &TIMES EQ 1 &TITLE1  = ARMY
&IF &TIMES EQ 2 &SERVICE = N
&IF &TIMES EQ 2 &TITLE1  = NAVY
&IF &TIMES EQ 3 &SERVICE = M
&IF &TIMES EQ 3 &TITLE1  = USMC
&IF &TIMES EQ 4 &SERVICE = F
&IF &TIMES EQ 4 &TITLE1  = USAF
&START = -59
&LOOP 1 &DOLOOP
&START = &START + 60
*** SET NAME FOR INPUT FORCE GRADE TABLE ***
&FNAME1 = &CONCAT &SERVICE &POP &TAIL
&FTYPE1 = &CONCAT &INTYPE  &SERVICE
*** COPY FG TABLE FROM E-DISK TO A-DISK. READ IN FROM FILE DEF 21 ***
 STATE &FNAME1 &FTYPE1 E
&IF &RETCODE NE 0 &GOTO -ERR03
```

```
 COPY  &FNAME1 &FTYPE1 E FORCGRAD TABLE A (FR &START FOR 43
&TYPE FILE &FNAME1 &FTOUT HAS BEEN COPIED TO YOUR A-DISK.
&REC = &RECS - 1
&START = -&REC
&LOOP 1 &TRIPS
&START = &START + &RECS
&TRIPS = &TRIPS + 1
***  SET NAME FOR INPUT AND OUTPUT FORMAT THREE ***
&FNAME2 = &CONCAT DC &POP &OCCODE XX
***  READ SERVICE FORMAT 3 FROM F-DISK. READ AS FILE DEF 10 ***
 STATE &FNAME2 OCCDATA  F
&IF &RETCODE NE 0 &GOTO -ERR04
 COPY  &FNAME2 OCCDATA  F TEMPRY DATAFILE A (FR &START FOR &RECS
 FILEDEF 02 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
 FILEDEF 04 DISK &FNAME2  ANALYSIS A (DISP MOD
 FILEDEF 10 DISK TEMPRY   DATAFILE A
 FILEDEF 20 DISK &FNAME2  &FTOUT   A (DISP MOD
 FILEDEF 21 DISK FORCGRAD TABLE    A (RECFM FB LRECL 132 BLKSIZE 13200
&STACK &TITLE1
&STACK &TITLE2
&STACK &FTOUT
*** ERROR ANALYSIS OUTPUT *******
*STACK 0 SUPPRESSES ERROR ANALYSIS OUTPUT FROM ACOLINK
*STACK 1 ENABLES    ERROR ANALYSIS OUTPUT FROM ACOLINK
&STACK 0
 ACOLMOD
 ERASE TEMPRY   DATAFILE A
 ERASE FORCGRAD TABLE    A
&TYPE DONE WITH &TITLE1  &TITLE2
&TIMES = &TIMES + 1
&IF &TIMES GE 5 &GOTO -DONE
&IF &POP EQ E &GOTO -SETETIMES
&GOTO -SETOTIMES
-DONE &CONTINUE
&TRIPS = &TRIPS - 1
&TYPE &TRIPS FILES HAVE BEEN STACKED TO CREATE &FNAME2 &FTOUT
-OOPS &SPACE 2
&TYPE DO YOU WANT TO DO THIS AGAIN ? ( YES|NO OR NEWLINK ).
&READ VARS &ANS
&IF &ANS NE YES &IF &ANS NE NO &IF &ANS NE NEWLINK &GOTO -OOPS
&IF &ANS EQ NEWLINK &GOTO -START
&IF &ANS EQ YES     &GOTO -DOAGAIN
&GOTO -CLEANUP
***ERROR MESSAGES***
-ERR01 &TYPE CHECK SPELLING OF USERID, &ID1 IS WRONG.
&GOTO -START
-ERR02 &TYPE CHECK SPELLING OF USERID, &ID2 IS WRONG.
&GOTO -LINK2
-ERR03 &TYPE FILE &FNAME1 &FTYPE1 DOES NOT LIVE AT &ID1
&GOTO -CLEANUP
-ERR04 &TYPE FILE &FNAME2 &INTYPE DOES NOT LIVE AT &ID2
-CLEANUP &CONTINUE
 REL E (DET
```

```
 REL F (DET
-STOP &BEGTYPE
PROGRAM TERMINATED...
&END
&EXIT
```

Attachment 2e to Appendix J
Sample Input to Interface Program
From ACOL Model

ACOL OUTPUT DATE OF RUN: 12/22/83 19:11:33 BASE YEAR: SEVEN YEAR AVG.
SERVICE: ARMY ENLISTED MEN 10 * * AGGREGATE * *
CURRENT
USAR10 ACOL VEST=20;ANU=38;MULT=.025;HI AVG=N;DEC=Y;CHPAY=N;DUAL TRK=N;BETA= .000165;ENLOSS= .00;INC COLA=Y

LOS	1	2	3	4	5	6	7	8	9	TOTAL	LOSSES	LOSS	RETN	CONT
1	0	0	135219	0	0	0	0	0	0	135219	22538	.167	.833	1.000
2	0	0	66106	46575	0	0	0	0	0	112681	18616	.165	.835	.833
3	0	0	20642	68831	4592	0	0	0	0	94065	45279	.481	.519	.696
4	0	0	5438	27092	16255	0	0	0	0	48786	13945	.286	.714	.361
5	0	0	0	12475	22366	0	0	0	0	34840	4151	.119	.881	.258
6	0	0	0	5812	24146	732	0	0	0	30689	5007	.163	.837	.227
7	0	0	0	3667	19860	2156	0	0	0	25683	4140	.161	.839	.190
8	0	0	0	2333	12351	6806	53	0	0	21542	3238	.150	.850	.159
9	0	0	0	1610	6179	10445	71	0	0	18305	2090	.114	.886	.135
10	0	0	0	1273	3619	11114	209	0	0	16215	1401	.086	.914	.120
11	0	0	0	0	2613	11745	455	0	0	14814	1099	.074	.926	.110
12	0	0	0	0	2004	9656	2018	36	0	13714	921	.067	.933	.101
13	0	0	0	0	1625	7655	3457	56	0	12793	679	.053	.947	.095
14	0	0	0	0	1303	4990	5733	88	0	12115	485	.040	.960	.090
15	0	0	0	0	1165	3716	6593	156	0	11629	372	.032	.968	.086
16	0	0	0	0	1093	2866	6981	318	0	11258	266	.024	.976	.083
17	0	0	0	0	1041	2380	6889	669	12	10991	163	.015	.985	.081
18	0	0	0	0	1013	2180	6418	1201	16	10829	100	.009	.991	.080
19	0	0	0	0	996	2105	5322	2279	27	10729	113	.011	.989	.079
20	0	0	0	0	969	2042	4469	3086	50	10616	4761	.448	.552	.079
21	0	0	0	0	527	1072	1625	2547	84	5855	2104	.359	.641	.043
22	0	0	0	0	0	706	622	2251	171	3750	1028	.274	.726	.028
23	0	0	0	0	0	494	361	1553	314	2723	678	.249	.751	.020
24	0	0	0	0	0	0	276	1050	718	2044	469	.230	.770	.015
25	0	0	0	0	0	0	182	583	810	1575	271	.172	.828	.012
26	0	0	0	0	0	0	141	386	777	1304	327	.251	.749	.010
27	0	0	0	0	0	0	0	243	734	977	309	.316	.684	.007
28	0	0	0	0	0	0	0	123	545	668	155	.232	.768	.005
29	0	0	0	0	0	0	0	81	432	513	143	.279	.721	.004
30	0	0	0	0	0	0	0	58	311	370	310	.839	.161	.003
31	0	0	0	0	0	0	0	0	59	59	50	.839	.161	.000
32	0	0	0	0	0	0	0	0	10	10	8	.839	.161	.000
33	0	0	0	0	0	0	0	0	2	2	1	.839	.161	.000
34	0	0	0	0	0	0	0	0	0	0	0	.839	.161	.000
35	0	0	0	0	0	0	0	0	0	0	0	1.000	.000	.000
TOTAL	0	0	227405	169667	123715	82860	51878	16765	5073	677362	135219	.292	.708	5.009
PERCENT	0	0	34	25	18	12	8	2	1	100				
CEILING	34	34	34	27	18	12	7	2	1	0				

Attachment 3 to Appendix J
ACOL/GORGO Interface Programs

Attachment 3a(1) to Appendix J
LOSSE EXEC

```
#57
&CONTROL OFF NOMSG
&MODE = A
-AGAIN &CONTINUE
&NMBR = 0
&FLAG = 0
*TYPE FILENAME AND FILETYPE PASSED FROM DODLINK EXEC...
&FNAME   = &1
&FTYPE   = &2
&DMDCTYP = &3
&SPACE 2
*** BUILD FORCE GRADE TABLE FILE NAME ***
-RUNDOD &CONTINUE
&SERVICE = &SUBSTR &FNAME 1 1
&FORCE   = &SUBSTR &FNAME 2 1
&CMPNT   = &SUBSTR &FNAME 3 1
&OCCODE  = &SUBSTR &FNAME 4 2
&TAIL    = &SUBSTR &FNAME 6 3
&RECS = 685
&REC = &RECS - 1
&IF &SERVICE EQ D &IF &OCCODE EQ 04 &GOTO -DOD
&NMBR = &OCCODE
&IF &SERVICE EQ D &IF &OCCODE EQ 01 &GOTO -AGGREGATE
-GETOCCGRP &CONTINUE
&LOOP 1 &DOLOOP
&START = &START + &RECS
*--------EXTRACT OCC GROUP DATA FROM SPECIFIED SERVICE FORMAT 3--------
 COPY &FNAME &FTYPE &MODE TEMPRY DATAFILE A (FR &START FOR &RECS
-RUNIT &CONTINUE
&FNAME1 = &CONCAT &SERVICE &FORCE &CMPNT LRATE
 FILEDEF 04 DISK DMDCRATE &DMDCTYP A (LRECL 80 RECFM FB BLKSIZE 8000 DISP MOD
 FILEDEF 10 DISK TEMPRY  DATAFILE A
 LOSSMODE
 ERASE TEMPRY DATAFILE A
&TYPE FILE &FNAME1 &FTYPE HAS BEEN WRITTEN TO FILE DMDCRATE &DMDCTYP
&IF &FLAG EQ 1 &GOTO -DONE
&IF &NMBR LT &OCCODE &GOTO -DOD
&SPACE 2
&FNAME = &CONCAT D &FORCE &CMPNT 01 &TAIL
&TYPE DONE WITH THE &NMBR SERVICES, GETTING &FNAME &FTYPE FILE.
&FLAG = 1
&GOTO -RUNDOD
-AGGREGATE &CONTINUE
COPYFILE &FNAME &FTYPE &MODE TEMPRY DATAFILE A
&GOTO -RUNIT
-DOD &CONTINUE
&NMBR = &NMBR + 1
&DOLOOP = &NMBR
&IF &DOLOOP = 1 &SERVICE = A
&IF &DOLOOP = 2 &SERVICE = N
&IF &DOLOOP = 3 &SERVICE = M
&IF &DOLOOP = 4 &SERVICE = F
&START = -&REC
&GOTO -GETOCCGRP
-DONE &EXIT
```

Attachment 3a(2) to Appendix J
LOSSO EXEC

```
#57
*****************************************************************************
* THE EXECS DODLINK AND LOSSO REQUIRE ACCESS TO THE FOLLOWING FILES *
* TO MAKE THE YEAR OF SERVICE CONVERSION. THE FILE DEFINITIONS      *
* PRESENTLY SPECIFY THAT THE RESIDE ON THE USER'S A-DISK BUT THIS   *
* CAN BE CHANGED AS REQUIRED.                                       *
*                                                                   *
* DMDCARMY COMRATE A (LRECL 245                                     *
* DMDCNAVY COMRATE A (LRECL 245                                     *
* DMDCUSMC COMRATE A (LRECL 245                                     *
* DMDCUSAF COMRATE A (LRECL 245                                     *
* DMDCDOD  COMRATE A (LRECL 245                                     *
*****************************************************************************
&CONTROL OFF NOMSG
&MODE = A
-AGAIN &CONTINUE
&NMBR = 0
&FLAG = 0
*** FILENAME AND FILETYPE PASSED FROM DODLINK EXEC ***
&FNAME   = &1
&FTYPE   = &2
&DMDCTYP = &3
-RUNDOD &CONTINUE
*** BUILD FORCE GRADE TABLE FILE NAME ***
&SERVICE = &SUBSTR &FNAME 1 1
&FORCE   = &SUBSTR &FNAME 2 1
&CMPNT   = &SUBSTR &FNAME 3 1
&OCCODE  = &SUBSTR &FNAME 4 2
&TAIL    = &SUBSTR &FNAME 6 3
&IF &SERVICE EQ A &SRVFILE = 1
&IF &SERVICE EQ N &SRVFILE = 2
&IF &SERVICE EQ M &SRVFILE = 3
&IF &SERVICE EQ F &SRVFILE = 4
&IF &SERVICE EQ D &SRVFILE = 5
&RECS = 457
&REC = &RECS - 1
&IF &SRVFILE EQ 5 &IF &OCCODE EQ 04 &GOTO -DOD
&NMBR = &OCCODE
&IF &SRVFILE EQ 5 &IF &OCCODE EQ 01 &GOTO -AGGREGATE
*-------EXTRACT OCC GROUP DATA FROM SPECIFIED SERVICE FORMAT 3--------
-GETOCCGRP &CONTINUE
&LOOP 1 &DOLOOP
&START = &START + &RECS
 COPY &FNAME &FTYPE &MODE TEMPRY DATAFILE A (FR &START FOR &RECS
-RUNIT &CONTINUE
&FNAME1 = &CONCAT &SERVICE &FORCE &CMPNT LRATE
*****************************************************************************
 FILEDEF 04 DISK DMDCRATE &DMDCTYP A (LRECL 80 RECFM FB BLKSIZE 8000 DISP MOD
 FILEDEF 05 TERMINAL
 FILEDEF 06 TERMINAL
 FILEDEF 10 DISK TEMPRY   DATAFILE A
 FILEDEF 31 DISK DMDCARMY COMRATE  A (RECFM FB LRECL 245 BLKSIZE 2450
 FILEDEF 32 DISK DMDCNAVY COMRATE  A (RECFM FB LRECL 245 BLKSIZE 2450
```

```
 FILEDEF 33 DISK DMDCUSMC COMRATE  A (RECFM FB LRECL 245 BLKSIZE 2450
 FILEDEF 34 DISK DMDCUSAF  OMRATE  A (RECFM FB LRECL 245 BLKSIZE 2450
 FILEDEF 35 DISK DMDCDOD   COMRATE  A (RECFM FB LRECL 245 BLKSIZE 2450
*************************************************************************
&STACK &SRVFILE
 LOSSMODO
 ERASE TEMPRY DATAFILE A
&TYPE FILE &FNAME1 &FTYPE HAS BEEN WRITTEN TO FILE DMDCRATE &DMDCTYP
&IF &FLAG EQ 1 &GOTO -DONE
&IF &NMBR LT &OCCODE &GOTO -DOD
&SPACE 2
&FNAME = &CONCAT D &FORCE &CMPNT 01 &TAIL
&TYPE DONE WITH THE &NMBR SERVICES, GETTING &FNAME   &FTYPE   FILE.
&FLAG = 1
&GOTO -RUNDOD
-AGGREGATE &CONTINUE
COPYFILE &FNAME &FTYPE &MODE TEMPRY DATAFILE A
&GOTO -RUNIT
-DOD &CONTINUE
&NMBR = &NMBR + 1
&DOLOOP = &NMBR
&IF &DOLOOP = 1 &SERVICE = A
&IF &DOLOOP = 2 &SERVICE = N
&IF &DOLOOP = 3 &SERVICE = M
&IF &DOLOOP = 4 &SERVICE = F
&START = -&REC
&GOTO -GETOCCGRP
-DONE &EXIT
```

Attachment 3b(1) to Appendix J
AGGRGATE Program Listing

```
                C+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++C  AGG00010
                C                ** CREATE AGGREGATE FORMAT 3 **                                C  AGG00020
                C                          BY SERVICE                                           C  AGG00030
                C PROGRAM TO READ FORMAT 3 DATA BY OCCGRP, CONVERT THE LOSS RATES              C  AGG00040
                C INTO STRENGTHS, ADD THE STRENGTHS BY GRADE FOR EACH OCCGRP, AND              C  AGG00050
                C THEN COMPUTE AN AGGRGATE FORMAT 3 LOSS RATE TABLE BY GRADE.                  C  AGG00060
                C      I = LENGTH OF SERVICE                                                   C  AGG00070
                C      J = FORMAT 3 COLUMN NUMBER                                              C  AGG00080
                C      K = PAY GRADE                                                           C  AGG00090
                C      L = OCCUPATIONAL GROUP                                                  C  AGG00100
                C *NOTE:                                                                       C  AGG00110
                C  THIS VERSION HAS BEEN MODIFIED TO BE RUN WITH THE DOCLINK EXEC              C  AGG00120
                C  WHICH INVOKES THE AGGMOD1 MODULE.                                           C  AGG00130
                C                                                                              C  AGG00140
                C VERSION: 1.1        BY: R. SCHREIBER          DATE: 19SEP83                C  AGG00150
                C+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++C  AGG00160
0001                  INTEGER OCCODE,OCCGRP,OUTPUT                                             AGG00170
0002                  DIMENSION FILE(35,18,9), SUM(35,18,9)                                    AGG00180
0003                  DIMENSION TITLE1(65), TITLE2(65), LABEL1(130), LABEL2(189),T1(8)          AGG00190
0004                  DATA SUM/5670*0.0/                                                       AGG00200
0005                  KOUNT = 0                                                                AGG00210
0006                  INFILE = 20                                                              AGG00220
0007                  OUTPUT = 22                                                              AGG00230
                C---- READ TITLE FROM THE TERMINAL                                           AGG00240
0008                  READ(5,1005) T1                                                          AGG00250
0009                1005 FORMAT(8A1)                                                           AGG00260
                C                                                                              AGG00270
                C---  READ NUMBER OF OCCUPATIONAL GROUPS, GRADES FROM TERMINAL STACK-----      AGG00280
                C                                                                              AGG00290
0010                  READ (5,*) OCCODE,NGRADE                                                 AGG00300
0011                  DO 400 L = 1,OCCODE                                                      AGG00310
0012                     READ (INFILE,1050) TITLE1                                             AGG00320
0013                     KOUNT = KOUNT + 1                                                     AGG00330
                C                                                                              AGG00340
                C-----READ THE DATA FROM THE FILE, PROCESS A GRADE AT A TIME-----------      AGG00350
                C                                                                              AGG00360
0014                     DO 300 K = 1,NGRADE                                                   AGG00370
0015                        READ (INFILE,1050) TITLE2                                          AGG00380
0016                        READ (INFILE,3000) LABEL1                                          AGG00390
0017                        KOUNT = KOUNT + 3                                                  AGG00400
0018                        DO 100 I = 1,35                                                    AGG00410
0019                           READ (INFILE,1100) (FILE(I,J,K), J = 1,9)                       AGG00420
0020                           KOUNT = KOUNT + 1                                               AGG00430
0021                           DO 75 J = 1,6                                                   AGG00440
0022                              IF(J .EQ. 5) GO TO 75                                        AGG00450
0023                              SUM(I,J,K) = SUM(I,J,K) + FILE(I,J,K)                        AGG00460
0024                     75       CONTINUE                                                    AGG00470
0025                              DO 85 J = 5,9                                                AGG00480
```

```
0026                              IF(J .EQ. 6) GO TO 85                                                AGG00490
0027                              SUM(I,J,K) = SUM(I,J,K) + (FILE(I,J,K) * FILE(I,1,K))               AGG00500
0028                 85        CONTINUE                                                              AGG00510
0029                100      CONTINUE                                                                AGG00520
0030                         READ (INFILE,3100) LABEL2                                               AGG00530
0031                         KOUNT = KOUNT + 3                                                       AGG00540
0032                         DO 200 I = 1,35                                                         AGG00550
0033                            READ (INFILE,1200)  (FILE(I,J,K),J = 10,18)                          AGG00560
0034                            KOUNT = KOUNT + 1                                                    AGG00570
0035                            DO 150 J = 10,18                                                     AGG00580
0036                               SUM(I,J,K) = SUM(I,J,K) + (FILE(I,J,K) * FILE(I,1,K))             AGG00590
0037                150         CONTINUE                                                             AGG00600
0038                200      CONTINUE                                                                AGG00610
0039                300    CONTINUE                                                                  AGG00620
0040                400 CONTINUE                                                                     AGG00630
                  C                                                                                 AGG00640
                  C---- CREATE NEW FORMAT 3 LOSS RATE TABLE (LOSS STREN / LOS MANPWR)               AGG00650
                  C                                                                                 AGG00660
0041                    DO 500 K = 1,NGRADE                                                         AGG00670
0042                       DO 475 I = 1,35                                                          AGG00680
0043                          DO 425 J = 1,6                                                        AGG00690
0044                             IF(J .EQ. 5) GO TO 425                                             AGG00700
0045                             FILE(I,J,K) = SUM(I,J,K)                                           AGG00710
0046                425       CONTINUE                                                             AGG00720
0047                          DO 450 J = 5,18                                                       AGG00730
0048                             IF((J .EQ. 6) .OR. (SUM(I,1,K) .LT. 1.0)) GO TO 450                AGG00740
0049                             FILE(I,J,K) = SUM(I,J,K) / SUM(I,1,K)                              AGG00750
0050                450       CONTINUE                                                             AGG00760
0051                475    CONTINUE                                                                AGG00770
0052                500 CONTINUE                                                                    AGG00780
                  C                                                                                 AGG00790
                  C---- WRITE THE NEW FORMAT 3 TO DISK ----------------------------------------------AGG00800
                  C                                                                                 AGG00810
0053                    WRITE(OUTPUT,1006) T1,(TITLE1(N),N = 9,26)                                  AGG00820
0054                    DO 600 K = 1,NGRADE                                                         AGG00830
0055                       WRITE(OUTPUT,2000) T1, (TITLE1(N),N = 9,26),K                            AGG00840
0056                       WRITE(OUTPUT,3000) (LABEL1(N),N = 1,65)                                  AGG00850
0057                       WRITE(OUTPUT,3000) (LABEL1(N),N = 66,130)                                AGG00860
0058                       DO 550 I = 1,35                                                          AGG00870
0059                          WRITE(OUTPUT,2100) I,(FILE(I,J,K),J = 1,9)                            AGG00880
0060                550    CONTINUE                                                                AGG00890
0061                       WRITE(OUTPUT,3100) (LABEL2(N),N = 1,63)                                  AGG00900
0062                       WRITE(OUTPUT,3100) (LABEL2(N),N = 64,126)                                AGG00910
0063                       WRITE(OUTPUT,3100) (LABEL2(N),N = 127,189)                               AGG00920
0064                       DO 575 I = 1,35                                                          AGG00930
0065                          WRITE(OUTPUT,2200) I, (FILE(I,J,K),J = 10,18)                         AGG00940
0066                575    CONTINUE                                                                AGG00950
0067                600 CONTINUE                                                                    AGG00960
```

```
                C     CALL DISPCL                                                    AGG00970
                C     WRITE(5,5000) KOUNT                                            AGG00980
                C                                                                    AGG00990
                C---- READ FORMAT STATEMENTS ------------------------------------- AGG01000
                C                                                                    AGG01010
0068             1006 FORMAT(8A1,2X,18A1)                                           AGG01020
0069             1050 FORMAT(65A1)                                                  AGG01030
0070             1100 FORMAT(2X,4F7.0,F7.4,F7.0,3F7.4)                              AGG01040
0071             1200 FORMAT(2X,9F7.4)                                              AGG01050
                C                                                                    AGG01060
                C---- WRITE FORMAT STATEMENTS ------------------------------------ AGG01070
                C                                                                    AGG01080
0072             2000 FORMAT(8A1,2X,18A1,'  PAY GRADE ',I1)                         AGG01090
0073             2100 FORMAT(I2,4F7.0,F7.4,F7.0,3F7.4)                              AGG01100
0074             2200 FORMAT(I2,9F7.4)                                              AGG01110
0075             3000 FORMAT(65A1)                                                  AGG01120
0076             3100 FORMAT(2X,63A1)                                               AGG01130
0077             5000 FORMAT(1X,I6,' RECORDS HAVE BEEN READ.')                      AGG01140
0078              999 STOP                                                          AGG01150
0079                  END                                                           AGG01160
```

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	12C	LDFIO#	130						

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
KOUNT	134	INFILE	138	OUTPUT	13C	OCCODE	140	NGRADE	144
L	148	K	14C	I	150	J	154	N	158

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	15C	SUM	59F4	TITLE1	B28C	TITLE2	B390	LABEL1	B494
LABEL2	B69C	T1	B990						

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
1005	B9B0	1006	B9BA	1050	B9C6	1100	B9CC	1200	B9E0
2000	B9E9	2100	BA05	2200	BA19	3000	BA22	3100	BA28
5000	BA30								

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
00B80C	5		00BB18	6		00BB20	7	
00BB28	8		00BB48	10		00BB6C	11	
00BB74	12		00BB94	13		00BBA4	14	
00BBBC	15		00BBDC	16		00BBFC	17	
00BC0C	18		00BC1C	19		00BC6C	20	
00BC7C	21		00BC8A	22		00BC9C	23	
00BCA8	24	75	00BCC4	25		00BCD6	26	
00BCE8	27		00BCF8	28	85	00BD14	29	100
00BD34	30		00BD54	31		00BD64	32	
00BD74	33		00BD84	34		00BDD4	35	
00BDE2	36		00BDF2	37	150	00BE0E	38	200
00BE2E	39	300	00BE5E	40	400	00BE72	41	
00BE86	42		00BE9A	43		00BEAC	44	
00BEBE	45		00BEC6	46	425	00BEE2	47	
00BEF4	48		00BF2A	49		00BF36	50	450
00BF52	51	475	00BF6E	52	500	00BF92	53	
00BFEC	54		00BFFC	55		00C05C	56	
00C0A4	57		00C0EC	58		00C0FA	59	
00C154	60	550	00C170	61		00C1B8	62	
00C200	63		00C248	64		00C256	65	
00C2B0	66	575	00C2CC	67	600	00C2E8	78	999

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = MAIN , LINECNT = 50
STATISTICS SOURCE STATEMENTS = 79,PROGRAM SIZE = 49910
STATISTICS NO DIAGNOSTICS GENERATED

Attachment 3b(2) to Appendix J
LOSSENL Program Listing

```
                C-------------------------------------------------------------------+LOS00010
                C     PROGRAM TO PRODUCE AN ARRAY OF LOSS CATEGORIES BY YOS.        +LOS00020
                C     SUBROUTINE READF3 READS IN THE FORMAT THREE LOSS RATES.       +LOS00030
                C     SUBROUTINE LOSSCAT FORMS THE LOSS ARRAY.                      +LOS00040
                C     SUBROUTINE DECRMT COMPUTES THE FORCE DECREMENT TABLE          +LOS00050
                C-------------------------------------------------------------------+LOS00060
0001                    DIMENSION TITLE1(65)                                        LOS00070
0002                    INTEGER LOSCAT(36,12),NEWMPR(35,18,10)                      LOS00080
0003                    REAL FILE(35,18,10)                                         LOS00090
0004                    COMMON /A/ FILE,TITLE1                                      LOS00100
0005                    COMMON /B/ LOSCAT                                           LOS00110
0006                    COMMON /C/ NEWMPR                                           LOS00120
                C---- CALL TO THE SUBROUTINES                                       LOS00130
0007                    CALL READF3(LAST)                                           LOS00140
0008                    CALL CONVRT(LAST)                                           LOS00150
0009                    WRITE(04,2030) TITLE1                                       LOS00160
0010             2030 FORMAT(65A1,/,'FORCE DECREMENT TABLE')                        LOS00170
0011                    CALL DECRMT                                                 LOS00180
                C---- WRITE FORCE GRADE TABLE                                       LOS00190
0012                    WRITE(04,2040) TITLE1                                       LOS00200
0013                    DO 300 I = 1,35                                             LOS00210
0014                       WRITE(04,2041) I, (NEWMPR(I,1,K),K = 1,9)                LOS00220
0015              300 CONTINUE                                                      LOS00230
0016             2040 FORMAT(65A1,/,'FORCE GRADE TABLE')                            LOS00240
0017             2041 FORMAT(I3,9I7)                                                LOS00250
0018                    STOP                                                        LOS00260
0019                    END                                                         LOS00270
```

COMMON BLOCK /A / MAP SIZE 6374

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	0	TITLE1	6270						

COMMON BLOCK /B / MAP SIZE 6C0

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
LOSCAT	0								

COMMON BLOCK /C / MAP SIZE 6270

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
NEWMPR	0								

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
READF3	A8	CONVRT	AC	IBCOM#	B0	DECRMT	B4		

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
LAST	C0	I	C4	K	C8				

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
2030	CC	2040	EA	2041	104				

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
000178	7		000182	8		00018C	9	
0001AC	11		000186	12		0001D8	13	
0001E4	14		000234	15	300	00024C	18	

```
 *OPTIONS IN EFFECT*  TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
 *OPTIONS IN EFFECT*  NAME = MAIN     , LINECNT =       50
 *STATISTICS*    SOURCE STATEMENTS =         19,PROGRAM SIZE =       602
 *STATISTICS*  NO DIAGNOSTICS GENERATED
```

```
                C---- END OF THE MAIN PROGRAM                                          LOS00280
                C-------------------------------------------------------------------+LOS00290
                C     SUBROUTINE READF3 READS THE FORMAT THREE DATA FILE              +LOS00300
                C-------------------------------------------------------------------+LOS00310
 0001                 SUBROUTINE READF3(LAST)                                        LOS00320
 0002                 DIMENSION TITLE1(65),TITLE2(65),LABEL1(130),LABEL2(189)        LOS00330
 0003                 INTEGER NEWMPR(35,18,10)                                       LOS00340
 0004                 REAL FILE(35,18,10)                                            LOS00350
 0005                 COMMON /A/ FILE,TITLE1                                         LOS00360
 0006                 COMMON /C/ NEWMPR                                              LOS00370
 0007                 INFILE = 10                                                    LOS00380
                C---- READ THE DATA FROM DDNAME 10                                  LOS00390
 0008                 READ(INFILE,1050,ERR=305) TITLE1                               LOS00400
 0009                 DO 300 K = 1,10                                                LOS00410
 0010                    READ(INFILE,1050,END=310) TITLE2                            LOS00420
 0011                    READ(INFILE,1050) LABEL1                                    LOS00430
 0012                    DO 100 I = 1,35                                             LOS00440
 0013                       READ(INFILE,1100) (FILE(I,J,K),J = 1,9)                  LOS00450
  100 0014            CONTINUE                                                       LOS00460
 0015                    READ(INFILE,1055) LABEL2                                    LOS00470
 0016                    DO 200 I = 1,35                                             LOS00480
 0017                       READ(INFILE,1200) (FILE(I,J,K),J = 10,18)                LOS00490
  200 0018               CONTINUE                                                    LOS00500
  300 0019            CONTINUE                                                       LOS00510
                C---- END OF FILE READ ROUTINE                                      LOS00520
  305 0020            WRITE(6,2000)                                                  LOS00530
 0021                 GO TO 9999                                                     LOS00540
  310 0022            LAST = K-1                                                     LOS00550
                C     WRITE(6,2010) LAST                                           LOS00560
                C---- CREATE FILE ARRAY OF LOSS STRENGTHS                          LOS00570
 0023                 DO 400 K = 1,LAST                                              LOS00580
 0024                 DO 400 I = 1,35                                                LOS00590
 0025                    NEWMPR(I,1,K) = INT(FILE(I,1,K))                            LOS00600
 0026                    NEWMPR(I,7,K) = INT((FILE(I,1,K) * FILE(I,7,K)) + 0.5)      LOS00610
 0027                    DO 400 J = 10,18                                            LOS00620
 0028                       NEWMPR(I,J,K) = INT((FILE(I,1,K) * FILE(I,J,K)) + 0.5)   LOS00630
  400 0029            CONTINUE                                                       LOS00640
 9999 0030            RETURN                                                         LOS00650
                C---- READ/WRITE FORMAT STATEMENTS                                  LOS00660
 1050 0031            FORMAT(65A1)                                                   LOS00670
 1055 0032            FORMAT(2X,63A1)                                                LOS00680
 1100 0033            FORMAT(2X,4F7.0,F7.4,F7.0,3F7.4)                               LOS00690
 1200 0034            FORMAT(2X,9F7.4)                                               LOS00700
 2000 0035            FORMAT(' DATA NOT READ, EXECUTION TERMINATED.')                LOS00710
 2010 0036            FORMAT(' DATA HAS BEEN READ FOR ',I2,' GRADES.')               LOS00720
 0037                 END                                                            LOS00730
```

COMMON BLOCK /A / MAP SIZE 6374

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	0	TITLE1	6270						

COMMON BLOCK /C / MAP SIZE 6270

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
NEWHPR	0								

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	D4								

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
INFILE	E4	K	E8	I	EC	J	F0	LAST	F4

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
TITLE2	F8	LABEL1	1FC	LABEL2	404				

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
1050	6F8	1055	6FE	1100	706	1200	71A	2000	723
2010	74C								

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
00081C	1		00081C	7		000824	8	
000848	9		000854	10		000878	11	
000898	12		0008A2	13		0008EC	14	100
000904	15		000924	16		00092E	17	
000978	18	200	000990	19	300	0009A8	20	305
0009BC	21		0009C2	22	310	0909CE	23	
0009E6	24		0009F6	25		000A16	26	
000A40	27		000A4C	28		000A76	29	400
000ADA	30	9999	000AE2	37				

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = READF3 , LINECNT = 50
STATISTICS SOURCE STATEMENTS = 37,PROGRAM SIZE = 2794
STATISTICS NO DIAGNOSTICS GENERATED

```
                C-------------------------------------------------------------------+LOS00740
                C     SUBROUTINE CONVRT CONVERTS THE LOSS RATE DATA OF THE          +LOS00750
                C     FORMAT THREE INTO LOSS STRENGTH BY CATEGORY OVER ALL GRADES.  +LOS00760
                C-------------------------------------------------------------------+LOS00770
0001                  SUBROUTINE CONVRT(LAST)                                        LOS00780
0002                  INTEGER LOSCAT(36,12),NEWMPR(35,18,10)                         LOS00790
0003                  COMMON /B/ LOSCAT                                              LOS00800
0004                  COMMON /C/ NEWMPR                                              LOS00810
                C---- MOVE NDIS < 20 YOS TO 20 YOS                                   LOS00820
0005                  DO 100 K = 1,LAST                                              LOS00830
0006                  DO 100 I = 1,19                                                LOS00840
0007                     NDIS = 0                                                    LOS00850
0008                     DO 80 J = 12,14                                             LOS00860
0009                        NDIS = NDIS + NEWMPR(I,J,K)                              LOS00870
0010                80    CONTINUE                                                   LOS00880
0011                     IF(NDIS .LT. 1) GO TO 100                                   LOS00890
0012                     NEWMPR(20,I,K) = NEWMPR(20,I,K) + NDIS                      LOS00900
0013                     NEWMPR(I,I,K)  = NEWMPR(I,I,K)  - NDIS                      LOS00910
0014                     DO 90 J = 12,14                                             LOS00920
0015                        NEWMPR(20,J,K) = NEWMPR(20,J,K) + NEWMPR(I,J,K)          LOS00930
0016                        NEWMPR(I,J,K)  = 0                                       LOS00940
0017                90    CONTINUE                                                   LOS00950
0018               100 CONTINUE                                                     LOS00960
                C---- CONVERT RATES TO STRENGTHS                                    LOS00970
0019                  DO 200 K = 1,LAST                                              LOS00980
0020                     DO 200 I = 1,35                                             LOS00990
0021                        DO 150 J = 3,11                                          LOS01000
0022                           LOSCAT(I,J) = LOSCAT(I,J) + NEWMPR(I,J+7,K)           LOS01010
0023               150       CONTINUE                                               LOS01020
0024                        LOSCAT(I,1) = LOSCAT(I,1) + NEWMPR(I,1,K)                LOS01030
0025                        LOSCAT(I,2) = LOSCAT(I,2) + NEWMPR(I,7,K)                LOS01040
0026               200 CONTINUE                                                     LOS01050
                C---- SUM LOSSES BY YOS                                            LOS01060
0027                  DO 300 I = 1,35                                                LOS01070
0028                     DO 300 J = 2,11                                             LOS01080
0029                        LOSCAT(I,12) = LOSCAT(I,12) + LOSCAT(I,J)                LOS01090
0030               300 CONTINUE                                                     LOS01100
                C---- SUM LOSSES BY CATEGORY                                       LOS01110
0031                  DO 400 I = 1,35                                                LOS01120
0032                     DO 400 J = 1,12                                             LOS01130
0033                        LOSCAT(36,J) = LOSCAT(36,J) + LOSCAT(I,J)                LOS01140
0034               400 CONTINUE                                                     LOS01150
0035                  RETURN                                                         LOS01160
0036                  END                                                            LOS01170
```

COMMON BLOCK /B / MAP SIZE 6C0

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
LOSCAT	0								

COMMON BLOCK /C / MAP SIZE 6270

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
NEWMPR	0								

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
K	D0	LAST	D4	I	D8	NDIS	DC	J	E0

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
000194	1		000194	5		0001A0	6	
0001AE	7		0001B6	8		0001C0	9	
0001CC	10	80	0001E4	11		0001F2	12	
0001FE	13		00020A	14		000214	15	
000220	16		000228	17	90	000240	18	100
000274	19		000284	20		000294	21	
0002A0	22		0002AC	23	150	0002C8	24	
0002DC	25		0002E8	26	200	000324	27	
000330	28		00033A	29		000346	30	300
000376	31		000386	32		000390	33	
00039C	34	400	0003D0	35				

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = CONVRT , LINECNT = 50
STATISTICS SOURCE STATEMENTS = 36,PROGRAM SIZE = 984
STATISTICS NO DIAGNOSTICS GENERATED

```
                C-------------------------------------------------------------------+LOS01160
                C     SUBROUTINE DECRMT COMPUTES THE FORCE DECREMENT RATES           +LOS01190
                C-------------------------------------------------------------------+LOS01200
0001                  SUBROUTINE DECRMT                                              LOS01210
0002                  INTEGER LOSCAT(36,12),RNDIS(35),WDRWL(35)                      LOS01220
0003                  REAL RATE(35,6),DENOM(35)                                      LOS01230
0004                  COMMON /B/ LOSCAT                                              LOS01240
0005                  DATA RNDIS,WDRWL/70*0/,DENOM/35*0.0/,RATE/210*0.0/             LOS01250
                C---- COMPUTE THE DECREMENT RATES                                    LOS01260
0006                  DO 100 I = 1,35                                                LOS01270
0007                     IF(LOSCAT(I,1) .EQ. 0) GO TO 100                            LOS01280
0008                     DO 10 J = 5,7                                               LOS01290
0009                        RNDIS(I) = RNDIS(I) + LOSCAT(I,J)                        LOS01300
0010                10    CONTINUE                                                    LOS01310
0011                     DO 20 J = 9,11                                              LOS01320
0012                        WDRWL(I) = WDRWL(I) + LOSCAT(I,J)                        LOS01330
0013                20    CONTINUE                                                    LOS01340
0014                     DENOM(I) = FLOAT(LOSCAT(I,1)) -                             LOS01350
                       +                (FLOAT(RNDIS(I) + WDRWL(I)) * 0.5)          LOS01360
0015                     DO 30 J = 1,3                                               LOS01370
0016                        RATE(I,J) =FLOAT(LOSCAT(I,J+1)) / DENOM(I)               LOS01380
0017                30    CONTINUE                                                    LOS01390
0018                     RATE(I,4) = FLOAT(RNDIS(I)) / FLOAT(LOSCAT(I,1))            LOS01400
0019                     RATE(I,5) = FLOAT(LOSCAT(I,8)) / DENOM(I)                   LOS01410
0020                     RATE(I,6) = FLOAT(WDRWL(I)) / FLOAT(LOSCAT(I,1))            LOS01420
0021              100 CONTINUE                                                       LOS01430
                C---- WRITE OUT LOSSES AND DECREMENT RATES BY CATEGORY              LOS01440
0022                  DO 200 I = 1,35                                                LOS01450
0023                     WRITE(04,1010) I,(RATE(I,J), J = 1,6)                       LOS01460
0024              200 CONTINUE                                                       LOS01470
0025             1010 FORMAT(I3,6F7.4)                                               LOS01480
0026                  RETURN                                                         LOS01490
0027                  END                                                            LOS01500
```

COMMON BLOCK /B / MAP SIZE 6C0

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
LOSCAT	0								

SUBPPOGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
!BCOM#	B8								

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
I	DC	J	E0						

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
RNDIS	E4	WDRWL	170	RATE	1FC	DENOM	544		

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
1010	5D0								

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
00066E	1		00066E	6		00067E	7	
000690	8		00069A	9		0006A6	10	10
0006BE	11		0006C8	12		0006D4	13	20
000[illegible]C	14		000738	15		000744	16	
00[illegible]8	17	30	000784	18		0007C6	19	
0007EA	20		00082C	21	100	000848	22	
000854	23		0008A4	24	200	0008BC	26	

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = DECRMT LINECNT = 50
STATISTICS SOURCE STATEMENTS = 27,PROGRAM SIZE = 2244
STATISTICS NO DIAGNOSTICS GENERATED

```
                C-------------------------------------------------------------------+LOS01510
                C     BLOCK DATA SUBROUTINE TO INITIALIZE ARRAYS                    +LOS01520
                C-------------------------------------------------------------------+LOS01530
0001                  BLOCK DATA                                                     LOS01540
0002                  COMMON /A/ FILE(35,18,10),TITLE1(65)                           LOS01550
0003                  COMMON /B/ LOSCAT(36,12)                                       LOS01560
0004                  COMMON /C/ NEWMPR(35,18,10)                                    LOS01570
0005                  DATA FILE/6300*0.0/,LOSCAT/432*0/,NEWMPR/6300*0/               LOS01580
0006                  END                                                            LOS01590
```

COMMON BLOCK /A / MAP SIZE 6374

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	0	TITLE1	6270						

COMMON BLOCK /B / MAP SIZE 6C0

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
LOSCAT	0								

COMMON BLOCK /C / MAP SIZE 6270

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
NEWMPR	0								

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = BLK DATA, LINECNT = 50
STATISTICS NO DIAGNOSTICS GENERATED

STATISTICS NO DIAGNOSTICS THIS STEP

Attachment 3b(3) to Appendix J
LOSSOFCR Program Listing

```
                C-------------------------------------------------------------------+LOS00010
                C     PROGRAM TO PRODUCE AN ARRAY OF LOSS CATEGORIES BY YOS.        +LOS00020
                C     SUBROUTINE READF3 READS IN THE FORMAT THREE LOSS RATES.       +LOS00030
                C     SUBROUTINE SHIFT CHANGES COMMISIONED YOS TO TOTAL FEDERAL YOS +LOS00040
                C     SUBROUTINE LOSSCAT FORMS THE LOSS ARRAY.                      +LOS00050
                C     SUBROUTINE DECRMT FORMS THE FORCE DECREMENT TABLE             +LOS00060
                C-------------------------------------------------------------------+LOS00070
0001                    DIMENSION TITLE1(65)                                        LOS00080
0002                    INTEGER LOSCAT(36,12),IFILE(35,18,6),NEWMPR(35,18,9),ISUM(35),TSUMLOS00090
0003                    REAL FILE(35,18,6)                                          LOS00100
0004                    COMMON /A/ FILE,TITLE1                                      LOS00110
0005                    COMMON /B/ LOSCAT                                           LOS00120
0006                    COMMON /C/ IFILE,NEWMPR                                     LOS00130
0007                    DATA ISUM/35*0/                                             LOS00140
                C---- CALL TO THE SUBROUTINES                                       LOS00150
0008                    CALL READF3(LAST)                                           LOS00160
0009                    CALL SHIFT(LAST)                                            LOS00170
0010                    CALL CONVRT(LAST)                                           LOS00180
                C---- BEGIN WRITING THE LOSS RATE FILE(REST WRITTEN IN DECRMT SUB)  LOS00190
0011                    WRITE(04,2030) TITLE1                                       LOS00200
0012                2030 FORMAT(65A1,/,'FORCE DECREMENT TABLE')                     LOS00210
0013                    CALL DECRMT                                                 LOS00220
                C---- WRITE FORCE GRADE TABLE                                       LOS00230
0014                    WRITE(04,2040) TITLE1                                       LOS00240
0015                    DO 300 I = 1,35                                             LOS00250
0016                       WRITE(04,2041) I, (NEWMPR(I,1,K),K = 1,9)                LOS00260
0017                 300 CONTINUE                                                   LOS00270
0018                2040 FORMAT(65A1,/,'FORCE GRADE TABLE')                         LOS00280
0019                2041 FORMAT(I3,9I7)                                             LOS00290
0020                    STOP                                                        LOS00300
                C---- END OF THE MAIN PROGRAM                                      LOS00310
0021                    END                                                         LOS00320
```

COMMON BLOCK /A / MAP SIZE 3C14

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	0	TITLE1	3B10						

COMMON BLOCK /B / MAP SIZE 6C0

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
LOSCAT	0								

COMMON BLOCK /C / MAP SIZE 93A8

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IFILE	0	NEWMPR	3B10						

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
READF3	AC	SHIFT	60	CONVRT	B4	IBCOM#	B8	DECRMT	BC

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
LAST	CC	I	D0	K	D4				

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
ISUM	D8								

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
2030	164	2040	182	2041	19C				

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
000210	8		00021A	9		000224	10	
00022E	11		000250	13		00025A	14	
00027C	15		000288	16		0002D8	17	300
0002F0	20							

```
 *OPTIONS IN EFFECT*  TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
 *OPTIONS IN EFFECT*  NAME = MAIN     , LINECNT =       50
 *STATISTICS*     SOURCE STATEMENTS =       21,PROGRAM SIZE =      766
 *STATISTICS*  NO DIAGNOSTICS GENERATED
```

```
                C-------------------------------------------------------------------+LOS00330
                C     SUBROUTINE READF3 READS THE FORMAT THREE DATA FILE            +LOS00340
                C-------------------------------------------------------------------+LOS00350
0001                    SUBROUTINE READF3(LAST)                                      LOS00360
0002                    DIMENSION TITLE1(65),TITLE2(65),LABEL1(130),LABEL2(189)      LOS00370
0003                    INTEGER IFILE(35,18,6),NEWMPR(35,18,6)                       LOS00380
0004                    REAL FILE(35,18,6)                                           LOS00390
0005                    COMMON /A/ FILE,TITLE1                                       LOS00400
0006                    COMMON /C/ IFILE,NEWMPR                                      LOS00410
0007                    INFILE = 10                                                  LOS00420
                C---- READ THE DATA FROM DDNAME 10                                  LOS00430
0008                    READ(INFILE,1050,ERR=305) TITLE1                             LOS00440
0009                    DO 300 K = 1,10                                              LOS00450
0010                       READ(INFILE,1050,END=310) TITLE2                          LOS00460
0011                       READ(INFILE,1050) LABEL1                                  LOS00470
0012                       DO 100 I = 1,35                                           LOS00480
0013                          READ(INFILE,1100) (FILE(I,J,K),J = 1,9)                LOS00490
0014                 100 CONTINUE                                                    LOS00500
0015                       READ(INFILE,1055) LABEL2                                  LOS00510
0016                       DO 200 I = 1,35                                           LOS00520
0017                          READ(INFILE,1200) (FILE(I,J,K),J = 10,18)              LOS00530
0018                 200      CONTINUE                                             LOS00540
0019                 300 CONTINUE                                                    LOS00550
                C---- END OF FILE READ ROUTINE                                      LOS00560
0020                 305 WRITE(6,2000)                                              LOS00570
0021                    GO TO 9999                                                   LOS00580
0022                 310 LAST = K-1                                                 LOS00590
                C       WRITE(6,2010) LAST                                         LOS00600
                C---- CREATE FILE ARRAY OF LOSS STRENGTHS                          LOS00610
0023                    DO 400 K = 1,LAST                                          LOS00620
0024                    DO 400 I = 1,35                                            LOS00630
0025                       IFILE(I,1,K) = INT(FILE(I,1,K))                         LOS00640
0026                       IFILE(I,7,K) = INT((FILE(I,1,K) * FILE(I,7,K)) + 0.5)   LOS00650
0027                       DO 400 J = 10,18                                        LOS00660
0028                          IFILE(I,J,K) = INT((FILE(I,1,K) * FILE(I,J,K)) + 0.5)LOS00670
0029                 400 CONTINUE                                                   LOS00680
0030                9999 RETURN                                                     LOS00690
                C---- READ/WRITE FORMAT STATEMENTS                                 LOS00700
0031                1050 FORMAT(65A1)                                              LOS00710
0032                1055 FORMAT(2X,63A1)                                           LOS00720
0033                1100 FORMAT(2X,4F7.0,F7.4,F7.0,3F7.4)                          LOS00730
0034                1200 FORMAT(2X,9F7.4)                                          LOS00740
0035                2000 FORMAT(' DATA NOT READ, EXECUTION TERMINATED.')           LOS00750
0036                2010 FORMAT(' DATA HAS BEEN READ FOR ',I2,' GRADES.')          LOS00760
0037                    END                                                        LOS00770
```

COMMON BLOCK /A / MAP SIZE 3C14

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	0	TITLE1	3B10						

COMMON BLOCK /C / MAP SIZE 7620

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IFILE	0	NEWMPR	3B10						

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
!BCOM#	D8								

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
INFILE	E8	K	EC	I	F0	J	F4	LAST	F8

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
TITLE2	FC	LABEL1	200	LABEL2	408				

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
1050	6FC	1055	702	1100	70A	1200	71E	2000	727
2010	750								

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
00081C	1		00081C	7		000824	8	
000848	9		000854	10		000878	11	
000898	12		0008A2	13		0008EC	14	100
000904	15		000924	16		00092E	17	
000978	18	200	000990	19	300	0009A8	20	305
0009BC	21		0009C2	22	310	0009CE	23	
0009E6	24		0009F6	25		000A16	26	
000A40	27		000A4C	28		000A76	29	400
000ADA	30	9999	000AE2	37				

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = READF3 , LINECNT = 50
STATISTICS SOURCE STATEMENTS = 37,PROGRAM SIZE = 2794
STATISTICS NO DIAGNOSTICS GENERATED

```
                C-----------------------------------------------------------------+LOS00780
                C     SUBROUTINE SHIFT CHANGES COMMISSIONED YOS STRENGTH          +LOS00790
                C     TO TOTAL FEDERAL SERVICE YOS STRENGTH.                      +LOS00800
                C-----------------------------------------------------------------+LOS00810
                C                                                                  LOS00820
0001                  SUBROUTINE SHIFT(LAST)                                       LOS00830
0002                  INTEGER IFILE(35,18,6),NEWMPR(35,18,6)                       LOS00840
0003                  REAL ARRAY(35,35,6)                                          LOS00850
0004                  COMMON /C/ IFILE,NEWMPR                                      LOS00860
0005                  DATA ARRAY/7350*0.0/                                         LOS00870
0006                  READ(05,*) INFILE                                            LOS00880
0007                  INFILE = INFILE + 30                                         LOS00890
                C---- READ IN DATA ARRAY OF YOS RATES                             LOS00900
0008                  DO 100 K = 1,LAST                                            LOS00910
0009                  DO 100 I = 1,35                                              LOS00920
0010                     READ(INFILE,101) (ARRAY(I,J,K),J = 1,35)                  LOS00930
0011                100 CONTINUE                                                   LOS00940
0012                101 FORMAT(35F7.4)                                             LOS00950
                C---- CREATE NEW STRENGTH BY TOTAL FEDERAL SERVICE                 LOS00960
0013                  DO 200 K = 1,LAST                                            LOS00970
0014                  DO 200 I = 1,35                                              LOS00980
0015                     DO 200 II = 1,35                                          LOS00990
0016                     DO 200 J  = 1,18                                          LOS01000
0017                        NEWMPR(II,J,K) = NEWMPR(II,J,K) +                      LOS01010
                   +        INT((FLOAT(IFILE(I,J,K)) * ARRAY(I,II,K)) + 0.5)      LOS01020
0018                200 CONTINUE                                                   LOS01030
                C---- MOVE NDIS < 20 YOS TO 20 YOS                                LOS01040
0019                  DO 300 K = 1,LAST                                            LOS01050
0020                  DO 300 I = 1,19                                              LOS01060
0021                     NDIS = 0                                                  LOS01070
0022                     DO 210 J = 12,14                                          LOS01080
0023                        NDIS = NDIS + NEWMPR(I,J,K)                            LOS01090
0024                210     CONTINUE                                               LOS01100
0025                     IF(NDIS .LT. 1) GO TO 300                                 LOS01110
0026                     NEWMPR(20,1,K) = NEWMPR(20,1,K) + NDIS                    LOS01120
0027                     NEWMPR(I,1,K)  = NEWMPR(I,1,K)  - NDIS                    LOS01130
0028                     DO 220 J = 12,14                                          LOS01140
0029                        NEWMPR(20,J,K) = NEWMPR(20,J,K) + NEWMPR(I,J,K)        LOS01150
0030                        NEWMPR(I,J,K)  = 0                                     LOS01160
0031                220     CONTINUE                                               LOS01170
0032                300 CONTINUE                                                   LOS01180
0033                    RETURN                                                     LOS01190
0034                    END                                                        LOS01200
```

COMMON BLOCK /C / MAP SIZE 7620

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IFILE	0	NEWMPR	3B10						

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	D4	LDFIO#	D8						

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
INFILE	E4	K	E8	LAST	EC	I	F0	J	F4
II	F8	NDIS	FC						

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
ARRAY	100								

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
101	73DC								

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
0074A8	1		0074A8	6		0074C4	7	
0074D4	8		0074E0	9		0074EE	10	
007540	11	100	007578	13		007594	14	
0075B4	15		0075C8	16		0075D6	17	
007620	18	200	0076BC	19		0076CC	20	
0076DE	21		0076EA	22		0076F4	23	
007700	24	210	00771C	25		00772E	26	
00773A	27		007746	28		007750	29	
00775C	30		007768	31	220	007780	32	300
0077BC	33							

```
 *OPTIONS IN EFFECT*  TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
 *OPTIONS IN EFFECT*  NAME = SHIFT    , LINECNT =       50
 *STATISTICS*     SOURCE STATEMENTS =       34,PROGRAM SIZE =     30660
 *STATISTICS*  NO DIAGNOSTICS GENERATED
```

```
                C-------------------------------------------------------------------+LOS01210
                C     SUBROUTINE CONVRT CONVERTS THE LOSS RATE DATA OF THE          +LOS01220
                C     FORMAT THREE INTO LOSS STRENGTH BY CATEGORY OVER ALL GRADES.  +LOS01230
                C-------------------------------------------------------------------+LOS01240
0001                  SUBROUTINE CONVRT(LAST)                                        LOS01250
0002                  DIMENSION TITLE1(65)                                           LOS01260
0003                  INTEGER LOSCAT(36,12),IFILE(35,18,6),NEWMPR(35,18,6)           LOS01270
0004                  REAL FILE(35,18,6)                                             LOS01280
0005                  COMMON /A/ FILE,TITLE1                                         LOS01290
0006                  COMMON /B/ LOSCAT                                              LOS01300
0007                  COMMON /C/ IFILE,NEWMPR                                        LOS01310
                C---- LOAD LOSS CATEGORY ARRAY                                      LOS01320
0008                  DO 200 K = 1,LAST                                              LOS01330
0009                     DO 200 I = 1,35                                             LOS01340
0010                        DO 100 J = 3,11                                          LOS01350
0011                           LOSCAT(I,J) = LOSCAT(I,J) + NEWMPR(I,J+7,K)           LOS01360
0012                  100      CONTINUE                                             LOS01370
0013                           LOSCAT(I,1) = LOSCAT(I,1) + NEWMPR(I,1,K)            LOS01380
0014                           LOSCAT(I,2) = LOSCAT(I,2) + NEWMPR(I,7,K)            LOS01390
0015                  200 CONTINUE                                                   LOS01400
                C---- SUM LOSSES BY YOS                                            LOS01410
0016                  DO 300 I = 1,35                                                LOS01420
0017                     DO 300 J = 2,11                                             LOS01430
0018                        LOSCAT(I,12) = LOSCAT(I,12) + LOSCAT(I,J)                LOS01440
0019                  300 CONTINUE                                                   LOS01450
                C---- SUM LOSSES BY CATEGORY                                       LOS01460
0020                  DO 400 I = 1,35                                                LOS01470
0021                     DO 400 J = 1,12                                             LOS01480
0022                        LOSCAT(36,J) = LOSCAT(36,J) + LOSCAT(I,J)                LOS01490
0023                  400 CONTINUE                                                   LOS01500
0024                  RETURN                                                         LOS01510
0025                  END                                                            LOS01520
```

COMMON BLOCK /A / MAP SIZE 3C14

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	0	TITLE1	3B10						

COMMON BLOCK /B / MAP SIZE 6C0

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
LOSCAT	0								

COMMON BLOCK /C / MAP SIZE 7620

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IFILE	0	NEWMPR	3B10						

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
K	C0	LAST	C4	I	C8	J	CC		

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
000178	1		000178	8		000188	9	
000198	10		0001A4	11		0001B0	12	100
0001CC	13		0001E0	14		0001EC	15	200
000228	16		000234	17		00023E	18	
00024A	19	300	00027A	20		00028A	21	
000294	22		0002A0	23	400	0002D4	24	

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = CONVRT , LINECNT = 50
STATISTICS SOURCE STATEMENTS = 25,PROGRAM SIZE = 732
STATISTICS NO DIAGNOSTICS GENERATED

```
                C-------------------------------------------------------------------+LOS01530
                C     SUBROUTINE DECRMT COMPUTES THE FORCE DECREMENT RATES          +LOS01540
                C-------------------------------------------------------------------+LOS01550
0001                  SUBROUTINE DECRMT                                              LOS01560
0002                  INTEGER LOSCAT(36,12),RNDIS(35),WDRWL(35)                      LOS01570
0003                  REAL RATE(35,6),DENOM(35)                                      LOS01580
0004                  COMMON /B/ LOSCAT                                              LOS01590
0005                  DATA RNDIS,WDRWL/70*0/,DENOM/35*0.0/,RATE/210*0.0/             LOS01600
                C---- COMPUTE THE DECREMENT RATES                                    LOS01610
0006                  DO 100 I = 1,35                                                LOS01620
0007                     IF(LOSCAT(I,1) .LE. 0) GO TO 100                            LOS01630
0008                     DO 10 J = 5,7                                               LOS01640
0009                        RNDIS(I) = RNDIS(I) + LOSCAT(I,J)                        LOS01650
0010                10   CONTINUE                                                    LOS01660
0011                     DO 20 J = 9,11                                              LOS01670
0012                        WDRWL(I) = WDRWL(I) + LOSCAT(I,J)                        LOS01680
0013                20   CONTINUE                                                    LOS01690
0014                     DENOM(I) = FLOAT(LOSCAT(I,1)) -                             LOS01700
                       +                (FLOAT(RNDIS(I) + WDRWL(I)) * 0.5)         LOS01710
0015                     DO 30 J = 1,3                                               LOS01720
0016                        RATE(I,J) =FLOAT(LOSCAT(I,J+1)) / DENOM(I)               LOS01730
0017                30   CONTINUE                                                    LOS01740
0018                     RATE(I,4) = FLOAT(RNDIS(I)) / FLOAT(LOSCAT(I,1))            LOS01750
0019                     RATE(I,5) = FLOAT(LOSCAT(I,8)) / DENOM(I)                   LOS01760
0020                     RATE(I,6) = FLOAT(WDRWL(I)) / FLOAT(LOSCAT(I,1))            LOS01770
0021              100 CONTINUE                                                       LOS01780
                C---- WRITE OUT LOSSES AND DECREMENT RATES BY CATEGORY              LOS01790
0022                  DO 200 I = 1,35                                                LOS01800
0023                     WRITE(04,1010) I,(RATE(I,J), J = 1,6)                       LOS01810
0024              200 CONTINUE                                                       LOS01820
0025             1010 FORMAT(I3,6F7.4)                                               LOS01830
0026                  RETURN                                                         LOS01840
0027                  END                                                            LOS01850
```

COMMON BLOCK /B / MAP SIZE 6C0

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
LOSCAT	0								

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	B8								

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
I	DC	J	E0						

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
RNDIS	E4	WDRWL	170	RATE	1FC	DENOM	544		

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
1010	5D0								

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
00066E	1		00066E	6		00067E	7	
000690	8		00069A	9		0006A6	10	10
0006BE	11		0006C8	12		0006D4	13	20
0006EC	14		000738	15		000744	16	
000768	17	30	000784	18		0007C6	19	
0007EA	20		00082C	21	100	000848	22	
000854	23		0008A4	24	200	0008BC	26	

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = DECRMT , LINECNT = 50
STATISTICS SOURCE STATEMENTS = 27,PROGRAM SIZE = 2244
STATISTICS NO DIAGNOSTICS GENERATED

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FORTRAN IV G1  RELEASE 2.0            MAIN            DATE = 84004        18/28/27            PAGE 0001

                      C-------------------------------------------------------------------------+LOS01860
                      C     BLOCK DATA SUBROUTINE TO INITIALIZE ARRAYS                         +LOS01870
                      C-------------------------------------------------------------------------+LOS01880
0001                        BLOCK DATA                                                          LOS01890
0002                        INTEGER IFILE(35,18,6),NEWMPR(35,18,9)                              LOS01900
0003                        COMMON /A/ FILE(35,18,6),TITLE1(65)                                 LOS01910
0004                        COMMON /B/ LOSCAT(36,12)                                            LOS01920
0005                        COMMON /C/ IFILE,NEWMPR                                             LOS01930
0006                        DATA FILE/3780*0.0/,LOSCAT/432*0/,IFILE,NEWMPR/9450*0/              LOS01940
0007                        END                                                                 LOS01950
```

COMMON BLOCK /A / MAP SIZE 3C14

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	0	TITLET	3B10						

COMMON BLOCK /B / MAP SIZE 6C0

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
LOSCAT	0								

COMMON BLOCK /C / MAP SIZE 93A8

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IFILE	0	NEWMPR	3B10						

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = BLK DATA, LINECNT = 50
STATISTICS NO DIAGNOSTICS GENERATED

STATISTICS NO DIAGNOSTICS THIS STEP

Attachment 3b(3a) to Appendix J
COMRAT Table Example

PERCENT YEARS OF COMMISSIONED SERVICE BY YEARS OF TOTAL FEDERAL SERVICE

YOS	YEARS OF TOTAL FEDERAL SERVICE																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	0.9099	0.0332	0.0166	0.0137	0.0093	0.0043	0.0044	0.0030	0.0023	0.0019	0.0010	0.0003	0.0001	0.0	0.0	0.0	0.0	0.0
2	0.0	0.8475	0.0438	0.0307	0.0284	0.0171	0.0088	0.0084	0.0056	0.0044	0.0034	0.0013	0.0003	0.0002	0.0	0.0	0.0001	0.0
3	0.0	0.0	0.8887	0.0251	0.0269	0.0305	0.0126	0.0054	0.0054	0.0018	0.0	0.0018	0.0018	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.8236	0.0392	0.0392	0.0392	0.0196	0.0196	0.0196	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.6667	0.1111	0.1111	0.0	0.1111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.7500	0.0	0.0	0.2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.6667	0.0	0.0	0.0	0.3333	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4400	0.0	0.0	0.2800	0.2800	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7200	0.0	0.0	0.2800	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

YEARS OF SERVICE

NOTE: THIS IS AN EXAMPLE OF THE ARRAY USED BY THE LOSSOFCR FORTRAN PROGRAM IN THE GORGC INTERFACE PROGRAM THAT CONVERTS YEARS OF COMMISSIONED SERVICE TO YEARS OF TOTAL FEDERAL SERVICE FOR A SINGLE PAY GRADE.

Attachment 3b(3a) to Appendix J
GORGC Table Example

PERCENT YEARS OF COMMISSIONED SERVICE BY YEARS OF TOTAL FEDERAL SERVICE

YOS	YEARS OF TOTAL FEDERAL SERVICE																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	0.9099	0.0332	0.0166	0.0137	0.0093	0.0043	0.0044	0.0030	0.0023	0.0019	0.0010	0.0003	0.0001	0.0	0.0	0.0	0.0	0.0
2	0.0	0.8475	0.0438	0.0307	0.0284	0.0171	0.0088	0.0084	0.0056	0.0044	0.0034	0.0013	0.0003	0.0002	0.0	0.0	0.0001	0.0
3	0.0	0.0	0.8887	0.0251	0.0269	0.0305	0.0126	0.0054	0.0054	0.0018	0.0	0.0018	0.0018	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.8236	0.0392	0.0392	0.0392	0.0196	0.0196	0.0196	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.6667	0.1111	0.1111	0.0	0.1111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.7500	0.0	0.0	0.2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.6667	0.0	0.0	0.0	0.3333	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4400	0.0	0.0	0.2800	0.2800	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7200	0.0	0.0	0.2800	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0009	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0000
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NOTE: THIS IS AN EXAMPLE OF THE ARRAY USED BY THE LOSSOFCR FORTRAN PROGRAM IN THE GORGO INTERFACE PROGRAM THAT CONVERTS YEARS OF COMMISSIONED SERVICE TO YEARS OF TOTAL FEDERAL SERVICE FOR A SINGLE PAY GRADE.

Attachment 3b(3b) to Appendix J
Interface Program Output

EXAMPLE OF THE OUTPUT FORCE GRADE TABLE FROM THE ACOL/DMSM INTERFACE PROGRAM FOR EVENTUAL INPUT TO THE GORGO MODEL.

ARMY ENLISTED WRAPT12
FORCE GRADE TABLE

1	0	0	136671	0	0	0	0	0	0
2	0	0	66832	47085	0	0	0	0	0
3	0	0	20880	69629	4646	0	0	0	0
4	0	0	5493	27363	16419	0	0	0	0
5	0	0	0	12588	22570	0	0	0	0
6	0	0	0	5864	24365	738	0	0	0
7	0	0	0	3698	20026	2174	0	0	0
8	0	0	0	2350	12440	6855	53	0	0
9	0	0	0	1620	6215	10505	71	0	0
10	0	0	0	1279	3634	11167	210	0	0
11	0	0	0	0	2622	11787	458	0	0
12	0	0	0	0	2010	9681	2024	36	0
13	0	0	0	0	1627	7664	3462	56	0
14	0	0	0	0	1303	4991	5733	88	0
15	0	0	0	0	1163	3713	6588	156	0
16	0	0	0	0	1092	2861	69[illegible]	317	0
17	0	0	0	0	1039	2373	6873	667	12
18	0	0	0	0	1010	2176	6401	1198	16
19	0	0	0	0	993	2099	5308	2272	27
20	0	0	0	0	966	2037	4457	3079	49
21	0	0	0	0	480	978	1479	2321	76
22	0	0	0	0	0	545	480	1738	132
23	0	0	0	0	0	336	246	1057	213
24	0	0	0	0	0	0	161	614	420
25	0	0	0	0	0	0	121	387	538
26	0	0	0	0	0	0	88	242	485
27	0	0	0	0	0	0	0	99	300
28	0	0	0	0	0	0	0	64	285
29	0	0	0	0	0	0	0	51	273
30	0	0	0	0	0	0	0	38	203
31	0	0	0	0	0	0	0	0	28
32	0	0	0	0	0	0	0	0	5
33	0	0	0	0	0	0	0	0	1
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0

EXAMPLE OF THE OUTPUT FORCE DECREMENT TABLE FROM THE ACOL/DMSM INTERFACE PROGRAM FOR EVENTUAL INPUT TO THE GORGO MODEL.

ARMY ENLISTED WRAPT12
FORCE DECREMENT TABLE

1	0.0003	0.0008	0.0010	0.0	0.0063	0.1589
2	0.0019	0.0033	0.0027	0.0	0.0047	0.1532
3	0.0005	0.0052	0.0092	0.0	0.0049	0.4669
4	0.0008	0.0007	0.0019	0.0	0.0013	0.2824
5	0.0021	0.0009	0.0012	0.0	0.0005	0.1148
6	0.0034	0.0026	0.0041	0.0	0.0016	0.1529
7	0.0055	0.0014	0.0021	0.0	0.0010	0.1528
8	0.0053	0.0015	0.0045	0.0	0.0016	0.1396
9	0.0046	0.0017	0.0032	0.0	0.0015	0.1047
10	0.0049	0.0008	0.0015	0.0	0.0008	0.0798
11	0.0056	0.0024	0.0051	0.0	0.0006	0.0620
12	0.0071	0.0024	0.0031	0.0	0.0009	0.0552
13	0.0045	0.0012	0.0054	0.0	0.0002	0.0432
14	0.0079	0.0013	0.0044	0.0	0.0004	0.0268
15	0.0032	0.0012	0.0052	0.0	0.0003	0.0229
16	0.0030	0.0014	0.0048	0.0	0.0001	0.0153
17	0.0011	0.0018	0.0036	0.0	0.0006	0.0080
18	0.0003	0.0019	0.0022	0.0	0.0	0.0051
19	0.0001	0.0007	0.0030	0.0	0.0010	0.0055
20	0.0	0.0010	0.0180	0.4819	0.0	0.0
21	0.0	0.0007	0.0186	0.4469	0.0	0.0
22	0.0	0.0008	0.0171	0.3447	0.0	0.0
23	0.0	0.0032	0.0122	0.3121	0.0	0.0
24	0.0	0.0009	0.0062	0.1180	0.0	0.0
25	0.0	0.0	0.0107	0.2122	0.0	0.0
26	0.0	0.0246	0.0323	0.4049	0.0	0.0
27	0.0	0.0	0.0053	0.1128	0.0	0.0
28	0.0	0.0	0.0	0.0774	0.0	0.0
29	0.0	0.0	0.0071	0.2500	0.0	0.0
30	0.0	0.0072	0.0435	0.8548	0.0	0.0
31	0.0	0.0	0.0	0 8214	0.0	0.0
32	0.0	0.0	0.0	0.8000	0.0	0.0
33	0.0	0.0	0.0	1.0000	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0

Attachment 4 to Appendix J
Utility Programs

Attachment 4a to Appendix J
DODFG EXEC

```
#57
&CONTROL OFF NOMSG
&IF &$ EQ DEBUG &CONTROL ALL
 DISPCL
 EXEC CLRSTAK
 GLOBAL TXTLIB FORTMOD1
&IF &INDEX = 1 &IF &1 = ?    &GOTO -TELL
&IF &INDEX = 1 &IF &1 = HELP &GOTO -TELL
&GOTO -LINKUP
-TELL DISPCL
&BEGTYPE
+-------------------------------------------------------------+
+*DODFG EXEC OUTPUTS FORCE GRADE TABLES AND LOSS TABLES AS     +
+ INPUT DATA FILES TO THE ANNUALIZED COST OF LEAVING (ACOL)   +
+ MODEL.                                                      +
+                                                            +
+*A SELECTABLE OPTION IS TO OUTPUT NEW FLOW DYNAMIC FORMAT    +
+ THREES THAT HAVE MODIFIED RATES. USING THE NEW RATES IT     +
+ BUILDS A NEW FORCE PROFILE TO MEET THE SPECIFIED END STRENGTH.+
+                                                            +
+*THE EXEC RUNS THE FOLLOWING FORTRAN PROGRAMS THROUGH        +
+ THE ASSOCIATED PROGRAM MODULE:                             +
+       FORTRAN:          MODULE:                            +
+       FORCGRAD          FGMOD                              +
+       LOSSDATA          LOSSMOD                            +
+       BUILD2            BILD2MOD                           +
+                                                            +
+*CMS COMMANDS:                                              +
+  - LINK TO USERID FILE MODE = &MODE                        +
+  - COPY &FNAME &FTYPE &MODE TO TEMP DATA A ( LRECL 80      +
+                                                            +
+*DDNAME FILE DEFINITIONS:                                   +
+  - FILEDEF 02 = PRINTER                                    +
+  - FILEDEF 03 = DISK  TEMP DATA A (LRECL 80                +
+  - FILEDEF 04 = DISK  NEWFORMTHREE (LRECL 80               +
+  - FILEDEF 05 = TERMINAL                                   +
+  - FILEDEF 06 = TERMINAL                                   +
+  - FILEDEF 07 = DISK  LOSSTABLE   (LRECL 80                +
+  - FILEDEF 10 = DISK  FORCEGRADE TABLE (LRECL 132          +
+                                                            +
+                                                            +
+                                                            +
+                    R. SCHREIBER  25OCT83                   +
+-------------------------------------------------------------+
&END
&TYPE DO YOU WISH TO CONTINUE ? (YES|NO).
&READ VARS &RESPONSE
&RESPONSE = &SUBSTR &RESPONSE 1 1
&IF &RESPONSE NE Y &EXIT
 DISPCL
-LINKUP &TYPE ENTER USERID WHERE DATA EXISTS (8 CHAR MAX)
&READ VARS &ID
 EXEC LINKUPB &ID
&IF &RETCODE NE 0 &GOTO -ERR01
```

```
&MODE = B
-AGAIN &CONTINUE
&DODFLAG = 0
&AGGFLAG = 0
 DISPCL
&TYPE ENTER FILENAME OF DATA SET TO RUN (EG. ACE09CAT)
&READ VARS &FNAME
-REDOIT &SPACE 2
&TYPE DO YOU NEED TO BUILD A NEW FORMAT THREE ? (YES|NO).
&READ VARS &ANSWR
&ANSWR = &SUBSTR &ANSWR 1 1
&IF &ANSWR NE Y &IF &ANSWR NE N &GOTO -REDOIT
&BILDIT = &ANSWR
&TYPE ENTER FILETYPE (EG. CURRENT).
&READ VARS &FTYPE
 STATE &FNAME &FTYPE B
&IF &RETCODE NE 0 &GOTO -ERR02
&SRVC    = &SUBSTR &FNAME 1 1
&FORCE   = &SUBSTR &FNAME 2 1
&POP     = &SUBSTR &FNAME 3 1
&CODE    = &SUBSTR &FNAME 4 2
&RET     = &SUBSTR &FNAME 6 1
&MOD     = &SUBSTR &FNAME 7 2
*   SET CONSTANTS FOR ENLISTED POPULATION
&IF &POP EQ 0 &SKIP 5
&RECS  = 685
&FIRST = 3
&LAST  = 9
&OCCNMBR = 10
&GOTO -RESUME
*   SET CONSTANTS FOR OFFICER POPULATION
&RECS  = 457
&FIRST = 1
&LAST  = 6
&OCCNMBR = 14
-RESUME &CONTINUE
&REC   = &RECS - 1
&START = -&REC
&GOTO -&SRVC
-A &CONTINUE
&IF &POP EQ 0 &GOTO -AO
&GAIN = 132000
&ENDS = 677362
&GOTO -EOCCGRP
-AO &CONTINUE
&GAIN = 6700
&ENDS = 88874
&GOTO -OOCCGRP
-N &CONTINUE
&IF &POP EQ 0 &GOTO -NO
&GAIN = 71000
&ENDS = 479663
&GOTO -EOCCGRP
-NO &CONTINUE
```

```
&GAIN = 4600
&ENDS = 62255
&GOTO -OOCCGRP
-M &CONTINUE
&IF &POP EQ 0 &GOTO -MO
&GAIN = 29000
&ENDS = 173069
&GOTO -EOCCGRP
-MO &CONTINUE
&GAIN = 1700
&ENDS = 17303
&GOTO -OOCCGRP
-F &CONTINUE
&IF &POP EQ 0 &GOTO -FO
&GAIN = 78000
&ENDS = 474646
&GOTO -EOCCGRP
-FO &CONTINUE
&GAIN = 7900
&ENDS = 101467
&GOTO -OOCCGRP
-D &BEGTYPE
SPECIFY WHICH SERVICE TO EXTRACT FROM DOD FILE
CODE    SERVICE
 1       ARMY
 2       NAVY
 3       USMC
 4       USAF
&END
&READ VARS &SERCODE
&IF &SERCODE EQ 1 &SRVC = A
&IF &SERCODE EQ 2 &SRVC = N
&IF &SERCODE EQ 3 &SRVC = M
&IF &SERCODE EQ 4 &SRVC = F
* IF NO OCCUPATIONAL DATA FOR THAT SERVICE PICK ANOTHER ONE
&IF &CODE EQ  1 &IF &SRVC EQ M &GOTO -NODATA
&IF &CODE EQ  2 &IF &SRVC EQ M &GOTO -NODATA
&IF &CODE EQ  3 &IF &SRVC EQ M &GOTO -NODATA
&IF &CODE EQ  4 &IF &SRVC EQ M &GOTO -NODATA
&IF &CODE EQ  5 &IF &SRVC NE A &GOTO -NODATA
&IF &CODE EQ  6 &IF &SRVC EQ M &GOTO -NODATA
&IF &CODE EQ  7 &IF &SRVC EQ N &GOTO -NODATA
&IF &CODE EQ  7 &IF &SRVC EQ M &GOTO -NODATA
&IF &CODE EQ  ' &IF &SRVC EQ A &GOTO -NODATA
&IF &CODE EQ 10 &IF &SRVC EQ F &GOTO -NODATA
&IF &CODE EQ 11 &IF &SRVC EQ N &GOTO -NODATA
&IF &CODE EQ 12 &IF &SRVC NE F &GOTO -NODATA
&IF &CODE EQ 13 &IF &SRVC EQ F &GOTO -NODATA
&LOOP 1 &SERCODE
&START = &START + &RECS
&DODFLAG = 1
&GOTO -&SRVC
-NODATA DISPCL
&TYPE SORRY, THERE IS NO OCC DATA FOR THAT SERVICE. PICK ANOTHER.
```

```
&SPACE 2
&GOTO -D
-EOCCGRP &CONTINUE
&IF &CODE EQ 10 &GOTO -AGGREGATE
&IF &DODFLAG EQ 1 &IF &BILDIT EQ Y &GOTO -ENUMBRS
&IF &DODFLAG = 1 &GOTO -GETOCCGRP
 DISPCL
&BEGTYPE
 ENTER WHICH OCC GROUP TO PROCESS
        STANDARD    USMC
        00XX = 0     0
        01XX = 1     1
        02XX = 2     2
        03XX = 3     -
        04XX = 4     3
        05XX = 5     4
        06XX = 6     5
        07XX = 7     6
        08XX = 8     7
        09XX = -     8
&END
&READ VARS &OCCGRP
*** IF NOT BUILDING NEW FORCE PROFILE USE SET CONSTANTS ***
-ENUMBRS &CONTINUE
&IF &BILDIT EQ N &SKIP 4
&TYPE ENTER GAINS FOR THIS OCCGRP...
&READ VARS &GAIN
&TYPE ENTER END STRENGTH FOR THIS OCCGRP...
&READ VARS &ENDS
&IF &DODFLAG EQ 1  &GOTO -GETOCCGRP
&OCCNMBR = &OCCGRP
&IF &SRVC EQ M &IF &OCCGRP GT 2 &OCCNMBR = &OCCNMBR + 1
&IF &OCCNMBR LT 10 &OCCNMBR = &CONCAT 0 &OCCNMBR
&DOLOOP  = &OCCGRP + 1
&LOOP 1 &DOLOOP
&START = &START + &RECS
&GOTO -GETOCCGRP
-OOCCGRP &CONTINUE
&IF &CODE     EQ 14 &GOTO -AGGREGATE
&IF &DODFLAG EQ 1 &IF &BILDIT EQ Y &GOTO -ONUMBRS
&IF &DODFLAG EQ 1  &GOTO -GETOCCGRP
 DISPCL
&BEGTYPE
 SPECIFY WHICH OCC GROUP TO PROCESS ACCORDING TO THE MENU
 CODE     ARMY     NAVY     USMC     USAF     CODE
   0.....JAG.....JAG.....JAG.....JAG..... 0
   1.....CHAP....CHAP....PLT.....CHAP.....1
   2.....MED.....MED.....NAV.....MED.....2
   3.....DEN.....DEN.....CBT.....DEN.....3
   4.....NRS.....NRS.....SUP.....NRS.....4
   5.....VET.....MSC.....OTR.....MSC.....5
   6.....MSC.....PLT.....BSC.....6
   7.....BSC.....NAV.....PLT.....7
```

```
   8.....PLT.....CBT.............NAV.......8
   9.....CBT.....OTR.............SUP.......9
  10.....SUP.....................S-E.......10
  11.....OTR.....................................11
&END
&READ VARS &OCCGRP
*** IF NOT BUILDING NEW FORCE PROFILE USE SET CONSTANTS ***
-ONUMBRS &CONTINUE
&IF &BILDIT EQ N &SKIP 4
&TYPE ENTER GAINS FOR THIS OCCGRP...
&READ VARS &GAIN
&TYPE ENTER END STRENGTH FOR THIS OCCGRP...
&READ VARS &ENDS
&IF &DODFLAG EQ 1  &GOTO -GETOCCGRP
&OCCNMBR = &OCCGRP
&IF &OCCNMBR LT 10 &OCCNMBR = &CONCAT 0 &OCCNMBR
&DOLOOP = &OCCGRP + 1
&LOOP 1 &DOLOOP
&START = &START + &RECS
-GETOCCGRP &CONTINUE
*   EXTRACT DATA FROM SPECIFIED FORMAT THREE
 COPY &FNAME &FTYPE &MODE TEMP DATA A (FR &START FOR &RECS LRECL 80
&IF &DODFLAG EQ 1 &OCCNMBR = &CODE
&GOTO -DOIT
*   COPY SINGLE AGGREGATE FILE INTO TEMP DATA
-AGGREGATE &CONTINUE
&AGGFLAG = 1
 COPY &FNAME &FTYPE &MODE TEMP DATA A (LRECL 80
-DOIT &CONTINUE
*   FILE NAME AND TYPE FOR NEW FORMAT THREE FLOW DYNAMIC TABLE
&FNOUT = &CONCAT &SRVC &FORCE &POP &CODE &RET &MOD
&TYPEOUT = NEWFILE
&TAIL1 = CAT
&IF &RET EQ R &TAIL1 = &CONCAT C  &MOD
*   FILE NAME AND TYPE FOR NEW FORMAT TWO FORCE GRADE TABLE
&OUTFILE = &CONCAT &SRVC &FORCE &POP &OCCNMBR  &TAIL1
&OUTTYPE = ACOLDATA
*   FILE NAME FOR LOSS TABLE
&TAIL2 = LOS
&IF &RET EQ R &TAIL2 = &CONCAT L  &MOD
&OUTDISK = &CONCAT &SRVC &FORCE &POP &OCCNMBR &TAIL2
&IF &BILDIT EQ N &FNOUT = TEMP
&IF &BILDIT EQ N &TYPEOUT = DATA
 FILEDEF 02 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
 FILEDEF 03 DISK TEMP     DATA     A
 FILEDEF 04 DISK &FNOUT   &TYPEOUT A
 FILEDEF 05 TERMINAL
 FILEDEF 06 TERMINAL
 FILEDEF 07 DISK &OUTDISK &OUTTYPE A (RECFM FB LRECL 132 BLKSIZE 6600
 FILEDEF 10 DISK &OUTFILE &OUTTYPE A (RECFM FB LRECL 132 BLKSIZE 6600
&IF &BILDIT EQ N &GOTO -LOSSTABLE
 DISPCL
&TYPE NOW BUILDING NEW FLOW DYNAMIC TABLE...
&TYPE &FNOUT &TYPEOUT
```

```
 EXEC CLRSTAK
&STACK &GAIN
&STACK &ENDS
 BILD2MOD
-LOSSTABLE &SPACE 2
&TYPE DO YOU WANT LOSS TABLE ? (YES|NO).
&READ VARS &LOST
&LOST = &SUBSTR &LOST 1 1
&IF &LOST EQ N &GOTO -FORCEGRADE
 DISPCL
&TYPE CREATING LOSS TABLE...
&TYPE &OUTDISK &OUTTYPE
&STACK &FIRST
&STACK &LAST
 LOSSMOD
-FORCEGRADE DISPCL
&TYPE NOW CREATING FORCE GRADE TABLE...
&TYPE &OUTFILE &OUTTYPE
 EXEC CLRSTAK
&STACK &FIRST
&STACK &LAST
 FGMOD
 ERASE TEMP   DATA   A
&IF &AGGFLAG EQ 1 &GOTO -NEWFILE
&SPACE 2
&TYPE DO YOU WANT TO CREATE ANOTHER FORCE GRADE
&TYPE TABLE FROM FILE &FNAME ? (YES|NO).
&READ VARS &ANS2
&ANS2 = &SUBSTR &ANS2 1 1
&IF &ANS2 EQ N &GOTO -NEWFILE
&IF &DODFLAG = 1 &SRVC = D
&GOTO -RESUME
-QUIT EXEC CLRSTAK
 REL B (DET
&BEGTYPE
PROGRAM TERMINATED...
&END
&EXIT
-NEWFILE &BEGTYPE
IF YOU WANT TO QUIT ENTER--> QUIT
RUN ANOTHER FILE ON SAME USERID ENTER--> AGAIN
LINKUP TO A NEW USERID ENTER--> LINKUP
&END
&READ VARS &REPLY
&IF &REPLY NE QUIT &IF &REPLY NE AGAIN &IF &REPLY NE LINKUP &GOTO -OOPS
&GOTO -&REPLY
-OOPS &TYPE YOU ENTERED &REPLY TRY AGAIN
&GOTO -NEWFILE
*** ERROR MESSAGES ***
-ERR01 &TYPE CHECK SPELLING &ID IS NOT CORRECT
&GOTO -LINKUP
-ERR02 &TYPE &FNAME &FTYPE DOES NOT LIVE ON &ID 'S B-DISK
&GOTO -QUIT
```

Attachment 4b(1) to Appendix J
FORCGRAD Program Listing

```
                CCCC
```

```
0028              400    CONTINUE                                                    FOR00490
                  C*************************************************************** FOR00500
                  C SUM ROWS (ONLY THOSE FIELDS WITH LOSS RATE DATA)                 FOR00510
                  C FILL FORM2 ARRAY WITH STRENGTH BY YOS DATA FOR EACH GRADE        FOR00520
                  C*************************************************************** FOR00530
0029                       DO 700 I = 1,35                                           FOR00540
0030                          RSUM(I)  = 0                                           FOR00550
0031                          FORM2(I,GRADE) = INT(FILE(I,2,GRADE))                  FOR00560
0032                          DO 600 J = 6,19                                        FOR00570
0033                             IF(J .EQ. 7) GO TO 600                              FOR00580
0034                             RSUM(I) = RSUM(I) + INT(FILE(I,J,GRADE))            FOR00590
0035              600         CONTINUE                                               FOR00600
0036              700    CONTINUE                                                    FOR00610
                  C*************************************************************** FOR00620
                  C CONVERT THE RATES OF FORMAT 3 INTO RAW NUMBERS                   FOR00630
                  C SUM ROWS AND COLUMNS -->ROW SUM = YOS STRENGTH                   FOR00640
                  C*************************************************************** FOR00650
0037                       DO 6100 I = 1,35                                          FOR00660
0038                          DO 6000 J = 6,19                                       FOR00670
0039                             IF (J .EQ. 7) GO TO 6000                            FOR00680
0040                             RNUM(I,J) = INT((FILE(I,2,GRADE) * FILE(I,J,GRADE)) + .5)FOR00690
0041              6000        CONTINUE                                               FOR00700
0042              6100   CONTINUE                                                    FOR00710
0043                       DO 6400 I = 1,35                                          FOR00720
0044                          RNUM(I,1) = INT(FILE(I,1,GRADE))                       FOR00730
0045                          RNUM(I,2) = 0                                          FOR00740
0046                          RNUM(I,7) = INT(FILE(I,7,GRADE))                       FOR00750
0047                          DO 6200 J = 6,19                                       FOR00760
0048                             IF (J .EQ. 7) GO TO 6200                            FOR00770
0049                             RNUM(I,2) = RNUM(I,2) + RNUM(I,J)                   FOR00780
0050              6200        CONTINUE                                               FOR00790
0051                          DO 6300 J = 3,5                                        FOR00800
0052                             RNUM(I,J) = INT(FILE(I,J,GRADE))                    FOR00810
0053              6300        CONTINUE                                               FOR00820
0054              6400   CONTINUE                                                    FOR00830
0055                       DO 6600 J = 2,19                                          FOR00840
0056                          COLSUM(J) = 0                                          FOR00850
0057                          DO 6500 I = 1,35                                       FOR00860
0058                             COLSUM(J) = COLSUM(J) + RNUM(I,J)                   FOR00870
0059              6500        CONTINUE                                               FOR00880
0060              6600   CONTINUE                                                    FOR00890
                  C*************************************************************** FOR00900
                  C SUM THE NUMBER ARRAY OVER ALL GRADES                             FOR00910
                  C*************************************************************** FOR00920
0061              6750   DO 6900 I = 1,35                                            FOR00930
0062                          DO 6800 J = 2,19                                       FOR00940
0063                             SUMNUM(I,J)     = SUMNUM(I,J) + RNUM(I,J)           FOR00950
0064              6800        CONTINUE                                               FOR00960
```

```
0065              6900    CONTINUE                                                      FOR00970
0066               900 CONTINUE                                                       FOR00980
                  C                                                                  FOR00990
                  C                                                                  FOR01000
                  C                                                                  FOR01010
0067               901 CONTINUE                                                      FOR01020
                  C                                                                  FOR01030
                  C*****SUM THE COLUMNS OF SUMNUM ARRAY*******************************FOR01040
                  C                                                                  FOR01050
0068                    DO 7100 J = 2,19                                             FOR01060
0069                       COLSUM(J) = 0                                             FOR01070
0070                       DO 7000 I = 1,35                                          FOR01080
0071                          COLSUM(J) = COLSUM(J) + SUMNUM(I,J)                    FOR01090
0072               7000    CONTINUE                                                  FOR01100
0073               7100 CONTINUE                                                     FOR01110
                  C*******************************************************************FOR01120
                  C  COMPUTE ROW AND COLUMN SUMS FOR FORMAT 2                       FOR01130
                  C*******************************************************************FOR01140
0074                    TOTAL = 0                                                    FOR01150
0075                    DO 8100 J = 1,9                                              FOR01160
0076                       CSUM(J) = 0                                               FOR01170
0077                       DO 8000 I = 1,35                                          FOR01180
0078                          CSUM(J) = CSUM(J) + FORM2(I,J)                         FOR01190
0079               8000    CONTINUE                                                  FOR01200
0080               8100 CONTINUE                                                     FOR01210
0081                    DO 8300 I = 1,35                                             FOR01220
0082                       RSUM(I)   = 0                                             FOR01230
0083                       DO 8200 J = 1,9                                           FOR01240
0084                          RSUM(I) = RSUM(I) + FORM2(I,J)                         FOR01250
0085               8200    CONTINUE                                                  FOR01260
0086                       TOTAL = TOTAL + RSUM(I)                                   FOR01270
0087               8300 CONTINUE                                                     FOR01280
                  C                                                                  FOR01290
                  C*****WRITE FORMAT 2************************************************FOR01300
                  C                                                                  FOR01310
0088                    TLOST = 0                                                    FOR01320
0089                    WRITE (OUTPUT,8500) (TITLE1(I), I = 1,65)                    FOR01330
0090                    DO 8400 I = 1,35                                             FOR01340
0091                       YOSLOS= RSUM(I) - RSUM(I+1)                               FOR01350
0092                       IF(I .EQ. 35) YOSLOS = RSUM(I)                            FOR01360
0093                       TLOST = TLOST + YOSLOS                                    FOR01370
0094                       WRITE (OUTPUT,8510) I, (FORM2(I,J), J = 1,9),             FOR01380
                         +                          RSUM(I),YOSLOS                  FOR01390
0095               8400 CONTINUE                                                     FOR01400
0096                    WRITE (OUTPUT,8520) (CSUM(J), J = 1,9), TOTAL, TLOST         FOR01410
0097                    WRITE (OUTPUT,1998)MONTH,DAY,YEAR                            FOR01420
0098               8700 CONTINUE                                                     FOR01430
                  C                                                                  FOR01440
```

```
                C*****READ FORMAT STATEMENTS*********************************************** FOR01450
                C                                                                           FOR01460
0099             1050 FORMAT(65A1)                                                          FOR01470
0100             1100 FORMAT(I2,4F7.0,F7.4,F7.0,3F7.4)                                      FOR01480
0101             1200 FORMAT(2X,9F7.4)                                                      FOR01490
                C                                                                           FOR01500
                C*****WRITE FORMAT STATEMENTS********************************************** FOR01510
                C                                                                           FOR01520
0102             1998 FORMAT('RUN DATE: ',I2,'/',I2,'/',I2)                                 FOR01530
0103             2700 FORMAT(1H1,'YOU HAVE ENCOUNTERED AN INPUT ERROR ATTEMPTING'/          FOR01540
                    11X,'TO READ DATA FROM SET NUMBER: ',I2)                                FOR01550
0104             2900 FORMAT(1X,'YOU BOZO! I WENT TO ALL THAT TROUBLE EXPLAINING'/          FOR01560
                    11X,'HOW TO ENTER TWO SIMPLE NUMBERS AND YOU FAILED. TRY AGAIN')        FOR01570
0105             2920 FORMAT(' YOU ENTERED ONLY ONE OF THE TWO NUMBERS REQUIRED.'/          FOR01580
                    1' TRY TO GET IT RIGHT THIS TIME.')                                     FOR01590
0106             3000 FORMAT(65A1)                                                          FOR01600
0107             3100 FORMAT(2X,63A1)                                                       FOR01610
0108             8500 FORMAT('FORCE CONFIGURATION (FORMAT 2)'/,65A1,/,                      FOR01620
                    188('='),/,                                                             FOR01630
                    2'YR/GRADE',6X,'1',6X,'2',6X,'3',6X,'4',6X,'5',6X,'6',6X,'7',6X,       FOR01640
                    3'8',6X,'9  TOTAL  TOTLOST'/,88('='))                                   FOR01650
0109             8510 FORMAT(2X,I2,4X,9(I7),I8,2X,I8)                                       FOR01660
0110             8520 FORMAT(88('=')/,'TOTAL -->',9(I7),I8,2X,I8)                           FOR01670
0111                  GO TO 999                                                             FOR01680
                C                                                                           FOR01690
                C*****INPUT ERROR AND END OF FILE ROUTINES********************************* FOR01700
                C                                                                           FOR01710
0112              910 WRITE (6,2700) KOUNT                                                  FOR01720
0113                  GO TO 999                                                             FOR01730
0114              920 NGRADE = GRADE - 1                                                    FOR01740
0115                  GO TO 991                                                             FOR01750
0116              930 WRITE (6,2900)                                                        FOR01760
0117                  GO TO 50                                                              FOR01770
0118              950 WRITE (6,2920)                                                        FOR01780
0119                  GO TO 50                                                              FOR01790
0120              991 CONTINUE                                                              FOR01800
                C     WRITE(6,902) NGRADE                                                   FOR01810
0121              902 FORMAT(' YOU HAVE READ IN DATA FOR ',I2,' PAYGRADES.')                FOR01820
0122                  GO TO 901                                                             FOR01830
0123              999 STOP                                                                  FOR01840
0124                  END                                                                   FOR01850
```

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	180	LDFIO#	184	DAYTIM	188				

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
YES	1C0	NO	1C4	KOUNT	1C8	INFILE	1CC	OUTPUT	1D0
FIRST	1D4	LAST	1D8	MONTH	1DC	DAY	1E0	YEAR	1E4
HOUR	1E8	MIN	1EC	SEC	1F0	GRADE	1F4	I	1F8
J	1FC	TOTAL	200	TLOST	204	YOSLOS	208	NGRADE	20C

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
TITLE1	210	TITLE2	314	LABEL1	418	LABEL2	620	SUMNUM	914
RNUM	1378	FORM2	1DDC	CSUM	22C8	RSUM	2314	COLSUM	23A0
FILE	23EC								

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
1050	8174	1100	817A	1200	818E	1998	8197	2700	81B1
2900	820B	2920	827E	3000	82D6	3100	82DC	8500	82E4
8510	8361	8520	8374	902	8393				

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
0084A8	6		0084B4	7		0084BC	8	
0084C4	9	50	0084F0	10		0084FA	11	
008524	12		00855C	13		008580	14	
0085A4	15		0085B4	16		008604	17	100
008620	18		008640	19		008650	20	
0086A0	21	200	0086BC	22		0086D0	23	
0086DC	24		0086EA	25		0086F4	26	
00871C	27	300	008734	28	400	008754	29	
008762	30		008772	31		008796	32	
0087A0	33		008782	34		0087DE	35	600
0087FA	36	700	008816	37		008826	38	
008834	39		008846	40		008878	41	6000
008894	42	6100	008880	43		0088C0	44	
0088E8	45		0088F0	46		008914	47	
00891E	48		008930	49		00893C	50	6200
008958	51		008966	52		00898E	53	6300
0089A6	54	6400	0089C2	55		0089D6	56	
0089E2	57		0089EC	58		0089F8	59	6500
008A14	60	6600	008A34	61	6750	008A44	62	
008A56	63		008A62	64	6800	008A7E	65	6900
008A9A	66	900	008AF2	68	901	008B06	69	
008B12	70		008B1C	71		008B28	72	7000
008B44	73	7100	008B64	74		008B70	75	
008B80	76		008B8C	77		008B96	78	
008BA2	79	8000	008B8E	80	8100	008BDE	81	
008BF2	82		008BFE	83		008C08	84	
008C14	85	8200	008C30	86		008C3C	87	8300
008C58	88		008C64	89		008CA4	90	
008CBC	91		008CC8	92		008CE2	93	
008CEE	94		008D58	95	8400	008D74	96	
008DCC	97		008DF8	111	8700	008DFE	112	910
008E1C	113		008E22	114	920	008E32	115	
008E38	116	930	008E4C	117		008E52	118	950
008E68	119		008E6E	122	991	008E74	123	999

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = MAIN , LINECNT = 50
STATISTICS SOURCE STATEMENTS = 124,PROGRAM SIZE = 36482
STATISTICS NO DIAGNOSTICS GENERATED

Attachment 4b(1a) to Appendix J
Sample Output from FORCGRAD

FORCE CONFIGURATION (FORMAT 2)
ARMY CURRENT OBJ ENLISTED

YR/GRADE	1	2	3	4	5	6	7	8	9	TOTAL	TOTLOST
1	0	0	132314	0	0	0	0	0	0	132314	16817
2	0	0	67758	47739	0	0	0	0	0	115497	9001
3	0	0	23370	77927	5199	0	0	0	0	106496	54691
4	0	0	5775	28769	17261	0	0	0	0	51805	20251
5	0	0	0	11298	20256	0	0	0	0	31554	3245
6	0	0	0	5361	22273	675	0	0	0	28309	3458
7	0	0	0	3548	19217	2086	0	0	0	24851	2776
8	0	0	0	2391	12656	6974	54	0	0	22075	2985
9	0	0	0	1679	6444	10893	74	0	0	19090	2349
10	0	0	0	1314	3736	11475	216	0	0	16741	2483
11	0	0	0	0	2515	11305	438	0	0	14258	1183
12	0	0	0	0	1911	9206	1924	34	0	13075	800
13	0	0	0	0	1559	7345	3317	54	0	12275	903
14	0	0	0	0	1223	4684	5382	83	0	11372	477
15	0	0	0	0	1091	3481	6177	146	0	10895	407
16	0	0	0	0	1018	2670	6504	296	0	10488	314
17	0	0	0	0	964	2203	6377	619	11	10174	274
18	0	0	0	0	926	1993	5868	1098	15	9900	323
19	0	0	0	0	889	1879	4751	2034	24	9577	359
20	0	0	0	0	841	1773	3881	2680	43	9218	3686
21	0	0	0	0	495	1013	1535	2407	79	5532	2107
22	0	0	0	0	0	645	568	2056	156	3425	871
23	0	0	0	0	0	463	339	1457	295	2554	886
24	0	0	0	0	0	0	225	857	586	1668	501
25	0	0	0	0	0	0	135	432	600	1167	133
26	0	0	0	0	0	0	112	306	616	1034	297
27	0	0	0	0	0	0	0	183	554	737	189
28	0	0	0	0	0	0	0	101	447	548	136
29	0	0	0	0	0	0	0	65	347	412	89
30	0	0	0	0	0	0	0	51	272	323	313
31	0	0	0	0	0	0	0	0	10	10	1
32	0	0	0	0	0	0	0	0	9	9	1
33	0	0	0	0	0	0	0	0	8	8	1
34	0	0	0	0	0	0	0	0	7	7	1
35	0	0	0	0	0	0	0	0	6	6	6
TOTAL -->	0	0	229217	180026	120477	80763	47877	14959	4085	677404	132314

RUN DATE: 1/10/84

Attachment 4b(2) to Appendix J
LOSSDATA Program Listing

```
                CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  LOS00010
                C                    ** LOSS DATA **                                          C  LOS00020
                C                                                                             C  LOS00030
                C PROGRAM TO READ FORMAT 3 DATA,  AND THEN OUTPUT THE LOSS DATA               C  LOS00040
                C TO DISK FOR INPUT TO THE ANNUALIZED COST OF LEAVING (ACOL) MODEL.           C  LOS00050
                C                                                                             C  LOS00060
                CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  LOS00070
0001                  INTEGER FIRST, GRADE, YES, TODISK                                       LOS00080
0002                  INTEGER*4 MONTH, DAY, YEAR, HOUR, MIN, SEC                              LOS00090
0003                  DIMENSION FILE(35,19,9), SUMNUM(35,19), RNUM(35,19), FORM2(35,9)        LOS00100
0004                  DIMENSION TITLE1(65), TITLE2(65), LABEL1(130), LABEL2(189)              LOS00110
0005                  DIMENSION CSUM(19), RSUM(35), COLSUM(19), AVGYOS(35)                    LOS00120
0006                  DIMENSION RETIRE(35), ATTRIT(35), ALOSS(35), DEATH(35)                  LOS00130
0007                  DATA YES/3HYES/, NO/2HNO/                                               LOS00140
                C*************************************************************************  LOS00150
                C READ FROM THE TERMINAL: THE FIRST AND LAST GRADE TO PROCESS                 LOS00160
                C INFILE: DATA FILE DEFINITION #;                                             LOS00170
                C FIRST: FIRST GRADE TO PROCESS; LAST: LAST GRADE TO PROCESS;                 LOS00180
                C*************************************************************************  LOS00190
                C                                                                             LOS00200
                C*****INITIALIZE ARRAYS SUMNUM AND FORM2*******************************       LOS00210
                C                                                                             LOS00220
0008                  DO 30 I = 1,35                                                          LOS00230
0009                     DO 10 J = 1,9                                                        LOS00240
0010                        SUMNUM(I,J) = 0.0                                                 LOS00250
0011                        FORM2(I,J)  = 0.0                                                 LOS00260
0012                10    CONTINUE                                                            LOS00270
0013                     DO 20 J = 10,19                                                      LOS00280
0014                        SUMNUM(I,J) = 0.0                                                 LOS00290
0015                20    CONTINUE                                                            LOS00300
0016                30 CONTINUE                                                             LOS00310
0017                   KOUNT = 0                                                            LOS00320
0018                   INFILE = 04                                                          LOS00330
0019                   TODISK = 07                                                          LOS00340
0020                50 CONTINUE                                                             LOS00350
0021                   READ (5,*,ERR=930,END=950) FIRST, LAST                               LOS00360
0022                   CALL DAYTIM(MONTH,DAY,YEAR,HOUR,MIN,SEC)                             LOS00370
                C                                                                             LOS00380
                C*****READ THE DATA FROM THE FILE, PROCESS A GRADE AT A TIME**********       LOS00390
                C                                                                             LOS00400
0023                  READ (INFILE,1050,ERR=910,END=920) TITLE1                               LOS00410
0024                  DO 900 GRADE = 1, 10                                                    LOS00420
0025                     READ (INFILE,1050,END=920) TITLE2                                    LOS00430
0026                     READ (INFILE,3000,END=920) LABEL1                                    LOS00440
0027                     DO 100 I = 1,35                                                      LOS00450
0028                        READ (INFILE,1100) (FILE(I,J,GRADE), J = 1,10)                    LOS00460
0029                100    CONTINUE                                                         LOS00470
0030                     READ (INFILE,3100) LABEL2                                          LOS00480
```

```
0031                    DO 200 I = 1,35                                          LOS00490
0032                       READ (INFILE,1200)  (FILE(I,J,GRADE),J = 11,19)       LOS00500
0033              200   CONTINUE                                                 LOS00510
                  C                                                            LOS00520
                  C*****SUM COLUMNS 2,3,4,5,7.*************************************** LOS00530
                  C                                                            LOS00540
0034                    DO 400 J = 2,7                                           LOS00550
0035                       CSUM(J) = 0.0                                         LOS00560
0036                       IF (J .EQ. 6) GO TO 400                               LOS00570
0037                       DO 300 I = 1,35                                       LOS00580
0038                          CSUM(J) = CSUM(J) + FILE(I,J,GRADE)                LOS00590
0039              300      CONTINUE                                              LOS00600
0040              400   CONTINUE                                                 LOS00610
                  C*****************************************************************LOS00620
                  C SUM ROWS (ONLY THOSE FIELDS WITH LOSS RATE DATA)           LOS00630
                  C FILL FORM2 ARRAY WITH STRENGTH BY YOS DATA FOR EACH GRADE  LOS00640
                  C*****************************************************************LOS00650
0041                    DO 700 I = 1,35                                          LOS00660
0042                       RSUM(I)  = 0.0                                        LOS00670
0043                       FORM2(I,GRADE) = FILE(I,2,GRADE)                      LOS00680
0044                       DO 600 J = 6,19                                       LOS00690
0045                          IF(J .EQ. 7) GO TO 600                             LOS00700
0046                          RSUM(I) = RSUM(I) + FILE(I,J,GRADE)                LOS00710
0047              6(.      CONTINUE                                              LOS00720
0048              700   CONTINUE                                                 LOS00730
                  C*****************************************************************LOS00740
                  C CONVERT THE RATES OF FORMAT 3 INTO RAW NUMBERS             LOS00750
                  C SUM ROWS AND COLUMNS -->ROW SUM = YOS STRENGTH             LOS00760
                  C*****************************************************************LOS00770
0049                    DO 6100 I = 1,35                                         LOS00780
0050                       DO 6000 J = 6,19                                      LOS00790
0051                          IF (J .EQ. 7) GO TO 6000                           LOS00800
0052                          RNUM(I,J) = FILE(I,2,GRADE) * FILE(I,J,GRADE)      LOS00810
0053              6000     CONTINUE                                              LOS00820
0054              6100  CONTINUE                                                 LOS00830
0055                    DO 6400 I = 1,35                                         LOS00840
0056                       RNUM(I,1) = FILE(I,1,GRADE)                           LOS00850
0057                       RNUM(I,2) = 0.                                        LOS00860
0058                       RNUM(I,7) = FILE(I,7,GRADE)                           LOS00870
0059                       DO 6200 J = 6,19                                      LOS00880
0060                          IF (J .EQ. 7) GO TO 6200                           LOS00890
0061                          RNUM(I,2) = RNUM(I,2) + RNUM(I,J)                  LOS00900
0062              6200     CONTINUE                                              LOS00910
0063                       DO 6300 J = 3,5                                       LOS00920
0064                          RNUM(I,J) = FILE(I,J,GRADE)                        LOS00930
0065              6300     CONTINUE                                              LOS00940
0066              6400  CONTINUE                                                 LOS00950
0067                    DO 6600 J = 2,19                                         LOS00960
```

```
0068                        COLSUM(J) = 0.                                    LOS00970
0069                        DO 6500 I = 1,35                                  LOS00980
0070                           COLSUM(J) = COLSUM(J) + RNUM(I,J)              LOS00990
0071                6500    CONTINUE                                          LOS01000
0072                6600  CONTINUE                                            LOS01010
                    C*****************************************************************LOS01020
                    C SUM THE NUMBER ARRAY OVER ALL GRADES AND                LOS01030
                    C LOAD FLOW RECONCILIATION ARRAY                          LOS01040
                    C*****************************************************************LOS01050
0073                6750  DO 6900 I = 1,35                                    LOS01060
0074                        DO 6800 J = 2,19                                  LOS01070
0075                           SUMNUM(I,J)    = SUMNUM(I,J) + RNUM(I,J)       LOS01080
0076                6800    CONTINUE                                          LOS01090
0077                6900  CONTINUE                                            LOS01100
0078                 900 CONTINUE                                             LOS01110
                    C                                                         LOS01120
                    C*****COMPUTE RETIREMENTS, ATTRITIONS, AND TOTAL LOSSES*********LOS01130
                    C                                                         LOS01140
0079                 901 TDEATH = 0.                                          LOS01150
0080                     TOTRET = 0.                                          LOS01160
0081                     TOTATT = 0.                                          LOS01170
0082                     TOTLOS = 0.                                          LOS01180
0083                     DO 6930 I = 1,35                                     LOS01190
0084                        RETIRE(I) = 0.                                    LOS01200
0085                        ATTRIT(I) = 0.                                    LOS01210
0086                        DEATH(I)  = SUMNUM(I,11)                          LOS01220
0087                        ALOSS(I)  = DEATH(I)                              LOS01230
0088                        DO 6910 J = 12,15                                 LOS01240
0089                           RETIRE(I) = RETIRE(I) + SUMNUM(I,J)            LOS01250
0090                           ALOSS(I)  = ALOSS(I)  + SUMNUM(I,J)            LOS01260
0091                6910    CONTINUE                                          LOS01270
0092                        TOTRET = TOTRET + RETIRE(I)                       LOS01280
0093                        DO 6920 J = 16,19                                 LOS01290
0094                           ATTRIT(I) = ATTRIT(I) + SUMNUM(I,J)            LOS01300
0095                           ALOSS(I)  = ALOSS(I)  + SUMNUM(I,J)            LOS01310
0096                6920    CONTINUE                                          LOS01320
0097                        TOTATT = TOTATT + ATTRIT(I)                       LOS01330
0098                        TOTLOS = TOTLOS + ALOSS(I)                        LOS01340
0099                        TDEATH = TDEATH + DEATH(I)                        LOS01350
0100                6930 CONTINUE                                            LOS01360
                    C                                                         LOS01370
                    C*****SUM THE COLUMNS OF SUMNUM ARRAY**************************LOS01380
                    C                                                         LOS01390
0101                     DO 7100 J = 2,19                                     LOS01400
0102                        COLSUM(J) = 0.                                    LOS01410
0103                        DO 7000 I = 1,35                                  LOS01420
0104                           COLSUM(J) = COLSUM(J) + SUMNUM(I,J)            LOS01430
0105                7000    CONTINUE                                          LOS01440
```

```
0106            7100 CONTINUE                                                   LOS01450
                C*******************************************************************LOS01460
                C  COMPUTE ROW AND COLUMN SUMS FOR FORMAT 2                     LOS01470
                C  AND AVERAGE YOS (EXPERIENCE)                                 LOS01480
                C*******************************************************************LOS01490
0107                  TRNOVR = 0.                                               LOS01500
0108                  SUMA  = 0.                                                LOS01510
0109                  TOTAL = 0.                                                LOS01520
0110                  DO 8100 J = 1,9                                           LOS01530
0111                     CSUM(J) = 0.                                           LOS01540
0112                     DO 8000 I = 1,35                                       LOS01550
0113                        CSUM(J) = CSUM(J) + FORM2(I,J)                      LOS01560
0114            8000     CONTINUE                                               LOS01570
0115            8100  CONTINUE                                                  LOS01580
0116                  DO 8300 I = 1,35                                          LOS01590
0117                     RSUM(I)   = 0.                                         LOS01600
0118                     AVGYOS(I) = 0.                                         LOS01610
0119                     DO 8200 J = 1,9                                        LOS01620
0120                        RSUM(I) = RSUM(I) + FORM2(I,J)                      LOS01630
0121            8200     CONTINUE                                               LOS01640
0122                     SUMA  = SUMA  + RSUM(I) * I                            LOS01650
0123                     TOTAL = TOTAL + RSUM(I)                                LOS01660
0124                     IF(RSUM(I) .LT. 1.0) GO TO 8300                        LOS01670
0125                     AVGYOS(I) = ((SUMA / TOTAL) - 0.5)                     LOS01680
0126                     TRNOVR    = AMAX1(TRNOVR,AVGYOS(I))                    LOS01690
0127            8300  CONTINUE                                                  LOS01700
                C                                                               LOS01710
                C***** WRITE LOSS TABLE TO DISK ************************************ LOS01720
                C                                                               LOS01730
0128                  WRITE (TODISK,8611) TITLE1                                LOS01740
0129                  DO 8601 I = 1,35                                          LOS01750
0130                     WRITE (TODISK,8621) I,(SUMNUM(I,J),J=2,5),SUMNUM(I,8),  LOS01760
                     1   SUMNUM(I,9),SUMNUM(I,10),RETIRE(I),ATTRIT(I),DEATH(I),ALOSS(I) LOS01770
0131            8601  CONTINUE                                                  LOS01780
0132                  WRITE (TODISK,8631) (COLSUM(J),J=2,5),(COLSUM(J),J=8,10),  LOS01790
                     1TOTRET,TOTATT,TDEATH,TOTLOS                               LOS01800
0133                  WRITE (TODISK,1998)MONTH,DAY,YEAR                         LOS01810
0134            8701  CONTINUE                                                  LOS01820
                C                                                               LOS01830
                C*****READ FORMAT STATEMENTS*************************************** LOS01840
                C                                                               LOS01850
0135             1025  FORMAT(1A4)                                              LOS01860
0136             1050  FORMAT(65A1)                                             LOS01870
0137             1100  FORMAT(I2,4F7.0,F7.4,F7.0,3F7.4)                         LOS01880
0138             1200  FORMAT(2X,9F7.4)                                         LOS01890
                C                                                               LOS01900
                C*****WRITE FORMAT STATEMENTS************************************** LOS01910
                C                                                               LOS01920
```

```
0139            1998 FORMAT('RUN DATE: ',I2,'/',I2,'/',I2)                                LOS01930
0140            2700 FORMAT(1H1,'YOU HAVE ENCOUNTERED AN INPUT ERROR ATTEMPTING'/         LOS01940
                    11X,'TO READ DATA FROM SET NUMBER: ',I2)                              LOS01950
0141            2900 FORMAT(1X,'YOU BOZO! I WENT TO ALL THAT TROUBLE EXPLAINING'/         LOS01960
                    11X,'HOW TO ENTER TWO SIMPLE NUMBERS AND YOU FAILED. TRY AGAIN')      LOS01970
0142            2920 FORMAT(' YOU ENTERED ONLY ONE OF THE TWO NUMBERS REQUIRED.'/         LOS01980
                    1' TRY TO GET IT RIGHT THIS TIME.')                                   LOS01990
0143            3000 FORMAT(65A1)                                                         LOS02000
0144            3100 FORMAT(2X,63A1)                                                      LOS02010
0145            8611 FORMAT       (' ACCESSION, REMAIN IN SERVICE AND LOSS TABLE'/,       LOS02020
                    165A1,/,113('=')/,                                                    LOS02030
                    23X,'|',9X,'|',7X,'GAINS',7X,'|',9X,'REMAIN IN SERVICE',13X,'|',      LOS02040
                    311X,'LOSSES TO SERVICE'/,                                            LOS02050
                    43X,'|',9X,'|   TO    !   OTHR  !   XFER  |   XFER  |  REMAIN | PROLOS02060
                    5MOTE |',33X,'TOTAL'/,                                              LOS02070
                    6   'YOS|STRENGTH | SERVICE |  CATGRY |   OTHR  |   OPGM  |  GRADE LOS02080
                    7 |   OUT   |   RETIRE | ATTRITE |  DEATH  |  LOSSES'/,113('='))  LOS02090
0146            8621 FORMAT(1X,I2,2X,F8.0,10(3X,F7.0))                                    LOS02100
0147            8631 FORMAT(113('=')/,'TOT->',F8.0,10(3X,F7.0))                           LOS02110
0148                 GO TO 999                                                            LOS02120
                C                                                                        LOS02130
                C*****INPUT ERROR AND END OF FILE ROUTINES*****************************  LOS02140
                C                                                                        LOS02150
0149             910 WRITE (6,2700) KOUNT                                                LOS02160
0150                 GO TO 999                                                           LOS02170
0151             920 NGRADE = GRADE - 1                                                  LOS02180
0152                 GO TO 991                                                           LOS02190
0153             930 WRITE (6,2900)                                                      LOS02200
0154                 GO TO 50                                                            LOS02210
0155             950 WRITE (6,2920)                                                      LOS02220
0156                 GO TO 50                                                            LOS02230
0157             991 CONTINUE                                                            LOS02240
0158                 WRITE(6,902) NGRADE                                                 LOS02250
0159             902 FORMAT(' YOU HAVE READ IN DATA FOR ',I2,' PAYGRADES.')              LOS02260
0160                 GO TO 901                                                           LOS02270
0161             999 STOP                                                                LOS02280
0162                 END                                                                 LOS02290
```

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	1A0	IDFIO#	1A4	DAYTIM	1A8	AMAX1	1AC		

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
YES	1D0	NO	1D4	I	1D8	J	1DC	KOUNT	1E0
INFILE	1E4	TODISK	1E8	FIRST	1EC	LAST	1F0	MONTH	1F4
DAY	1F8	YEAR	1FC	HOUR	200	MIN	204	SEC	208
GRADE	20C	TDEATH	210	TOTRET	214	TOTATT	218	TOTLOS	21C
TRNOVR	220	SUMA-	224	TOTAL	228	NGRADE	22C		

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	230	SUMNUM	5FB4	RNUM	6A18	FORM2	747C	TITLE1	7968
TITLE2	7A6C	LABEL1	7B70	LABEL2	7D78	CSUM	806C	RSUM	8088
COLSUM	8144	AVGYOS	8190	RETIRE	821C	ATTRIT	82A8	ALOSS	8334
DEATH	83C0								

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
1025	8450	1050	8456	1100	845C	1200	8470	1998	8479
2700	8493	2900	84ED	2920	8560	3000	85B8	3100	85BE
8611	85C6	8621	8715	8631	8728	902	8743		

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
008890	8		0088A4	9		008886	10	
0088C2	11		0088CA	12	10	0088E2	13	
0088F0	14		0088FC	15	20	008914	16	30
008934	17		008940	18		008948	19	
008950	21	50	00897C	22		008986	23	
0089B0	24		0089E8	25		008A0C	26	
008A30	27		008A40	28		008A90	29	100
008AAC	30		008ACC	31		008ADC	32	
008B2C	33	200	008B48	34		008B5C	35	
008B68	36		008B76	37		008B80	38	
008B8C	39	300	008BA8	40	400	008BC8	41	
008BD6	42		008BE6	43		008BF2	44	
008BFC	45		008C0E	46		008C22	47	600
008C3E	48	700	008C5A	49		008C68	50	
008C76	51		008C88	52		008C98	53	6000
008C84	54	6100	008CD0	55		008CE2	56	
008CEA	57		008CF6	58		008CFE	59	
008D08	60		008D1A	61		008D26	62	6200
008D42	63		005D50	64		008D60	65	6300
008D78	66	6400	008D98	67		008DAC	68	
008DB8	69		008DC2	70		008DCE	71	6500
008DEA	72	6600	008E0A	73	6750	008E1A	74	
008E28	75		008E34	76	6800	008E50	77	6900
008E6C	78	900	008EC4	79	901	008ED0	80	
008ED8	81		008EE0	82		008EE8	83	
008EFC	84		008F0C	85		008F14	86	
008F20	87		008F2C	88		008F3A	89	
008F52	90		008F5E	91	6910	008F76	92	
008F8A	93		008F94	94		008FA0	95	
008FAC	96	6920	008FC8	97		008FD4	98	
008FE0	99		008FF4	100	6930	00900C	101	
009020	102		00902C	103		009036	104	
009042	105	7000	00905E	106	7100	00907E	107	
00908A	108		009092	109		00909A	110	
0090AA	111		0090B6	112		0090C0	113	
0090CC	114	8000	0090E8	115	8100	009108	116	
00911C	117		009128	118		009130	119	
00913A	120		009146	121	8200	009162	122	
00918E	123		00919A	124		0091A8	125	
0091B8	126		0091D2	127	8300	0091F2	128	
009214	129		009230	130		0092D8	131	8601
0092F0	132		00938C	133		0093B8	148	8701
0093BE	149	910	0093DC	150		0093E2	151	920
0093F2	152		0093F8	153	930	00940C	154	
009412	155	950	009428	156		00942E	158	991

```
00944C      160                              009452      161       999
 *OPTIONS IN EFFECT*   TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
 *OPTIONS IN EFFECT*   NAME = MAIN     , LINECNT =       50
 *STATISTICS*     SOURCE STATEMENTS =       162,PROGRAM SIZE =     37984
 *STATISTICS*   NO DIAGNOSTICS GENERATED
```

Attachment 4b(2a) to Appendix J
Sample Output from LOSSDATA

ACCESSION, REMAIN IN SERVICE AND LOSS TABLE
ARMY CURRENT OBJ ENLISTED

YOS	STRENGTH	GAINS TO SERVICE	GAINS OTHR CATGRY	REMAIN IN SERVICE XFER OTHR	REMAIN IN SERVICE XFER OPGM	REMAIN IN SERVICE REMAIN GRADE	PROMOTE OUT	LOSSES TO SERVICE RETIRE	LOSSES TO SERVICE ATTRITE	LOSSES TO SERVICE DEATH	TOTAL LOSSES
1	132314.	132314.	0.	0.	26.	67758.	47739.	93.	16632.	66.	16791.
2	115497.	0.	0.	0.	94.	62444.	44051.	137.	8606.	165.	8907.
3	106496.	0.	0.	0.	37.	32924.	18880.	801.	53397.	455.	54654.
4	51805.	0.	0.	0.	51.	23228.	8326.	119.	20042.	39.	20200.
5	31354.	0.	0.	0.	51.	22862.	5447.	31.	3140.	23.	3194.
6	28309.	0.	0.	0.	66.	22221.	2630.	80.	3262.	51.	3393.
7	24851.	0.	0.	0.	87.	16139.	5936.	34.	2633.	22.	2689.
8	22075.	0.	0.	0.	97.	13848.	5242.	81.	2779.	28.	2888.
9	19090.	0.	0.	0.	90.	14390.	2351.	61.	2165.	33.	2259.
10	16741.	0.	0.	0.	132.	13088.	1170.	41.	2287.	23.	2351.
11	14258.	0.	0.	0.	85.	11099.	1976.	78.	984.	37.	1098.
12	13075.	0.	0.	0.	82.	10499.	1776.	35.	656.	27.	718.
13	12275.	0.	0.	0.	74.	8786.	2586.	87.	722.	20.	829.
14	11372.	0.	0.	0.	93.	9670.	1225.	52.	318.	14.	384.
15	10895.	0.	0.	0.	40.	9591.	897.	65.	288.	14.	368.
16	10488.	0.	0.	0.	37.	9399.	776.	60.	198.	18.	277.
17	10174.	0.	0.	0.	19.	9225.	675.	64.	159.	32.	254.
18	9900.	0.	0.	0.	9.	8521.	1056.	76.	175.	62.	313.
19	9577.	0.	0.	0.	4.	8395.	822.	103.	227.	26.	356.
20	9218.	0.	0.	0.	0.	4559.	972.	3681.	0.	6.	3687.
21	5532.	0.	0.	0.	0.	2772.	654.	2105.	0.	2.	2107.
22	3425.	0.	0.	0.	0.	2265.	289.	869.	0.	2.	871.
23	2554.	0.	0.	0.	0.	1275.	393.	882.	0.	4.	886.
24	1668.	0.	0.	0.	0.	964.	203.	497.	0.	4.	501.
25	1167.	0.	0.	0.	0.	940.	94.	133.	0.	0.	133.
26	1034.	0.	0.	0.	0.	675.	62.	287.	0.	10.	297.
27	737.	0.	0.	0.	0.	512.	36.	189.	0.	0.	189.
28	548.	0.	0.	0.	0.	404.	8.	135.	0.	1.	136.
29	412.	0.	0.	0.	0.	319.	4.	89.	0.	0.	89.
30	323.	0.	0.	0.	0.	10.	0.	312.	0.	1.	313.
31	10.	0.	0.	0.	0.	9.	0.	1.	0.	0.	1.
32	9.	0.	0.	0.	0.	8.	0.	1.	0.	0.	1.
33	8.	0.	0.	0.	0.	7.	0.	1.	0.	0.	1.
34	7.	0.	0.	0.	0.	6.	0.	1.	0.	0.	1.
35	6.	0.	0.	0.	0.	0.	0.	6.	0.	0.	6.
TOT->	677402.	132314.	0.	0.	1176.	389811.	156275.	11288.	118668.	1184.	131140.

RUN DATE: 1/10/84

Attachment 4c(1) to Appendix J
AGGFORM3 EXEC

```
#57
&CONTROL OFF NOMSG
&IF &$ EQ DEBUG &CONTROL ALL
&IF &INDEX = 1 &IF &1 = ?    &GOTO -TELL
&IF &INDEX = 1 &IF &1 = HELP &GOTO -TELL
 DISPCL
 EXEC CLRSTAK
 GLOBAL TXTLIB FORTMOD1
&GOTO -START
-TELL DISPCL
&BEGTYPE
+-------------------------------------------------+
+*AGGFORM3 RUNS THE AGGFORT  FORTRAN PROGRAM.      +
+ IT CREATES A TOTAL SEVICE FORMAT THREE FROM     +
+ THE CONCATENATED FILE OF FORMAT THREES BY       +
+ OCCUPATION GROUPS.                              +
+ I.E. THE NINE OCCGROUPS OF ACE09CAT ARE         +
+ AGGREGATED INTO ACE10CAT.                       +
+                                                 +
+*TERMINAL INPUT RESPONSES TO THE FORTRAN         +
+ PROGRAM ARE HARD WIRED IN &STACK COMMD:         +
+ => &OCCGRP = # OF OCCGRPS IN THE FILE           +
+ => &NGRADE = # OF GRADES IN THE FILE            +
+                                                 +
+* CMS COMMANDS:                                  +
+  - LINK TO USERID FILE MODE = B                 +
+  - INPUT  FILE 10 = &FNAME &FTYPE B (LRECL 80   +
+  - OUTPUT FILE 20 = &FNOUT &FTYPE A (LRECL 80   +
+                                                 +
+            R. SCHREIBER     26JUL83             +
+-------------------------------------------------+
&END
&TYPE DO YOU WISH TO CONTINUE ? (YES|NO)
&READ VARS &RESPONSE
&RESPONSE = &SUBSTR &RESPONSE 1 1
&IF &RESPONSE NE Y &EXIT
-START &TYPE ENTER USERID WHERE FLOW DYNAMIC DATA EXISTS (8 CHAR MAX)
&READ VARS &ID
 EXEC LINKUPB &ID
&IF &RETCODE NE 0 &GOTO -ERR01
-RESTART DISPCL
&SPACE 2
&BEGTYPE
ENTER FILENAME OF DATA SET TO AGGREGATE (EG. ACE09CAT)
&END
&READ VARS &FNAME
&SPACE 2
&BEGTYPE
ENTER FILETYPE OF DATA SET TO AGGRGATE (EG. FILEBILD)
&END
&READ VARS &FTYPE
 STATE &FNAME &FTYPE B
&IF &RETCODE NE 0 &GOTO -ERR02
&SRVC   = &SUBSTR &FNAME 1 1
```

```
&FORCE  = &SUBSTR &FNAME 2 1
&POP    = &SUBSTR &FNAME 3 1
&OCCODE = &SUBSTR &FNAME 4 2
&TAIL   = &SUBSTR &FNAME 6 3
&IF &POP  EQ E &FNOUT = &CONCAT &SRVC &FORCE &POP 10 &TAIL
&IF &POP  EQ O &FNOUT = &CONCAT &SRVC &FORCE &POP 14 &TAIL
&IF &SRVC EQ D &FNOUT = &CONCAT &SRVC &FORCE &POP 01 &TAIL
&IF &POP  EQ E &NGRADE = 9
&IF &POP  EQ O &NGRADE = 6
FILEDEF 02 PRINTER (RECFM FA LRECL 132 BLKSIZE 133 PERM
FILEDEF 05 TERMINAL
FILEDEF 10 DISK &FNAME &FTYPE B (LRECL 80 RECFM FB BLKSIZE 800
FILEDEF 20 DISK &FNOUT &FTYPE A (LRECL 80 RECFM FB BLKSIZE 800
&STACK &OCCODE
&STACK &NGRADE
 AGGMOD
&SPACE 2
 EXEC CLRSTAK
&TYPE FILE &FNOUT &FTYPE HAS BEEN CREATED ON YOUR A-DISK.
&TYPE DO YOU WANT TO RUN ANOTHER FILE ? (YES|NO).
&READ VARS &ANS2
&ANS2 = &SUBSTR &ANS2 1 1
&IF &ANS2 EQ N &GOTO -QUIT
&GOTO -RESTART
-QUIT &CONTINUE
 REL B ( DET
&BEGTYPE
PROGRAM TERMINATED...
&END
&EXIT
*** ERROR MESSAGES ***
-ERRO1 &TYPE USERID &ID IS NOT CORRECT
&GOTO -START
-ERRO2 &TYPE FILE &FNAME &FTYPE DOES NOT LIVE ON &ID 'S B-DISK
&GOTO -QUIT
```

Attachment 4c(2) to Appendix J
AGGFORT Program Listing

```
                C++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++C  AGG00010
                C                ** CREATE AGGREGATE FORMAT 3 **                               C  AGG00020
                C                        BY SERVICE                                            C  AGG00030
                C PROGRAM TO READ FORMAT 3 DATA BY OCCGRP, CONVERT THE LOSS RATES              C  AGG00040
                C INTO STRENGTHS, ADD THE STRENGTHS BY GRADE FOR EACH OCCGRP, AND              C  AGG00050
                C THEN COMPUTE AN AGGRGATE FORMAT 3 LOSS RATE TABLE BY GRADE.                  C  AGG00060
                C      I = LENGTH OF SERVICE                                                   C  AGG00070
                C      J = FORMAT 3 COLUMN NUMBER                                              C  AGG00080
                C      K = PAY GRADE                                                           C  AGG00090
                C      L = OCCUPATIONAL GROUP                                                  C  AGG00100
                C *NOTE:                                                                       C  AGG00110
                C      EXEC 'AGGFORM3' IS USED TO INITIATE THIS PROGRAM.                       C  AGG00120
                C      MODULE 'AGGMOD' IS CALLED BY THE EXEC.                                  C  AGG00130
                C                                                                              C  AGG00140
                C VERSION: 1.0        BY: R. SCHREIBER          DATE: 19JUL83                  C  AGG00150
                C++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++C  AGG00160
0001                      INTEGER OCCODE,OCCGRP,OUTPUT                                         AGG00170
0002                      DIMENSION FILE(35,18,9), SUM(35,18,9)                                AGG00180
0003                      DIMENSION TITLE1(65), TITLE2(65), LABEL1(130), LABEL2(189)           AGG00190
0004                      DATA SUM/5670*0.0/                                                   AGG00200
0005                      KOUNT = 0                                                            AGG00210
0006                      INFILE = 10                                                          AGG00220
0007                      OUTPUT = 20                                                          AGG00230
                C                                                                              AGG00240
                C---  READ NUMBER OF OCCUPATIONAL GROUPS, GRADES FROM TERM'L STACK-----       AGG00250
                C                                                                              AGG00260
0008                      READ (5,*) OCCODE,NGRADE                                             AGG00270
0009                      DO 400 L = 1,OCCODE                                                  AGG00280
0010                         READ (INFILE,1050) TITLE1                                         AGG00290
0011                         KOUNT = KOUNT + 1                                                 AGG00300
                C                                                                              AGG00310
                C-----READ THE DATA FROM THE FILE, PROCESS A GRADE AT A TIME-----------       AGG00320
                C                                                                              AGG00330
0012                         DO 300 K = 1,NGRADE                                               AGG00340
0013                            READ (INFILE,1050) TITLE2                                      AGG00350
0014                            READ (INFILE,3000) LABEL1                                      AGG00360
0015                            KOUNT = KOUNT + 3                                              AGG00370
0016                            DO 100 I = 1,35                                                AGG00380
0017                               READ (INFILE,1100) (FILE(I,J,K), J = 1,9)                   AGG00390
0018                               KOUNT = KOUNT + 1                                           AGG00400
0019                               DO 75 J = 1,6                                               AGG00410
0020                                  IF(J .EQ. 5) GO TO 75                                    AGG00420
0021                                  SUM(I,J,K) = SUM(I,J,K) + FILE(I,J,K)                    AGG00430
0022                     75        CONTINUE                                                    AGG00440
0023                               DO 85 J = 5,9                                               AGG00450
0024                                  IF(J .EQ. 6) GO TO 85                                    AGG00460
0025                                  SUM(I,J,K) = SUM(I,J,K) + (FILE(I,J,K) * FILE(I,1,K))   AGG00470
0026                     85        CONTINUE                                                    AGG00480
```

```
0027          100      CONTINUE                                                    AGG00490
0028                   READ (INFILE,3100) LABEL2                                   AGG00500
0029                   KOUNT = KOUNT + 3                                           AGG00510
0030                   DO 200 I = 1,35                                             AGG00520
0031                      READ (INFILE,1200)  (FILE(I,J,K),J = 10,18)              AGG00530
0032                      KOUNT = KOUNT + 1                                        AGG00540
0033                      DO 150 J = 10,18                                         AGG00550
0034                         SUM(I,J,K) = SUM(I,J,K) + (FILE(I,J,K) * FILE(I,1,K)) AGG00560
0035          150         CONTINUE                                                 AGG00570
0036          200      CONTINUE                                                    AGG00580
0037          300   CONTINUE                                                       AGG00590
0038          400 CONTINUE                                                        AGG00600
                C                                                                 AGG00610
                C---- CREATE NEW FORMAT 3 LOSS RATE TABLE (LOSS STREN / LOS MANPWR) AGG00620
                C                                                                 AGG00630
0039                 DO 500 K = 1,NGRADE                                          AGG00640
0040                    DO 475 I = 1,35                                           AGG00650
0041                       DO 425 J = 1,6                                         AGG00660
0042                          IF(J .EQ. 5) GO TO 425                              AGG00670
0043                          FILE(I,J,K) = SUM(I,J,K)                            AGG00680
0044          425          CONTINUE                                               AGG00690
0045                       DO 450 J = 5,18                                        AGG00700
0046                          IF((J .EQ. 6) .OR. (SUM(I,1,K) .LT. 1.0)) GO TO 450 AGG00710
0047                          FILE(I,J,K) = SUM(I,J,K) / SUM(I,1,K)               AGG00720
0048          450          CONTINUE                                               AGG00730
0049          475       CONTINUE                                                  AGG00740
0050          500 CONTINUE                                                        AGG00750
                C                                                                 AGG00760
                C---- WRITE THE NEW FORMAT 3 TO DISK ------------------------------AGG00770
                C                                                                 AGG00780
0051                 WRITE(OUTPUT,1050) (TITLE1(N),N = 1,26)                      AGG00790
0052                 DO 600 K = 1,NGRADE                                          AGG00800
0053                    WRITE(OUTPUT,2000) (TITLE1(N),N = 1,26),K                 AGG00810
0054                    WRITE(OUTPUT,3000) (LABEL1(N),N = 1,65)                   AGG00820
0055                    WRITE(OUTPUT,3000) (LABEL1(N),N = 66,130)                 AGG00830
0056                    DO 550 I = 1,35                                           AGG00840
0057                       WRITE(OUTPUT,2100) I,(FILE(I,J,K),J = 1,9)             AGG00850
0058          550       CONTINUE                                                  AGG00860
0059                    WRITE(OUTPUT,3100) (LABEL2(N),N = 1,63)                   AGG00870
0060                    WRITE(OUTPUT,3100) (LABEL2(N),N = 64,126)                 AGG00880
0061                    WRITE(OUTPUT,3100) (LABEL2(N),N = 127,189)                AGG00890
0062                    DO 575 I = 1,35                                           AGG00900
0063                       WRITE(OUTPUT,2200) I, (FILE(I,J,K),J = 10,18)          AGG00910
0064          575       CONTINUE                                                  AGG00920
0065          600 CONTINUE                                                        AGG00930
0066                 CALL DISPCL                                                  AGG00940
0067                 WRITE(5,5000) KOUNT                                          AGG00950
                C                                                                 AGG00960
```

```
                C---- READ FORMAT STATEMENTS ------------------------------------------ AGG00970
                C                                                                       AGG00980
0068             1050 FORMAT(65A1)                                                      AGG00990
0069             1100 FORMAT(2X,4F7.0,F7.4,F7.0,3F7.4)                                  AGG01000
0070             1200 FORMAT(2X,9F7.4)                                                  AGG01010
                C                                                                       AGG01020
                C---- WRITE FORMAT STATEMENTS ------------------------------------------ AGG01030
                C                                                                       AGG01040
0071             2000 FORMAT(26A1,'  PAY GRADE ',I1)                                    AGG01050
0072             2100 FORMAT(I2,4F7.0,F7.4,F7.0,3F7.4)                                  AGG01060
0073             2200 FORMAT(I2,9F7.4)                                                  AGG01070
0074             3000 FORMAT(65A1)                                                      AGG01080
0075             3100 FORMAT(2X,63A1)                                                   AGG01090
0076             5000 FORMAT(1X,I6,' RECORDS HAVE BEEN READ.')                          AGG01100
0077              999 STOP                                                              AGG01110
0078                  END                                                               AGG01120
```

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	12C	LDFIO#	130	DISPCL	134				

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
KOUNT	138	INFILE	13C	OUTPUT	140	OCCODE	144	NGRADE	148
L	14C	K	150	I	154	J	158	N	15C

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FILE	160	SUM	59F8	TITLE1	B290	TITLE2	B394	LABEL1	B498
LABEL2	B6A0								

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
1050	B998	1100	B99E	1200	B9B2	2000	B9BB	2100	B9D1
2200	B9E5	3000	B9EE	3100	B9F4	5000	B9FC		

STATEMENT LABEL MAP

LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
00BAD4	5		00BAE0	6		00BAE8	7	
00BAF0	8		00BB14	9		00BB1C	10	
00BB3C	11		00BB4C	12		00BB64	13	
00BB84	14		00BBA4	15		00BBB4	16	
00BBC4	17		00BC14	18		00BC24	19	
00BC32	20		00BC44	21		00BC50	22	75
00BC6C	23		00BC7E	24		00BC90	25	
00BCA0	26	85	00BCBC	27	100	00BCDC	28	
00BCFC	29		00BD0C	30		00BD1C	31	
00BD6C	32		00BD7C	33		00BD8A	34	
00BD9A	35	150	00BDB6	36	200	00BDD6	37	300
00BE06	38	400	00BE1A	39		00BE2E	40	
00BE42	41		00BE54	42		00BE66	43	
00BE6E	44	425	00BE8A	45		00BE9C	46	
00BED2	47		00BEDE	48	450	00BEFA	49	475
00BF16	50	500	00BF3A	51		00BF88	52	
00BF98	53		00BFEC	54		00C034	55	
00C07C	56		00C08A	57		00C0E4	58	550
00C100	59		00C148	60		00C190	61	
00C1D8	62		00C1E6	63		00C240	64	575
00C25C	65	600	00C278	66		00C282	67	
00C2A0	77	999						

OPTIONS IN EFFECT TERM,NOID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,MAP,NOTEST
OPTIONS IN EFFECT NAME = MAIN , LINECNT = 50
STATISTICS SOURCE STATEMENTS = 78,PROGRAM SIZE = 49838
STATISTICS NO DIAGNOSTICS GENERATED

APPENDIX K
FORCE REQUIREMENTS

COL CARL F. REIBER, USA

FORCE REQUIREMENTS

The attached tables reflect the current objective and baseline steady-state force structures that were submitted by each of the Uniformed Services. The data are displayed by total force, total force losses, and flow reconciliation for each of the personnel communities (commissioned officer, officer, warrant officer, and enlisted personnel). The total force display depicts the configuration of each individual community by grade and year of service. Total force losses explain the losses by year of service and the reason for the loss. The flow reconciliation display depicts both the gains and the losses by year of service, by grade and by reason the reason for the loss.

ARMY CURRENT OBJ OFFICERS--12 CATEGORIES (REVISED 23 MAY)

FILENAME= ACO12CAT CURRENT DATE= 12/16/83 TIME= 14:55:28

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	7734.	0.	6738.	31.	964.	0.	0.	0.	0.	0.	0.	0.	7734.	174.	0.0225	0.9775	1.0000
2	24.	0.	5923.	672.	988.	0.	0.	0.	0.	0.	0.	0.	7583.	335.	0.0442	0.9558	0.9775
3	30.	0.	0.	6318.	956.	4.	0.	0.	0.	0.	0.	0.	7278.	708.	0.0973	0.9027	0.9342
4	35.	0.	0.	5113.	1470.	21.	0.	0.	0.	0.	0.	0.	6604.	876.	0.1326	0.8674	0.8433
5	23.	0.	0.	218.	5461.	72.	1.	0.	0.	0.	0.	0.	5752.	813.	0.1413	0.8587	0.7315
6	15.	0.	0.	0.	4712.	240.	2.	0.	0.	0.	0.	0.	4954.	490.	0.0990	0.9010	0.6281
7	18.	0.	0.	0.	4219.	255.	7.	1.	0.	0.	0.	0.	4482.	424.	0.0946	0.9054	0.5659
8	18.	0.	0.	0.	3766.	297.	11.	1.	0.	0.	0.	0.	4076.	276.	0.0677	0.9323	0.5124
9	17.	0.	0.	0.	3521.	268.	23.	4.	0.	0.	0.	0.	3817.	137.	0.0360	0.9640	0.4777
10	17.	0.	0.	0.	3305.	325.	53.	4.	0.	0.	0.	0.	3696.	193.	0.0522	0.9478	0.4605
11	20.	0.	0.	0.	1972.	1460.	87.	4.	0.	0.	0.	0.	3523.	329.	0.0932	0.9068	0.4365
12	11.	0.	0.	0.	537.	2524.	141.	4.	0.	0.	0.	0.	3206.	241.	0.0752	0.9248	0.3958
13	7.	0.	0.	0.	223.	2600.	142.	8.	0.	0.	0.	0.	2972.	160.	0.0540	0.9460	0.3660
14	9.	0.	0.	0.	54.	2606.	138.	24.	0.	0.	0.	0.	2831.	166.	0.0589	0.9411	0.3463
15	2.	0.	0.	0.	0.	2431.	196.	30.	0.	0.	0.	0.	2657.	282.	0.1063	0.8937	0.3259
16	2.	0.	0.	0.	0.	1898.	430.	48.	0.	0.	0.	0.	2376.	112.	0.0471	0.9529	0.2912
17	2.	0.	0.	0.	0.	625.	1583.	58.	0.	0.	0.	0.	2266.	133.	0.0586	0.9414	0.2775
18	2.	0.	0.	0.	0.	322.	1718.	96.	0.	0.	0.	0.	2135.	111.	0.0519	0.9481	0.2613
19	0.	0.	0.	0.	0.	273.	1659.	92.	0.	0.	0.	0.	2024.	123.	0.0606	0.9394	0.2477
20	0.	0.	0.	0.	0.	212.	1583.	107.	0.	0.	0.	0.	1902.	468.	0.2463	0.7537	0.2327
21	0.	0.	0.	0.	0.	0.	1141.	292.	0.	0.	0.	0.	1433.	275.	0.1920	0.8080	0.1754
22	0.	0.	0.	0.	0.	0.	664.	494.	0.	0.	0.	0.	1158.	196.	0.1696	0.8304	0.1417
23	0.	0.	0.	0.	0.	0.	381.	581.	0.	0.	0.	0.	962.	127.	0.1317	0.8683	0.1177
24	0.	0.	0.	0.	0.	0.	220.	615.	0.	0.	0.	0.	835.	137.	0.1641	0.8359	0.1022
25	0.	0.	0.	0.	0.	0.	152.	546.	0.	0.	0.	0.	698.	107.	0.1535	0.8465	0.0854
26	0.	0.	0.	0.	0.	0.	109.	482.	0.	0.	0.	0.	591.	102.	0.1721	0.8279	0.0723
27	0.	0.	0.	0.	0.	0.	81.	408.	0.	0.	0.	0.	489.	87.	0.1786	0.8214	0.0598
28	0.	0.	0.	0.	0.	0.	60.	342.	0.	0.	0.	0.	402.	139.	0.3471	0.6529	0.0492
29	0.	0.	0.	0.	0.	0.	3.	259.	0.	0.	0.	0.	262.	79.	0.3023	0.6977	0.0321
30	0.	0.	0.	0.	0.	0.	0.	183.	0.	0.	0.	0.	183.	181.	0.9911	0.0089	0.0224
31	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	1.	0.	0.2500	0.7500	0.0002
32	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	1.	1.	1.0000	0.0	0.0001
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	7986.	0.	12662.	12352.	32149.	16434.	10591.	4684.	0.	0.	0.	0.	88872.	7985.	0.0898	0.9102	11.1298
AVERAGE YOS			0.97	2.89	6.45	12.95	18.51	23.71	0.0	0.0	0.0	0.0	8.72				
PRODUCTIVITY			1481.	7380.	29598.	16427.	10591.	4684.	0.	0.	0.	0.	70161.				

ARMY CURRENT OBJ OFFICERS--12 CATEGORIES (REVISED 23 MAY)

FILENAME= AC012CAT CURRENT DATE= 12/16/83 TIME= 14:55:29

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	10.	2.	0.	0.	0.	7.	5.	58.	92.	0.	174.
2	0.	0.	19.	13.	0.	0.	0.	18.	24.	156.	106.	0.	335.
3	0.	0.	20.	9.	0.	0.	0.	19.	46.	478.	136.	0.	708.
4	0.	0.	2.	6.	0.	1.	0.	3.	11.	772.	82.	0.	876.
5	0.	0.	12.	14.	0.	0.	0.	1.	79.	669.	38.	0.	813.
6	0.	0.	4.	4.	0.	1.	0.	1.	3.	463.	14.	0.	490.
7	0.	0.	6.	4.	0.	3.	0.	2.	2.	388.	19.	0.	424.
8	0.	0.	4.	3.	0.	2.	0.	0.	0.	237.	31.	0.	276.
9	0.	0.	0.	2.	0.	0.	0.	1.	3.	121.	10.	0.	137.
10	0.	0.	3.	4.	0.	1.	0.	2.	8.	160.	14.	0.	193.
11	0.	0.	2.	3.	0.	42.	0.	3.	69.	171.	38.	0.	329.
12	0.	0.	3.	3.	0.	36.	0.	1.	24.	106.	68.	0.	241.
13	0.	0.	4.	4.	0.	61.	0.	1.	9.	70.	13.	0.	160.
14	0.	0.	6.	2.	0.	69.	0.	1.	20.	51.	17.	0.	166.
15	0.	0.	4.	10.	0.	130.	0.	3.	16.	57.	61.	0.	282.
16	0.	0.	5.	4.	0.	58.	0.	2.	15.	18.	11.	0.	112.
17	0.	0.	2.	5.	0.	78.	0.	1.	4.	20.	23.	0.	133.
18	0.	0.	3.	6.	0.	64.	0.	2.	2.	22.	12.	0.	111.
19	0.	0.	2.	3.	0.	91.	0.	1.	7.	12.	6.	0.	123.
20	0.	0.	7.	16.	18.	407.	12.	0.	0.	5.	4.	0.	468.
21	0.	0.	2.	4.	6.	255.	4.	0.	0.	1.	0.	4.	275.
22	0.	0.	1.	6.	1.	160.	16.	0.	0.	1.	0.	11.	196.
23	0.	0.	1.	4.	2.	97.	2.	0.	0.	1.	0.	19.	127.
24	0.	0.	5.	3.	11.	106.	2.	0.	0.	1.	0.	10.	137.
25	0.	0.	2.	1.	2.	95.	1.	0.	0.	0.	0.	6.	107.
26	0.	0.	2.	5.	0.	91.	3.	0.	0.	0.	0.	1.	102.
27	0.	0.	2.	4.	2.	79.	0.	0.	0.	0.	0.	1.	87.
28	0.	0.	1.	5.	3.	127.	1.	0.	0.	0.	0.	1.	139.
29	0.	0.	1.	4.	2.	63.	9.	0.	0.	0.	0.	1.	79.
30	0.	0.	0.	4.	17.	106.	51.	0.	0.	1.	0.	1.	181.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	0.	134.	158.	66.	2224.	103.	68.	346.	4039.	794.	55.	7985.
RETIRED POPULATION				6271.	1988.	71691.	2946.						82891.
					|----(	76620.	)----|					

App K-2

ARMY CURRENT OBJ OFFICERS--12 CATEGORIES (REVISED 23 MAY)

FILENAME= ACO12CAT CURRENT DATE= 12/16/83 TIME= 14:55:30

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	12662.	12352.	32149.	16434.	10591.	4684.	0.	0.	0.	0.	88873.
****LOSSES****											
PROM-OUT	6349.	4931.	3077.	1934.	759.	55.	0.	0.	0.	0.	17106.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	28.	22.	33.	20.	18.	12.	0.	0.	0.	0.	134.
LOSS:RET-DIS	14.	15.	38.	27.	39.	25.	0.	0.	0.	0.	158.
LOSS:RET-FC	0.	0.	0.	13.	8.	44.	0.	0.	0.	0.	66.
LOSS:RET-VOL	0.	1.	81.	612.	995.	535.	0.	0.	0.	0.	2224.
LOSS:RET-INV	0.	0.	0.	13.	27.	63.	0.	0.	0.	0.	103.
LOSS:OTH-DIS	24.	21.	11.	7.	4.	2.	0.	0.	0.	0.	68.
LOSS:OTH-FC	5.	52.	240.	37.	12.	0.	0.	0.	0.	0.	346.
LOSS:OTH-VOL	150.	1154.	2229.	381.	99.	27.	0.	0.	0.	0.	4039.
LOSS:OTH-INV	180.	210.	252.	131.	15.	5.	0.	0.	0.	0.	794.
TOTAL LOSSES	6750.	6405.	5960.	3174.	1977.	769.	0.	0.	0.	0.	25036.
****GAINS****											
GAINS TO	6750.	56.	1029.	97.	43.	10.	0.	0.	0.	0.	7986.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	6349.	4931.	3077.	1934.	759.	0.	0.	0.	0.	17051.
TOTAL GAINS	6750.	6406.	5960.	3174.	1977.	769.	0.	0.	0.	0.	25036.
END STRENGTH	12662.	12352.	32149.	16434.	10591.	4685.	0.	0.	0.	0.	88874.

NAVY OFFICER CURRENT STEADY STATE (DOPMA REV 2)

FILENAME= NCOT3CAT CURRENT DATE= 12/16/83 TIME= 14:55:49

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL LOSSES	LOSS	RETN	CONT
1	4658.	0.	4653.	5.	0.	0.	0.	0.	0.	0.	0.	0.	4658.	307.	0.0660	0.9340	1.0000
2	2.	153.	4347.	5.	0.	0.	0.	0.	0.	0.	0.	0.	4352.	45.	0.0103	0.9897	0.9340
3	33.	110.	0.	4340.	0.	0.	0.	0.	0.	0.	0.	0.	4340.	143.	0.0329	0.9671	0.9244
4	52.	233.	0.	4248.	0.	0.	0.	0.	0.	0.	0.	0.	4248.	468.	0.1101	0.8899	0.8941
5	531.	37.	0.	0.	4311.	0.	0.	0.	0.	0.	0.	0.	4311.	462.	0.1072	0.8928	0.7956
6	33.	93.	0.	0.	3882.	0.	0.	0.	0.	0.	0.	0.	3882.	473.	0.1218	0.8782	0.7103
7	0.	21.	0.	0.	3409.	0.	0.	0.	0.	0.	0.	0.	3409.	362.	0.1062	0.8938	0.6238
8	2.	17.	0.	0.	3044.	5.	0.	0.	0.	0.	0.	0.	3049.	241.	0.0791	0.9209	0.5576
9	25.	7.	0.	0.	2726.	105.	0.	0.	0.	0.	0.	0.	2831.	246.	0.0868	0.9132	0.5134
10	182.	4.	0.	0.	2192.	575.	0.	0.	0.	0.	0.	0.	2768.	288.	0.1041	0.8959	0.4689
11	71.	0.	0.	0.	853.	1697.	0.	0.	0.	0.	0.	0.	2551.	206.	0.0809	0.9191	0.4200
12	52.	0.	0.	0.	642.	1754.	0.	0.	0.	0.	0.	0.	2396.	415.	0.1732	0.8268	0.3861
13	0.	4.	0.	0.	203.	1778.	0.	0.	0.	0.	0.	0.	1981.	196.	0.0987	0.9013	0.3192
14	21.	4.	0.	0.	51.	1739.	17.	0.	0.	0.	0.	0.	1807.	112.	0.0621	0.9379	0.2877
15	37.	3.	0.	0.	0.	1633.	98.	0.	0.	0.	0.	0.	1732.	64.	0.0368	0.9632	0.2698
16	34.	3.	0.	0.	0.	1046.	657.	0.	0.	0.	0.	0.	1703.	84.	0.0492	0.9508	0.2599
17	42.	18.	0.	0.	0.	592.	1069.	0.	0.	0.	0.	0.	1661.	92.	0.0555	0.9445	0.2471
18	13.	12.	0.	0.	0.	459.	1124.	0.	0.	0.	0.	0.	1582.	99.	0.0626	0.9374	0.2334
19	3.	14.	0.	0.	0.	405.	1080.	3.	0.	0.	0.	0.	1488.	122.	0.0819	0.9181	0.2188
20	6.	0.	0.	0.	0.	339.	968.	65.	0.	0.	0.	0.	1372.	284.	0.2070	0.7930	0.2009
21	0.	0.	0.	0.	0.	133.	869.	86.	0.	0.	0.	0.	1088.	112.	0.1026	0.8974	0.1593
22	0.	0.	0.	0.	0.	80.	471.	425.	0.	0.	0.	0.	976.	145.	0.1489	0.8511	0.1430
23	0.	0.	0.	0.	0.	64.	357.	410.	0.	0.	0.	0.	831.	112.	0.1350	0.8650	0.1217
24	0.	0.	0.	0.	0.	52.	271.	396.	0.	0.	0.	0.	719.	113.	0.1576	0.8424	0.1052
25	0.	0.	0.	0.	0.	33.	212.	360.	0.	0.	0.	0.	606.	107.	0.1771	0.8229	0.0887
26	0.	0.	0.	0.	0.	0.	162.	337.	0.	0.	0.	0.	498.	114.	0.2296	0.7704	0.0730
27	0.	0.	0.	0.	0.	0.	86.	298.	0.	0.	0.	0.	384.	71.	0.1837	0.8163	0.0562
28	0.	0.	0.	0.	0.	0.	57.	256.	0.	0.	0.	0.	313.	57.	0.1826	0.8174	0.0459
29	0.	0.	0.	0.	0.	0.	36.	220.	0.	0.	0.	0.	256.	81.	0.3152	0.6848	0.0375
30	0.	0.	0.	0.	0.	0.	0.	175.	0.	0.	0.	0.	175.	68.	0.3861	0.6139	0.0257
31	0.	0.	0.	0.	0.	0.	0.	108.	0.	0.	0.	0.	108.	49.	0.4518	0.5482	0.0158
32	0.	0.	0.	0.	0.	0.	0.	59.	0.	0.	0.	0.	59.	6.	0.1059	0.8941	0.0086
33	0.	0.	0.	0.	0.	0.	0.	53.	0.	0.	0.	0.	53.	11.	0.2137	0.7863	0.0077
34	0.	0.	0.	0.	0.	0.	0.	42.	0.	0.	0.	0.	42.	16.	0.3858	0.6142	0.0061
35	0.	0.	0.	0.	0.	0.	0.	25.	0.	0.	0.	0.	25.	25.	1.0000	0.0	0.0037
TOT	5797.	733.	9001.	8598.	21315.	12489.	7535.	3318.	0.	0.	0.	0.	62255.	5796.	0.0931	0.9069	10.7402
AVERAGE YOS			0.98	2.99	7.01	13.60	19.19	25.22	0.0	0.0	0.0	0.0	9.35			
PRODUCTIVITY			1087.	5357.	21315.	12489.	7535.	3318.	0.	0.	0.	0.	51101.			

NAVY OFFICER CURRENT STEADY STATE (DOPMA REV 2)

FILENAME= NC013CAT CURRENT DATE= 12/16/83 TIME= 14:55:50

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	153.	0.	3.	0.	0.	0.	0.	0.	100.	203.	1.	0.	307.
2	111.	0.	4.	1.	0.	0.	0.	0.	15.	23.	2.	0.	45.
3	234.	0.	10.	1.	0.	0.	0.	0.	60.	71.	1.	0.	143.
4	37.	0.	6.	0.	0.	5.	0.	0.	183.	269.	5.	0.	468.
5	93.	0.	3.	1.	0.	45.	0.	0.	113.	298.	2.	0.	462.
6	21.	0.	4.	1.	0.	40.	0.	0.	201.	195.	32.	0.	473.
7	17.	0.	1.	0.	0.	22.	0.	0.	132.	205.	2.	0.	362.
8	7.	0.	4.	1.	0.	20.	0.	0.	89.	126.	0.	0.	241.
9	4.	0.	4.	1.	0.	27.	0.	0.	70.	144.	1.	0.	246.
10	0.	0.	3.	1.	7.	27.	0.	0.	71.	176.	3.	0.	288.
11	0.	0.	1.	0.	6.	23.	0.	0.	86.	91.	0.	0.	206.
12	4.	0.	1.	0.	7.	59.	0.	0.	267.	81.	0.	0.	415.
13	4.	0.	1.	1.	8.	25.	0.	0.	136.	25.	0.	0.	196.
14	3.	0.	3.	0.	24.	16.	0.	0.	42.	21.	6.	0.	112.
15	2.	0.	2.	1.	6.	15.	0.	0.	11.	30.	0.	0.	64.
16	17.	0.	2.	0.	21.	37.	0.	0.	3.	16.	0.	0.	84.
17	12.	0.	3.	0.	13.	50.	0.	0.	13.	12.	1.	0.	92.
18	12.	0.	2.	0.	20.	56.	0.	0.	10.	11.	0.	0.	99.
19	0.	0.	1.	0.	45.	66.	0.	0.	5.	3.	1.	0.	122.
20	0.	0.	1.	0.	104.	168.	0.	0.	4.	8.	0.	0.	284.
21	0.	0.	1.	0.	12.	92.	0.	0.	0.	7.	0.	0.	112.
22	0.	0.	1.	1.	30.	111.	0.	0.	0.	2.	0.	0.	145.
23	0.	0.	1.	0.	5.	101.	0.	0.	0.	5.	0.	0.	112.
24	0.	0.	2.	0.	20.	89.	0.	0.	0.	2.	0.	0.	113.
25	0.	0.	0.	0.	21.	83.	2.	0.	0.	1.	0.	0.	107.
26	0.	0.	0.	0.	32.	82.	1.	0.	0.	0.	0.	0.	114.
27	0.	0.	0.	0.	11.	54.	1.	0.	0.	0.	0.	4.	71.
28	0.	0.	0.	1.	19.	24.	1.	0.	0.	0.	0.	12.	57.
29	0.	0.	0.	0.	17.	37.	15.	0.	0.	0.	0.	12.	81.
30	0.	0.	1.	0.	12.	49.	2.	0.	0.	0.	0.	4.	68.
31	0.	0.	0.	0.	11.	37.	1.	0.	0.	0.	0.	0.	49.
32	0.	0.	0.	0.	1.	6.	0.	0.	0.	0.	0.	0.	6.
33	0.	0.	0.	0.	4.	7.	0.	0.	0.	0.	0.	0.	11.
34	0.	0.	0.	0.	3.	13.	0.	0.	0.	0.	0.	0.	16.
35	0.	0.	0.	0.	18.	8.	0.	0.	0.	0.	0.	0.	25.
	733.	0.	65.	10.	476.	1495.	23.	0.	1616.	2024.	56.	32.	5796.
RETIRED POPULATION				411.	15100.	47827.	633.						63970.
					I----(	63559.	)----I						

App K-5

NAVY OFFICER CURRENT STEADY STATE (DOPMA REV 2)

FILENAME= NC013CAT CURRENT DATE= 12/16/83 TIME= 14:55:52

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	9001.	8598.	21315.	12489.	7535.	3318.	0.	0.	0.	0.	62255.
****LOSSES****											
PROM-OUT	4192.	3743.	1981.	1146.	516.	32.	0.	0.	0.	0.	11611.
LOSS:XFR-OTH	264.	271.	141.	47.	9.	0.	0.	0.	0.	0.	733.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	7.	15.	19.	10.	10.	3.	0.	0.	0.	0.	65.
LOSS:RET-DIS	1.	1.	3.	1.	1.	1.	0.	0.	0.	0.	10.
LOSS:RET-FC	0.	0.	24.	243.	152.	58.	0.	0.	0.	0.	476.
LOSS:RET-VOL	0.	5.	237.	342.	510.	402.	0.	0.	0.	0.	1495.
LOSS:RET-INV	0.	0.	0.	1.	13.	9.	0.	0.	0.	0.	23.
LOSS:OTH-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-FC	115.	244.	1029.	210.	18.	0.	0.	0.	0.	0.	1616.
LOSS:OTH-VOL	226.	340.	1161.	256.	30.	10.	0.	0.	0.	0.	2024.
LOSS:OTH-INV	4.	5.	46.	2.	0.	0.	0.	0.	0.	0.	56.
TOTAL LOSSES	4808.	4625.	4641.	2258.	1259.	516.	0.	0.	0.	0.	18108.
****GAINS****											
GAINS TO	4655.	90.	721.	235.	96.	0.	0.	0.	0.	0.	5797.
GAINS OTHER	153.	343.	177.	43.	17.	0.	0.	0.	0.	0.	733.
PROM-IN	0.	4192.	3743.	1981.	1146.	516.	0.	0.	0.	0.	11578.
TOTAL GAINS	4808.	4625.	4641.	2259.	1259.	516.	0.	0.	0.	0.	18109.
END STRENGTH	9001.	8598.	21315.	12490.	7535.	3318.	0.	0.	0.	0.	62256.

USMC OFFICER CURRENT OBJECTIVE FORCE (SIX CAT)

FILENAME= MC006CAT CURRENT DATE= 12/16/83 TIME= 14:56:13

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	1683.	0.	0.	1683.	0.	0.	0.	0.	0.	0.	0.	0.	1683.	20.	0.0119	0.9881	1.0000
2	0.	0.	0.	1663.	0.	0.	0.	0.	0.	0.	0.	0.	1663.	21.	0.0126	0.9874	0.9881
3	34.	0.	0.	1676.	0.	0.	0.	0.	0.	0.	0.	0.	1676.	175.	0.1045	0.8955	0.9757
4	0.	0.	0.	1392.	109.	0.	0.	0.	0.	0.	0.	0.	1501.	249.	0.1661	0.8339	0.8737
5	0.	0.	0.	132.	1120.	0.	0.	0.	0.	0.	0.	0.	1252.	141.	0.1127	0.8873	0.7286
6	0.	4.	0.	43.	1072.	0.	0.	0.	0.	0.	0.	0.	1115.	199.	0.1787	0.8213	0.6465
7	0.	4.	0.	3.	916.	0.	0.	0.	0.	0.	0.	0.	919.	119.	0.1295	0.8705	0.5310
8	0.	4.	0.	0.	804.	0.	0.	0.	0.	0.	0.	0.	804.	84.	0.1045	0.8955	0.4622
9	0.	0.	0.	0.	720.	0.	0.	0.	0.	0.	0.	0.	720.	58.	0.0806	0.9194	0.4139
10	0.	0.	0.	0.	616.	46.	0.	0.	0.	0.	0.	0.	662.	44.	0.0664	0.9336	0.3806
11	0.	0.	0.	0.	152.	466.	0.	0.	0.	0.	0.	0.	618.	61.	0.0987	0.9013	0.3553
12	0.	0.	0.	0.	98.	459.	0.	0.	0.	0.	0.	0.	557.	102.	0.1831	0.8169	0.3202
13	0.	0.	0.	0.	23.	432.	0.	0.	0.	0.	0.	0.	455.	46.	0.1011	0.8989	0.2616
14	0.	0.	0.	0.	0.	396.	13.	0.	0.	0.	0.	0.	409.	17.	0.0416	0.9584	0.2351
15	0.	0.	0.	0.	0.	380.	12.	0.	0.	0.	0.	0.	392.	15.	0.0382	0.9618	0.2254
16	0.	0.	0.	0.	0.	359.	18.	0.	0.	0.	0.	0.	377.	14.	0.0371	0.9629	0.2168
17	0.	0.	0.	0.	0.	105.	258.	0.	0.	0.	0.	0.	363.	11.	0.0303	0.9697	0.2087
18	0.	0.	0.	0.	0.	83.	269.	0.	0.	0.	0.	0.	352.	6.	0.0171	0.9829	0.2024
19	0.	0.	0.	0.	0.	78.	268.	0.	0.	0.	0.	0.	346.	23.	0.0663	0.9337	0.1989
20	0.	0.	0.	0.	0.	67.	256.	0.	0.	0.	0.	0.	323.	84.	0.2597	0.7403	0.1858
21	0.	0.	0.	0.	0.	24.	215.	0.	0.	0.	0.	0.	239.	64.	0.2670	0.7330	0.1375
22	0.	0.	0.	0.	0.	0.	85.	91.	0.	0.	0.	0.	175.	15.	0.0853	0.9147	0.1008
23	0.	0.	0.	0.	0.	0.	59.	102.	0.	0.	0.	0.	160.	6.	0.0372	0.9628	0.0922
24	0.	0.	0.	0.	0.	0.	54.	101.	0.	0.	0.	0.	154.	26.	0.1679	0.8321	0.0888
25	0.	0.	0.	0.	0.	0.	38.	91.	0.	0.	0.	0.	129.	25.	0.1939	0.8061	0.0739
26	0.	0.	0.	0.	0.	0.	26.	78.	0.	0.	0.	0.	104.	29.	0.2790	0.7210	0.0595
27	0.	0.	0.	0.	0.	0.	18.	57.	0.	0.	0.	0.	75.	31.	0.4135	0.5865	0.0429
28	0.	0.	0.	0.	0.	0.	12.	32.	0.	0.	0.	0.	44.	23.	0.5226	0.4774	0.0252
29	0.	0.	0.	0.	0.	0.	0.	21.	0.	0.	0.	0.	21.	9.	0.4286	0.5714	0.0120
30	0.	0.	0.	0.	0.	0.	0.	12.	0.	0.	0.	0.	12.	12.	1.0000	0.0000	0.0069
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
TOT	1717.	12.	0.	6592.	5631.	2897.	1601.	583.	0.	0.	0.	0.	17303.	1729.	0.0999	0.9001	10.0075
AVERAGE YOS			0.0	2.01	6.80	13.42	19.22	24.25	0.0	0.0	0.0	0.0	7.82				
PRODUCTIVITY			0.	2476.	5693.	2897.	1601.	583.	0.	0.	0.	0.	13159.				

USMC OFFICER CURRENT OBJECTIVE FORCE (SIX CAT)

FILENAME= MC006CAT CURRENT DATE= 12/16/83 TIME= 14:56:15

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	1.	0.	0.	0.	0.	3.	0.	10.	6.	0.	20.
2	0.	0.	0.	1.	0.	0.	0.	1.	0.	13.	6.	0.	21.
3	0.	0.	3.	1.	0.	0.	0.	7.	0.	162.	2.	0.	175.
4	0.	0.	5.	1.	1.	4.	0.	4.	0.	233.	1.	0.	249.
5	0.	0.	3.	2.	2.	4.	0.	4.	9.	115.	2.	0.	141.
6	0.	0.	4.	2.	12.	7.	0.	3.	18.	153.	0.	0.	199.
7	0.	0.	2.	2.	3.	7.	0.	1.	2.	102.	0.	0.	119.
8	0.	0.	1.	3.	0.	4.	0.	2.	0.	74.	0.	0.	84.
9	0.	0.	0.	2.	1.	4.	0.	2.	0.	49.	0.	0.	58.
10	0.	0.	0.	1.	4.	8.	0.	0.	0.	31.	0.	0.	44.
11	0.	0.	2.	2.	3.	14.	0.	1.	4.	35.	0.	0.	61.
12	0.	0.	3.	3.	2.	13.	0.	1.	37.	43.	0.	0.	102.
13	0.	0.	1.	5.	1.	11.	0.	1.	13.	14.	0.	0.	46.
14	0.	0.	0.	1.	0.	9.	0.	0.	0.	7.	0.	0.	17.
15	0.	0.	2.	0.	0.	8.	0.	0.	0.	5.	0.	0.	15.
16	0.	0.	1.	0.	4.	6.	0.	0.	0.	3.	0.	0.	14.
17	0.	0.	0.	0.	2.	7.	0.	0.	0.	2.	0.	0.	11.
18	0.	0.	0.	2.	0.	4.	0.	0.	0.	0.	0.	0.	6.
19	0.	0.	0.	1.	2.	20.	0.	0.	0.	0.	0.	0.	23.
20	0.	0.	0.	1.	15.	68.	0.	0.	0.	0.	0.	0.	84.
21	0.	0.	0.	2.	20.	42.	0.	0.	0.	0.	0.	0.	64.
22	0.	0.	0.	2.	4.	9.	0.	0.	0.	0.	0.	0.	15.
23	0.	0.	0.	2.	2.	2.	0.	0.	0.	0.	0.	0.	6.
24	0.	0.	0.	1.	3.	22.	0.	0.	0.	0.	0.	0.	26.
25	0.	0.	0.	3.	4.	18.	0.	0.	0.	0.	0.	0.	25.
26	0.	0.	0.	0.	4.	17.	0.	0.	0.	0.	0.	8.	29.
27	0.	0.	0.	1.	4.	23.	0.	0.	0.	0.	0.	3.	31.
28	0.	0.	0.	1.	10.	12.	0.	0.	0.	0.	0.	0.	23.
29	0.	0.	0.	0.	3.	6.	0.	0.	0.	0.	0.	0.	9.
30	0.	0.	0.	0.	8.	4.	0.	0.	0.	0.	0.	0.	12.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	0.	28.	42.	114.	352.	0.	30.	83.	1052.	17.	11.	1729.
RETIRED POPULATION				1673.	3649.	11521.	0.						16844.
					|----(	15171.	)----|						

USMC OFFICER CURRENT OBJECTIVE FORCE (S:X CAT)

FILENAME= MC006CAT CURRENT DATE= 12/16/83 TIME= 14:56:15

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	6592.	5631.	2897.	1601.	583.	0.	0.	0.	0.	17303.
****LOSSES****											
PROM-OUT	0.	1197.	503.	282.	104.	11.	0.	0.	0.	0.	2097.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	0.	10.	12.	6.	0.	0.	0.	0.	0.	0.	28.
LOSS:RET-DIS	0.	3.	19.	5.	9.	6.	0.	0.	0.	0.	42.
LOSS:RET-FC	0.	12.	9.	38.	37.	18.	0.	0.	0.	0.	114.
LOSS:RET-VOL	0.	1.	39.	111.	133.	69.	0.	0.	0.	0.	352.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	17.	13.	0.	0.	0.	0.	0.	0.	0.	30.
LOSS:OTH-FC	0.	29.	54.	0.	0.	0.	0.	0.	0.	0.	83.
LOSS:OTH-VOL	0.	433.	557.	61.	0.	0.	0.	0.	0.	0.	1052.
LOSS:OTH-INV	0.	15.	2.	0.	0.	0.	0.	0.	0.	0.	17.
TOTAL LOSSES	0.	1717.	1209.	503.	282.	104.	0.	0.	0.	0.	3815.
****GAINS****											
GAINS TO	0.	1717.	0.	0.	0.	0.	0.	0.	0.	0.	1717.
GAINS OTHER	0.	0.	12.	0.	0.	0.	0.	0.	0.	0.	12.
PROM-IN	0.	0.	1197.	503.	282.	104.	0.	0.	0.	0.	2086.
TOTAL GAINS	0.	1717.	1209.	503.	282.	104.	0.	0.	0.	0.	3815.
END STRENGTH	0.	6592.	5631.	2897.	1601.	583.	0.	0.	0.	0.	17303.

AIR FORCE CURRENT OBJECTIVE OFFICERS--11 CATEGORIES

FILENAME= FC011CAT CURRENT DATE= 12/16/83 TIME= 14:56:51

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	8205.	0.	7178.	202.	736.	90.	0.	0.	0.	0.	0.	0.	8205.	139.	0.0170	0.9830	1.0000
2	0.	0.	7046.	201.	729.	90.	0.	0.	0.	0.	0.	0.	8066.	236.	0.0292	0.9708	0.9830
3	0.	0.	0.	6914.	841.	76.	0.	0.	0.	0.	0.	0.	7830.	440.	0.0562	0.9438	0.9543
4	0.	0.	0.	6683.	654.	52.	0.	0.	0.	0.	0.	0.	7390.	1066.	0.1442	0.8558	0.9007
5	0.	0.	0.	302.	5975.	47.	0.	0.	0.	0.	0.	0.	6325.	506.	0.0800	0.9200	0.7708
6	0.	0.	0.	146.	5412.	223.	39.	0.	0.	0.	0.	0.	5819.	929.	0.1597	0.8403	0.7091
7	0.	0.	0.	0.	4615.	239.	36.	0.	0.	0.	0.	0.	4890.	479.	0.0980	0.9020	0.5959
8	0.	0.	0.	0.	4131.	248.	32.	0.	0.	0.	0.	0.	4411.	337.	0.0764	0.9236	0.5375
9	0.	0.	0.	0.	3779.	266.	29.	0.	0.	0.	0.	0.	4074.	262.	0.0644	0.9356	0.4965
10	0.	0.	0.	0.	3369.	417.	26.	0.	0.	0.	0.	0.	3811.	234.	0.0615	0.9385	0.4645
11	0.	0.	0.	0.	2360.	1189.	28.	0.	0.	0.	0.	0.	3577.	105.	0.0294	0.9706	0.4359
12	0.	0.	0.	0.	1326.	1976.	153.	17.	0.	0.	0.	0.	3472.	76.	0.0218	0.9782	0.4231
13	0.	0.	0.	0.	555.	2662.	163.	16.	0.	0.	0.	0.	3396.	68.	0.0199	0.9801	0.4139
14	0.	0.	0.	0.	327.	2807.	180.	14.	0.	0.	0.	0.	3329.	59.	0.0177	0.9823	0.4057
15	0.	0.	0.	0.	315.	2710.	232.	13.	0.	0.	0.	0.	3270.	67.	0.0205	0.9795	0.3985
16	0.	0.	0.	0.	297.	2288.	601.	16.	0.	0.	0.	0.	3203.	82.	0.0255	0.9745	0.3903
17	0.	0.	0.	0.	263.	1472.	1364.	21.	0.	0.	0.	0.	3121.	82.	0.0262	0.9738	0.3804
18	0.	0.	0.	0.	225.	825.	1894.	95.	0.	0.	0.	0.	3039.	75.	0.0247	0.9753	0.3704
19	0.	0.	0.	0.	190.	688.	1982.	104.	0.	0.	0.	0.	2964.	152.	0.0514	0.9486	0.3613
20	0.	0.	0.	0.	145.	614.	1826.	227.	0.	0.	0.	0.	2812.	851.	0.3027	0.6973	0.3427
21	0.	0.	0.	0.	0.	0.	1340.	621.	0.	0.	0.	0.	1961.	406.	0.2070	0.7930	0.2390
22	0.	0.	0.	0.	0.	0.	751.	804.	0.	0.	0.	0.	1555.	309.	0.1988	0.8012	0.1895
23	0.	0.	0.	0.	0.	0.	547.	699.	0.	0.	0.	0.	1246.	184.	0.1477	0.8523	0.1518
24	0.	0.	0.	0.	0.	0.	417.	645.	0.	0.	0.	0.	1062.	242.	0.2278	0.7722	0.1294
25	0.	0.	0.	0.	0.	0.	282.	538.	0.	0.	0.	0.	820.	179.	0.2181	0.7819	0.0999
26	0.	0.	0.	0.	0.	0.	198.	443.	0.	0.	0.	0.	641.	157.	0.2442	0.7558	0.0781
27	0.	0.	0.	0.	0.	0.	133.	352.	0.	0.	0.	0.	485.	124.	0.2554	0.7446	0.0591
28	0.	0.	0.	0.	0.	0.	90.	271.	0.	0.	0.	0.	361.	167.	0.4628	0.5372	0.0440
29	0.	0.	0.	0.	0.	0.	0.	194.	0.	0.	0.	0.	194.	54.	0.2802	0.7198	0.0236
30	0.	0.	0.	0.	0.	0.	0.	140.	0.	0.	0.	0.	140.	140.	1.0000	0.0	0.0170
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	8205.	0.	14223.	14447.	36246.	18981.	12341.	5227.	0.	0.	0.	0.	101465.	8205.	0.0809	0.9191	12.3659
AVERAGE YOS			1.00	2.99	7.25	13.50	18.80	23.17	0.0	0.0	0.0	0.0	9.16				
PRODUCTIVITY			1761.	8967.	34380.	18772.	12341.	5227.	0.	0.	0.	0.	81449.				

AIR FORCE CURRENT OBJECTIVE OFFICERS--11 CATEGORIES

FILENAME= FC011CAT CURRENT DATE= 12/16/83 TIME= 14:56:52

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PRGMOUT	TOTALS
1	0.	0.	3.	3.	0.	0.	0.	2.	17.	56.	58.	0.	139.
2	0.	0.	13.	4.	0.	0.	0.	2.	76.	82.	59.	0.	236.
3	0.	0.	7.	7.	0.	0.	0.	1.	78.	278.	68.	0.	440.
4	0.	0.	7.	7.	0.	0.	0.	1.	97.	801.	152.	0.	1066.
5	0.	0.	7.	6.	0.	0.	0.	1.	46.	397.	49.	0.	506.
6	0.	0.	7.	5.	0.	0.	0.	1.	155.	708.	54.	0.	929.
7	0.	0.	5.	5.	0.	0.	0.	1.	9.	417.	42.	0.	479.
8	0.	0.	5.	5.	0.	0.	0.	1.	1.	292.	33.	0.	337.
9	0.	0.	4.	4.	0.	0.	0.	1.	0.	242.	12.	0.	262.
10	0.	0.	4.	7.	0.	3.	0.	1.	0.	210.	9.	0.	234.
11	0.	0.	4.	4.	0.	32.	0.	1.	3.	59.	4.	0.	105.
12	0.	0.	3.	4.	0.	39.	0.	0.	1.	26.	3.	0.	76.
13	0.	0.	3.	4.	0.	35.	0.	0.	0.	23.	2.	0.	68.
14	0.	0.	3.	4.	0.	36.	0.	0.	0.	14.	2.	0.	59.
15	0.	0.	3.	6.	0.	43.	0.	0.	1.	13.	1.	0.	67.
16	0.	0.	3.	10.	0.	64.	0.	0.	0.	4.	1.	0.	82.
17	0.	0.	3.	5.	0.	69.	0.	0.	0.	4.	0.	0.	82.
18	0.	0.	3.	6.	0.	64.	0.	0.	0.	2.	0.	0.	75.
19	0.	0.	3.	6.	0.	144.	0.	0.	0.	0.	0.	0.	152.
20	0.	0.	3.	8.	743.	95.	1.	0.	0.	0.	0.	0.	851.
21	0.	0.	2.	7.	0.	398.	0.	0.	0.	0.	0.	0.	406.
22	0.	0.	2.	4.	0.	304.	0.	0.	0.	0.	0.	0.	309.
23	0.	0.	1.	3.	0.	180.	0.	0.	0.	0.	0.	0.	184.
24	0.	0.	1.	3.	0.	238.	0.	0.	0.	0.	0.	0.	242.
25	0.	0.	1.	2.	0.	176.	0.	0.	0.	0.	0.	0.	179.
26	0.	0.	1.	2.	0.	154.	0.	0.	0.	0.	0.	0.	157.
27	0.	0.	0.	1.	2.	120.	0.	0.	0.	0.	0.	0.	124.
28	0.	0.	0.	1.	90.	76.	0.	0.	0.	0.	0.	0.	167.
29	0.	0.	0.	1.	0.	54.	0.	0.	0.	0.	0.	0.	54.
30	0.	0.	0.	0.	139.	0.	0.	0.	0.	0.	0.	0.	140.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	0.	100.	132.	974.	2322.	1.	15.	485.	3625.	550.	0.	8205.
RETIRED POPULATION				5381.	31689.	74408.	34.						111511.
					1----(	106131.	)----1						

AIR FORCE CURRENT OBJECTIVE OFFICERS--11 CATEGORIES

FILENAME= FC011CAT CURRENT DATE= 12/16/83 TIME= 14:56:53

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	14223.	14447.	36246.	18981.	12341.	5227.	0.	0.	0.	0.	101467.
****LOSSES****											
PROM-OUT	6914.	5760.	3200.	2201.	934.	0.	0.	0.	0.	0.	19010.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	15.	14.	37.	17.	11.	5.	0.	0.	0.	0.	100.
LOSS:RET-DIS	5.	13.	35.	24.	36.	19.	0.	0.	0.	0.	132.
LOSS:RET-FC	0.	0.	133.	611.	92.	139.	0.	0.	0.	0.	974.
LOSS:RET-VOL	0.	0.	227.	246.	1082.	768.	0.	0.	0.	0.	2322.
LOSS:RET-INV	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
LOSS:OTH-DIS	5.	2.	6.	1.	0.	0.	0.	0.	0.	0.	15.
LOSS:OTH-FC	23.	186.	257.	20.	0.	0.	0.	0.	0.	0.	485.
LOSS:OTH-VOL	103.	920.	2393.	161.	45.	4.	0.	0.	0.	0.	3625.
LOSS:OTH-INV	114.	219.	207.	10.	0.	0.	0.	0.	0.	0.	550.
TOTAL LOSSES	7178.	7115.	6496.	3291.	2201.	934.	0.	0.	0.	0.	27215.
****GAINS****											
GAINS TO	7178.	202.	736.	90.	0.	0.	0.	0.	0.	0.	8205.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	6914.	5760.	3200.	2201.	934.	0.	0.	0.	0.	19010.
TOTAL GAINS	7178.	7115.	6496.	3291.	2201.	934.	0.	0.	0.	0.	27215.
END STRENGTH	14223.	14447.	36246.	18981.	12341.	5227.	0.	0.	0.	0.	101467.

UNITED STATES COAST GUARD -- CURRENT OBJECTIVE

FILENAME= CC001CAT CURRENT DATE= 12/16/83 TIME= 14:57:33

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	402.	0.	402.	0.	0.	0.	0.	0.	0.	0.	0.	0.	402.	55.	0.1368	0.8632	1.0000
2	0.	0.	157.	190.	0.	0.	0.	0.	0	0.	0.	0.	347.	21.	0.0605	0.9395	0.8632
3	0.	0.	71.	255.	0.	0.	0.	0.	0.	0.	0.	0.	326.	42.	0.1288	0.8712	0.8110
4	0.	0.	0.	284.	0.	0.	0.	0.	0.	0.	0.	0.	284.	5.	0.0176	0.9824	0.7065
5	0.	0.	0.	109.	170.	0.	0.	0.	0.	0.	0.	0.	279.	39.	0.1398	0.8602	0.6940
6	0.	0.	0.	60.	180.	0.	0.	0.	0.	0.	0.	0.	240.	4.	0.0166	0.9834	0.5970
7	0.	0.	0.	18.	218.	0.	0.	0.	0.	0.	0.	0.	236.	5.	0.0211	0.9789	0.5871
8	0.	0.	0.	13.	218.	0.	0.	0.	0.	0.	0.	0.	231.	3.	0.0130	0.9870	0.5746
9	0.	0.	0.	6.	222.	0.	0.	0.	0.	0.	0.	0.	228.	1.	0.0049	0.9951	0.5672
10	0.	0.	0.	6.	87.	134.	0.	0.	0.	0.	0.	0.	227.	3.	0.0118	0.9882	0.5644
11	0.	0.	0.	2.	81.	141.	0.	0.	0.	0.	0.	0.	224.	11.	0.0488	0.9512	0.5577
12	0.	0.	0.	0.	71.	142.	0.	0.	0.	0.	0.	0.	213.	20.	0.0939	0.9061	0.5305
13	0.	0.	0.	0.	60.	133.	0.	0.	0.	0.	0.	0.	193.	16.	0.0829	0.9171	0.4807
14	0.	0.	0.	0.	49.	128.	0.	0.	0.	0.	0.	0.	177.	14.	0.0791	0.9209	0.4408
15	0.	0.	0.	0.	37.	80.	46.	0.	0.	0.	0.	0.	163.	14.	0.0864	0.9136	0.4059
16	0.	0.	0.	0.	24.	64.	61.	0.	0.	0.	0.	0.	149.	11.	0.0752	0.9248	0.3709
17	0.	0.	0.	0.	20.	38.	80.	0.	0.	0.	0.	0.	138.	6.	0.0427	0.9573	0.3430
18	0.	0.	0.	0.	18.	26.	88.	0.	0.	0.	0.	0.	132.	3.	0.0236	0.9764	0.3284
19	0.	0.	0.	0.	15.	24.	90.	0.	0.	0.	0.	0.	129.	2.	0.0171	0.9829	0.3206
20	0.	0.	0.	0.	12.	22.	92.	0.	0.	0.	0.	0.	127.	28.	0.2209	0.7791	0.3151
21	0.	0.	0.	0.	12.	20.	58.	9.	0.	0.	0.	0.	99.	17.	0.1724	0.8276	0.2455
22	0.	0.	0.	0.	0.	13.	32.	32.	0.	0.	0.	0.	82.	9.	0.1048	0.8952	0.2032
23	0.	0.	0.	0.	0.	10.	17.	46.	0.	0.	0.	0.	73.	12.	0.1631	0.8369	0.1819
24	0.	0.	0.	0.	0.	0.	8.	53.	0.	0.	0.	0.	61.	12.	0.1939	0.8061	0.1522
25	0.	0.	0.	0.	0.	0.	6.	43.	0.	0.	0.	0.	49.	4.	0.0800	0.9200	0.1227
26	0.	0.	0.	0.	0.	0.	4.	42.	0.	0.	0.	0.	45.	4.	0.0868	0.9132	0.1129
27	0.	0.	0.	0.	0.	0.	2.	40.	0.	0.	0.	0.	41.	8.	0.1900	0.8100	0.1031
28	0.	0.	0.	0.	0.	0.	0.	34.	0.	0.	0.	0.	34.	13.	0.3824	0.6176	0.0835
29	0.	0.	0.	0.	0.	0.	0.	21.	0.	0.	0.	0.	21.	11.	0.5238	0.4762	0.0516
30	0.	0.	0.	0.	0.	0.	0.	10.	0.	0.	0.	0.	10.	6.	0.6000	0.4000	0.0246
31	0.	0.	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	4.	3.	0.7500	0.2500	0.0098
32	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	1.	1.	1.0000	0.0000	0.0025
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
TOT	402.	0.	631.	944.	1497.	981.	583.	334.	0.	0.	0.	0.	4970.	402.	0.0810	0.9190	12.3521
AVERAGE YOS			0.97	3.27	8.65	13.17	18.28	24.82	0.0	0.0	0.0	0.0	9.76				
PRODUCTIVITY			75.	603.	1497.	981.	583.	334.	0.	0.	0.	0.	4073.				

UNITED STATES COAST GUARD -- CURRENT OBJECTIVE

FILENAME= CC001CAT CURRENT DATE= 12/16/83 TIME= 14:57:34

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	0.	0.	0.	0.	0.	0.	55.	0.	0.	0.	55.
2	0.	0.	0.	0.	0.	0.	0.	0.	16.	5.	0.	0.	21.
3	0.	0.	1.	0.	0.	0.	0.	0.	38.	3.	0.	0.	42.
4	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	0.	5.
5	0.	0.	0.	0.	0.	0.	0.	0.	22.	17.	0.	0.	39.
6	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	0.	4.
7	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	0.	0.	5.
8	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	3.
9	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.
10	0.	0.	0.	1.	0.	0.	0.	0.	0.	2.	0.	0.	3.
11	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	0.	0.	11.
12	0.	0.	0.	1.	0.	0.	0.	0.	0.	19.	0.	0.	20.
13	0.	0.	0.	0.	0.	0.	0.	0.	0.	16.	0.	0.	16.
14	0.	0.	0.	0.	0.	0.	0.	0.	0.	14.	0.	0.	14.
15	0.	0.	0.	0.	0.	0.	0.	0.	0.	14.	0.	0.	14.
16	0.	0.	0.	0.	0.	0.	0.	0.	6.	4.	0.	0.	11.
17	0.	0.	0.	1.	0.	0.	0.	0.	3.	2.	0.	0.	6.
18	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	3.
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	2.
20	0.	0.	0.	0.	0.	28.	0.	0.	0.	0.	0.	0.	28.
21	0.	0.	0.	0.	0.	17.	0.	0.	0.	0.	0.	0.	17.
22	0.	0.	0.	0.	0.	8.	0.	0.	0.	0.	0.	0.	9.
23	0.	0.	0.	0.	0.	12.	0.	0.	0.	0.	0.	0.	12.
24	0.	0.	0.	0.	0.	12.	0.	0.	0.	0.	0.	0.	12.
25	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	4.
26	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	4.
27	0.	0.	0.	0.	0.	8.	0.	0.	0.	0.	0.	0.	8.
28	0.	0.	0.	0.	0.	13.	0.	0.	0.	0.	0.	0.	13.
29	0.	0.	0.	0.	0.	11.	0.	0.	0.	0.	0.	0.	11.
30	0.	0.	0.	0.	0.	6.	0.	0.	0.	0.	0.	0.	6.
31	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	3.
32	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	0.	7.	4.	0.	125.	0.	0.	139.	127.	0.	0.	402.
RETIRED POPULATION				158.	0.	3854.	0.						4012.
					)----(	3854.	)----(						

UNITED STATES COAST GUARD -- CURRENT OBJECTIVE

FILENAME= CCO01CAT CURRENT DATE= 12/16/83 TIME= 14:57:35

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	631.	944.	1497.	981.	583.	334.	0.	0.	0.	0.	4970.
****LOSSES****											
PROM-OUT	293.	248.	146.	95.	55.	0.	0.	0.	0.	0.	838.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	0.	1.	2.	1.	2.	1.	0.	0.	0.	0.	7.
LOSS:RET-DIS	0.	0.	1.	2.	1.	0.	0.	0.	0.	0.	4.
LOSS:RET-FC	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-VOL	0.	0.	13.	20.	38.	55.	0.	0.	0.	0.	125.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-FC	109.	22.	0.	9.	0.	0.	0.	0.	0.	0.	139.
LOSS:OTH-VOL	0.	22.	86.	19.	0.	0.	0.	0.	0.	0.	127.
LOSS:OTH-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL LOSSES	402.	293.	248.	146.	95.	55.	0.	0.	0.	0.	1241.
****GAINS****											
GAINS TO	402.	0.	0.	0.	0.	0.	0.	0.	0.	0.	402.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	293.	248.	146.	95.	55.	0.	0.	0.	0.	838.
TOTAL GAINS	402.	293.	248.	146.	95.	55.	0.	0.	0.	0.	1241.
END STRENGTH	631.	944.	1497.	981.	583.	334.	0.	0.	0.	0.	4970.

NOAA OFFICERS CURRENT OBJECTIVE --1 CATEGORY

FILENAME= OC001CAT CURRENT DATE= 12/16/83 TIME= 14:57:44

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	28.	0.	24.	0.	0.	0.	0.	0.	0.	0.	0.	0.	24.	3.	0.1250	0.8750	1.0000
2	0.	0.	11.	10.	0.	0.	0.	0.	0.	0.	0.	0.	21.	0.	0.0	1.0000	0.8750
3	1.	0.	1.	21.	0.	0.	0.	0.	0.	0.	0.	0.	22.	0.	0.0	1.0000	0.8750
4	1.	0.	1.	20.	2.	0.	0.	0.	0.	0.	0.	0.	23.	0.	0.0	1.0000	0.8750
5	1.	0.	1.	11.	12.	0.	0.	0.	0.	0.	0.	0.	24.	1.	0.0417	0.9583	0.8750
6	1.	0.	1.	5.	18.	0.	0.	0.	0.	0.	0.	0.	24.	1.	0.0417	0.9583	0.8385
7	0.	0.	0.	3.	20.	0.	0.	0.	0.	0.	0.	0.	23.	1.	0.0435	0.9565	0.8036
8	0.	0.	0.	2.	15.	5.	0.	0.	0.	0.	0.	0.	22.	2.	0.0902	0.9098	0.7687
9	0.	0.	0.	1.	10.	9.	0.	0.	0.	0.	0.	0.	20.	0.	0.0	1.0000	0.6993
10	0.	0.	0.	1.	7.	12.	0.	0.	0.	0.	0.	0.	20.	1.	0.0500	0.9500	0.6993
11	0.	0.	0.	0.	4.	15.	0.	0.	0.	0.	0.	0.	19.	3.	0.1578	0.8422	0.6644
12	0.	0.	0.	0.	2.	13.	1.	0.	0.	0.	0.	0.	16.	2.	0.1249	0.8751	0.5596
13	0.	0.	0.	0.	1.	9.	4.	0.	0.	0.	0.	0.	14.	2.	0.1428	0.8572	0.4897
14	0.	0.	0.	0.	0.	6.	6.	0.	0.	0.	0.	0.	12.	3.	0.2500	0.7500	0.4198
15	0.	0.	0.	0.	0.	2.	7.	0.	0.	0.	0.	0.	9.	1.	0.1111	0.8889	0.3148
16	0.	0.	0.	0.	0.	1.	7.	0.	0.	0.	0.	0.	8.	0.	0.0	1.0000	0.2798
17	0.	0.	0.	0.	0.	1.	7.	0.	0.	0.	0.	0.	8.	0.	0.0	1.0000	0.2798
18	0.	0.	0.	0.	0.	1.	7.	0.	0.	0.	0.	0.	8.	0.	0.0	1.0000	0.2798
19	0.	0.	0.	0.	0.	1.	7.	0.	0.	0.	0.	0.	8.	0.	0.0	1.0000	0.2798
20	0.	0.	0.	0.	0.	1.	5.	2.	0.	0.	0.	0.	8.	1.	0.1250	0.8750	0.2798
21	0.	0.	0.	0.	0.	0.	3.	4.	0.	0.	0.	0.	7.	0.	0.0	1.0000	0.2449
22	0.	0.	0.	0.	0.	0.	2.	5.	0.	0.	0.	0.	7.	2.	0.2857	0.7143	0.2449
23	0.	0.	0.	0.	0.	0.	1.	4.	0.	0.	0.	0.	5.	0.	0.0	1.0000	0.1749
24	0.	0.	0.	0.	0.	0.	1.	4.	0.	0.	0.	0.	5.	2.	0.4000	0.6000	0.1749
25	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	3.	1.	0.3333	0.6667	0.1049
26	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	2.	1.	0.5000	0.5000	0.0700
27	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	1.	0.	0.0	1.0000	0.0350
28	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	1.	0.	0.0	1.0000	0.0350
29	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	1.	0.	0.0	1.0000	0.0350
30	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	1.	1.	1.0000	0.0	0.0350
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	28.	0.	39.	74.	91.	76.	58.	28.	0.	0.	0.	0.	366.	28.	0.0765	0.9235	13.0779
AVERAGE YOS			1.14	3.61	6.94	11.12	16.69	23.18	0.0	0.0	0.0	0.0	9.31				
PRODUCTIVITY			6.	51.	90.	76.	58.	28.	0.	0.	0.	0.	310.				

NOAA OFFICERS CURRENT OBJECTIVE --1 CATEGORY

FILENAME= OC001CAT CURRENT DATE= 12/16/83 TIME= 14:57:44

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	1.	0.	3.
2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.
6	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.
7	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.
8	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	2.
9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.
11	0.	0.	0.	1.	0.	0.	0.	0.	0.	2.	0.	0.	3.
12	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	2.
13	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	2.
14	0.	0.	0.	1.	0.	0.	0.	0.	0.	2.	0.	0.	3.
15	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.
16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.
23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.
25	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
26	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	0.	0.	2.	0.	7.	0.	0.	0.	17.	1.	1.	28.
RETIRED POPULATION				83.	0.	221.	0.						303.
					I----(	221.	)----I						

NOAA OFFICERS CURRENT OBJECTIVE --1 CATEGORY

FILENAME= OC001CAT CURRENT DATE= 12/16/83 TIME= 14:57:45

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	39.	74.	91.	76.	58.	28.	0.	0.	0.	0.	366.
****LOSSES****											
PROM-OUT	25.	20.	15.	7.	5.	1.	0.	0.	0.	0.	73.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-DIS	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.	2.
LOSS:RET-FC	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-VOL	0.	0.	0.	1.	2.	4.	0.	0.	0.	0.	7.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-FC	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-VOL	2.	5.	4.	6.	0.	0.	0.	0.	0.	0.	17.
LOSS:OTH-INV	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.
TOTAL LOSSES	28.	25.	20.	15.	7.	5.	0.	0.	0.	0.	100.
****GAINS****											
GAINS TO	28.	0.	0.	0.	0.	0.	0.	0.	0.	0.	28.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	25.	20.	15.	7.	5.	0.	0.	0.	0.	72.
TOTAL GAINS	28.	25.	20.	15.	7.	5.	0.	0.	0.	0.	100.
END STRENGTH	39.	74.	91.	76.	58.	28.	0.	0.	0.	0.	366.

PHS OFFICER CURRENT OBJECTIVE -- 9 CATEGORIES

FILENAME= PCO09CAT CURRENT DATE= 12/16/83 TIME= 14:58:01

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	754.	0.	20.	185.	508.	41.	0.	0.	0.	0.	0.	0.	754.	113.	0.1498	0.8502	1.0000
2	58.	0.	3.	197.	465.	34.	0.	0.	0.	0.	0.	0.	699.	250.	0.3578	0.6422	0.8502
3	12.	0.	0.	104.	338.	19.	0.	0.	0.	0.	0.	0.	461.	49.	0.1060	0.8940	0.5460
4	67.	0.	0.	46.	338.	95.	0.	0.	0.	0.	0.	0.	479.	82.	0.1702	0.8298	0.4881
5	24.	0.	0.	21.	185.	216.	0.	0.	0.	0.	0.	0.	422.	43.	0.1030	0.8970	0.4050
6	46.	0.	0.	11.	144.	265.	4.	0.	0.	0.	0.	0.	424.	49.	0.1145	0.8855	0.3633
7	31.	0.	0.	0.	115.	288.	4.	0.	0.	0.	0.	0.	407.	59.	0.1457	0.8543	0.3217
8	16.	0.	0.	0.	36.	308.	19.	0.	0.	0.	0.	0.	363.	36.	0.0992	0.9008	0.2748
9	59.	0.	0.	0.	19.	301.	66.	0.	0.	0.	0.	0.	386.	59.	0.1525	0.8475	0.2476
10	21.	0.	0.	0.	16.	167.	165.	0.	0.	0.	0.	0.	348.	43.	0.1237	0.8763	0.2098
11	26.	0.	0.	0.	0.	122.	209.	0.	0.	0.	0.	0.	331.	33.	0.0989	0.9011	0.1839
12	33.	0.	0.	0.	0.	58.	274.	0.	0.	0.	0.	0.	332.	61.	0.1826	0.8174	0.1657
13	25.	0.	0.	0.	0.	20.	274.	2.	0.	0.	0.	0.	296.	28.	0.0953	0.9047	0.1354
14	0.	0.	0.	0.	0.	12.	244.	12.	0.	0.	0.	0.	268.	32.	0.1194	0.8806	0.1225
15	14.	0.	0.	0.	0.	6.	209.	35.	0.	0.	0.	0.	250.	6.	0.0241	0.9759	0.1079
16	13.	0.	0.	0.	0.	3.	180.	74.	0.	0.	0.	0.	257.	17.	0.0663	0.9337	0.1053
17	3.	0.	0.	0.	0.	3.	120.	120.	0.	0.	0.	0.	243.	60.	0.2473	0.7527	0.0983
18	2.	0.	0.	0.	0.	0.	45.	140.	0.	0.	0.	0.	185.	10.	0.0541	0.9459	0.0740
19	0.	0.	0.	0.	0.	0.	33.	142.	0.	0.	0.	0.	175.	5.	0.0286	0.9714	0.0700
20	0.	0.	0.	0.	0.	0.	20.	150.	0.	0.	0.	0.	170.	53.	0.3151	0.6849	0.0680
21	0.	0.	0.	0.	0.	0.	11.	105.	0.	0.	0.	0.	116.	16.	0.1399	0.8601	0.0466
22	0.	0.	0.	0.	0.	0.	4.	96.	0.	0.	0.	0.	100.	24.	0.2385	0.7615	0.0400
23	0.	0.	0.	0.	0.	0.	0.	76.	0.	0.	0.	0.	76.	9.	0.1164	0.8836	0.0305
24	0.	0.	0.	0.	0.	0.	0.	67.	0.	0.	0.	0.	67.	12.	0.1773	0.8227	0.0269
25	0.	0.	0.	0.	0.	0.	0.	55.	0.	0.	0.	0.	55.	19.	0.3409	0.6591	0.0222
26	0.	0.	0.	0.	0.	0.	0.	36.	0.	0.	0.	0.	36.	16.	0.4331	0.5669	0.0146
27	0.	0.	0.	0.	0.	0.	0.	21.	0.	0.	0.	0.	21.	2.	0.0949	0.9051	0.0083
28	0.	0.	0.	0.	0.	0.	0.	19.	0.	0.	0.	0.	19.	7.	0.3699	0.6301	0.0075
29	0.	0.	0.	0.	0.	0.	0.	12.	0.	0.	0.	0.	12.	3.	0.2496	0.7504	0.0047
30	0.	0.	0.	0.	0.	0.	0.	9.	0.	0.	0.	0.	9.	9.	1.0000	0.0	0.0035
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	1204.	0.	23.	565.	2165.	1958.	1881.	1170.	0.	0.	0.	0.	7762.	1204.	0.1552	0.8448	6.4444
AVERAGE YOS			0.63	1.71	2.74	7.02	12.91	19.88	0.0	0.0	0.0	0.0	8.79				
PRODUCTIVITY			1.	168.	1054.	1858.	1881.	1170.	0.	0.	0.	0.	6133.				

PHS OFFICER CURRENT OBJECTIVE -- 9 CATEGORIES

FILENAME= PC009CAT CURRENT DATE= 12/16/83 TIME= 14:58:01

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	0.	0.	0.	0.	0.	0.	0.	95.	18.	0.	113.
2	0.	0.	0.	0.	0.	0.	0.	1.	1.	225.	23.	0.	250.
3	0.	0.	0.	0.	0.	0.	0.	0.	2.	47.	0.	0.	49.
4	0.	0.	0.	0.	0.	0.	0.	0.	11.	67.	4.	0.	82.
5	0.	0.	0.	0.	0.	0.	0.	1.	5.	37.	0.	0.	43.
6	0.	0.	0.	0.	0.	0.	0.	0.	2.	34.	13.	0.	49.
7	0.	0.	0.	0.	0.	0.	0.	0.	7.	41.	11.	0.	59.
8	0.	0.	0.	1.	0.	0.	0.	0.	4.	26.	5.	0.	36.
9	0.	0.	1.	0.	0.	0.	0.	0.	4.	46.	8.	0.	59.
10	0.	0.	0.	0.	0.	0.	0.	0.	6.	35.	2.	0.	43.
11	0.	0.	0.	1.	0.	0.	0.	0.	9.	23.	0.	0.	33.
12	0.	0.	0.	0.	0.	0.	0.	0.	31.	25.	5.	0.	61.
13	0.	0.	0.	0.	0.	0.	0.	2.	14.	9.	3.	0.	28.
14	0.	0.	0.	0.	0.	0.	0.	0.	20.	11.	1.	0.	32.
15	0.	0.	0.	1.	0.	0.	0.	0.	0.	5.	0.	0.	6.
16	0.	0.	0.	0.	0.	0.	0.	4.	5.	8.	0.	0.	17.
17	0.	0.	4.	1.	0.	0.	0.	5.	38.	5.	7.	0.	60.
18	0.	0.	3.	0.	0.	0.	0.	0.	0.	7.	0.	0.	10.
19	0.	0.	0.	5.	0.	0.	0.	0.	0.	0.	0.	0.	5.
20	0.	0.	0.	1.	5.	48.	0.	0.	0.	0.	0.	0.	53.
21	0.	0.	0.	1.	3.	10.	1.	0.	0.	1.	0.	0.	16.
22	0.	0.	1.	0.	0.	21.	0.	0.	2.	0.	0.	0.	24.
23	0.	0.	0.	0.	0.	5.	0.	0.	3.	1.	0.	0.	9.
24	0.	0.	0.	1.	0.	10.	1.	0.	0.	0.	0.	0.	12.
25	0.	0.	1.	1.	0.	16.	1.	0.	0.	0.	0.	0.	19.
26	0	0.	0.	0.	0.	15.	1.	0.	0.	0.	0.	0.	16.
27		0.	1.	0.	0.	1.	0.	0.	0.	0.	0.	0.	2.
28		0.	0.	2.	0.	5.	0.	0.	0.	0.	0.	0.	7.
29	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	3.
30	0.	0.	0.	0.	0.	9.	0.	0.	0.	0.	0.	0.	9.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	0.	11.	16.	8.	142.	4.	13.	164.	748.	100.	0.	1204.
RETIRED POPULATION				544.	262.	4493.	123.						5422.
					I----(	4879.	)----I						

PHS OFFICER CURRENT OBJECTIVE -- 9 CATEGORIES

FILENAME= PC009CAT CURRENT DATE= 12/16/83 TIME= 14:58:02

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	23.	565.	2165.	1958.	1881.	1170.	0.	0.	0.	0.	7762.
****LOSSES****											
PROM-OUT	19.	113.	422.	329.	216.	0.	0.	0.	0.	0.	1099.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	0.	0.	0.	1.	0.	10.	0.	0.	0.	0.	11.
LOSS:RET-DIS	0.	0.	0.	1.	1.	14.	0.	0.	0.	0.	16.
LOSS:RET-FC	0.	0.	0.	0.	3.	5.	0.	0.	0.	0.	8.
LOSS:RET-VOL	0.	0.	0.	0.	0.	142.	0.	0.	0.	0.	142.
LOSS:RET-INV	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	4.
LOSS:OTH-DIS	0.	1.	0.	1.	2.	9.	0.	0.	0.	0.	13.
LOSS:OTH-FC	0.	2.	10.	24.	100.	28.	0.	0.	0.	0.	164.
LOSS:OTH-VOL	0.	102.	346.	186.	90.	24.	0.	0.	0.	0.	748.
LOSS:OTH-INV	1.	0.	48.	29.	16.	6.	0.	0.	0.	0.	100.
TOTAL LOSSES	20.	218.	826.	570.	428.	241.	0.	0.	0.	0.	2303.
****GAINS****											
GAINS TO	20.	199.	713.	148.	99.	25.	0.	0.	0.	0.	1204.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	19.	113.	422.	329.	216.	0.	0.	0.	0.	1099.
TOTAL GAINS	20.	218.	826.	570.	428.	241.	0.	0.	0.	0.	2303.
END STRENGTH	23.	565.	2165.	1958.	1881.	1170.	0.	0.	0.	0.	7762.

ARMY WARRANT CURRENT OBJECTIVE--REVISED 9 JUNE 83

FILENAME= ACW02CAT CURRENT DATE= 12/16/83 TIME= 14:54:36

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
2	267.	0.	267.	0.	0.	0.	0.	0.	0.	0.	0.	0.	267.	6.	0.0225	0.9775	1.0000
3	0.	30.	291.	0.	0.	0.	0.	0.	0.	0.	0.	0.	291.	16.	0.0547	0.9453	0.9775
4	0.	33.	135.	173.	0.	0.	0.	0.	0.	0.	0.	0.	308.	54.	0.1754	0.8246	0.9240
5	0.	48.	145.	157.	0.	0.	0.	0.	0.	0.	0.	0.	302.	29.	0.0960	0.9040	0.7620
6	0.	42.	122.	193.	0.	0.	0.	0.	0.	0.	0.	0.	315.	34.	0.1079	0.8921	0.6888
7	0.	55.	131.	205.	0.	0.	0.	0.	0.	0.	0.	0.	336.	34.	0.1011	0.8989	0.6145
8	0.	73.	168.	207.	0.	0.	0.	0.	0.	0.	0.	0.	375.	29.	0.0773	0.9227	0.5524
9	0.	67.	202.	207.	4.	0.	0.	0.	0.	0.	0.	0.	413.	22.	0.0532	0.9468	0.5097
10	0.	105.	227.	177.	92.	0.	0.	0.	0.	0.	0.	0.	496.	20.	0.0403	0.9597	0.4826
11	0.	105.	239.	185.	157.	0.	0.	0.	0.	0.	0.	0.	581.	17.	0.0292	0.9708	0.4631
12	0.	105.	283.	214.	172.	0.	0.	0.	0.	0.	0.	0.	669.	13.	0.0194	0.9806	0.4496
13	0.	107.	270.	275.	218.	0.	0.	0.	0.	0.	0.	0.	763.	9.	0.0118	0.9882	0.4409
14	0.	93.	303.	322.	222.	0.	0.	0.	0.	0.	0.	0.	847.	16.	0.0189	0.9811	0.4357
15	0.	87.	239.	316.	343.	20.	0.	0.	0.	0.	0.	0.	918.	9.	0.0098	0.9902	0.4274
16	0.	64.	260.	337.	333.	43.	0.	0.	0.	0.	0.	0.	973.	9.	0.0092	0.9908	0.4233
17	0.	46.	229.	335.	391.	55.	0.	0.	0.	0.	0.	0.	1010.	12.	0.0118	0.9882	0.4194
18	0.	0.	131.	369.	426.	72.	0.	0.	0.	0.	0.	0.	998.	12.	0.0120	0.9880	0.4144
19	0.	0.	49.	397.	432.	108.	0.	0.	0.	0.	0.	0.	986.	23.	0.0233	0.9767	0.4095
20	0.	0.	1.	367.	466.	129.	0.	0.	0.	0.	0.	0.	963.	350.	0.3634	0.6366	0.3999
21	0.	0.	0.	195.	318.	100.	0.	0.	0.	0.	0.	0.	613.	178.	0.2903	0.7097	0.2546
22	0.	0.	0.	70.	264.	101.	0.	0.	0.	0.	0.	0.	435.	92.	0.2114	0.7886	0.1807
23	0.	0.	0.	30.	167.	146.	0.	0.	0.	0.	0.	0.	343.	90.	0.2623	0.7377	0.1425
24	0.	0.	0.	22.	97.	134.	0.	0.	0.	0.	0.	0.	253.	42.	0.1660	0.8340	0.1051
25	0.	0.	0.	19.	70.	122.	0.	0.	0.	0.	0.	0.	211.	34.	0.1611	0.8389	0.0877
26	0.	0.	0.	12.	55.	110.	0.	0.	0.	0.	0.	0.	177.	40.	0.2259	0.7741	0.0736
27	0.	0.	0.	0.	25.	112.	0.	0.	0.	0.	0.	0.	137.	22.	0.1605	0.8395	0.0569
28	0.	0.	0.	0.	10.	105.	0.	0.	0.	0.	0.	0.	115.	18.	0.1565	0.8435	0.0478
29	0.	0.	0.	0.	7.	90.	0.	0.	0.	0.	0.	0.	97.	15.	0.1546	0.8454	0.0403
30	0.	0.	0.	0.	5.	77.	0.	0.	0.	0.	0.	0.	82.	82.	1.0000	0.0000	0.0341
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
TOT	267.	1060.	3692.	4786.	4276.	1524.	0.	0.	0.	0.	0.	0.	14279.	1327.	0.0929	0.9071	10.7603
AVERAGE YOS			9.92	13.51	17.32	22.82	0.0	0.0	0.0	0.0	0.0	0.0	14.72				
PRODUCTIVITY			3313.	4743.	4276.	1524.	0.	0.	0.	0.	0.	0.	13856.				

ARMY WARRANT CURRENT OBJECTIVE--REVISED 9 JUNE 83

FILENAME= ACW02CAT CURRENT DATE= 12/16/83 TIME= 14:54:37

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	0.	0.	6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.
3	0.	0.	3.	3.	0.	0.	0.	0.	0.	7.	3.	0.	16.
4	0.	0.	0.	0.	0.	0.	0.	0.	0.	51.	3.	0.	54.
5	0.	0.	0.	0.	0.	0.	0.	0.	0.	29.	0.	0.	29.
6	0.	0.	0.	0.	0.	0.	0.	0.	0.	34.	0.	0.	34.
7	0.	0.	0.	1.	0.	0.	0.	0.	0.	32.	1.	0.	34.
8	0.	0.	1.	0.	0.	0.	0.	1.	0.	27.	0.	0.	29.
9	0.	0.	0.	1.	0.	0.	0.	0.	0.	20.	1.	0.	22.
10	0.	0.	0.	0.	0.	0.	0.	0.	0.	20.	0.	0.	20.
11	0.	0.	1.	0.	0.	0.	0.	0.	0.	15.	1.	0.	17.
12	0.	0.	0.	0.	0.	0.	0.	0.	0.	12.	1.	0.	13.
13	0.	0.	0.	0.	0.	0.	0.	0.	0.	9.	0.	0.	9.
14	0.	0.	0.	0.	0.	0.	0.	0.	0.	16.	0.	0.	16.
15	0.	0.	0.	0.	0.	0.	0.	0.	0.	9.	0.	0.	9.
16	0.	0.	0.	1.	0.	0.	0.	0.	0.	6.	2.	0.	9.
17	0.	0.	0.	0.	0.	0.	0.	0.	0.	12.	0.	0.	12.
18	0.	0.	1.	1.	0.	0.	0.	0.	0.	5.	5.	0.	12.
19	0.	0.	2.	7.	0.	0.	0.	0.	0.	14.	0.	0.	23.
20	0.	0.	4.	77.	0.	269.	0.	0.	0.	0.	0.	0.	350.
21	0.	0.	0.	3.	4.	171.	0.	0.	0.	0.	0.	0.	178.
22	0.	0.	1.	3.	0.	87.	1.	0.	0.	0.	0.	0.	92.
23	0.	0.	1.	3.	0.	86.	0.	0.	0.	0.	0.	0.	90.
24	0.	0.	0.	2.	0.	40.	0.	0.	0.	0.	0.	0.	42.
25	0.	0.	1.	0.	0.	33.	0.	0.	0.	0.	0.	0.	34.
26	0.	0.	1.	1.	7.	30.	1.	0.	0.	0.	0.	0.	40.
27	0.	0.	0.	2.	2.	18.	0.	0.	0.	0.	0.	0.	22.
28	0.	0.	0.	1.	0.	17.	0.	0.	0.	0.	0.	0.	18.
29	0.	0.	0.	1.	0.	14.	0.	0.	0.	0.	0.	0.	15.
30	0.	0.	1.	1.	80.	0.	0.	0.	0.	0.	0.	0.	82.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	0.	23.	108.	93.	765.	2.	1.	0.	318.	17.	0.	1327.
RETIRED POPULATION				4030.	2688. (----(	27109. 29864.	67.)----I						33893.

ARMY WARRANT CURRENT OBJECTIVE--REVISED 9 JUNE 83

FILENAME= ACW02CAT CURRENT DATE= 12/16/83 TIME= 14:54:38

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	3692.	4786.	4276.	1524.	0.	0.	0.	0.	0.	0.	14279.
****LOSSES****											
PROM-OUT	1287.	787.	367.	0.	0.	0.	0.	0.	0.	0.	2441.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	9.	2.	9.	3.	0.	0.	0.	0.	0.	0.	23.
LOSS:RET-DIS	3.	4.	53.	48.	0.	0.	0.	0.	0.	0.	108.
LOSS:RET-FC	0.	11.	7.	75.	0.	0.	0.	0.	0.	0.	93.
LOSS:RET-VOL	0.	232.	307.	226.	0.	0.	0.	0.	0.	0.	765.
LOSS:RET-INV	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.	2.
LOSS:OTH-DIS	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	1.
LOSS:OTH-FC	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-VOL	22.	242.	43.	11.	0.	0.	0.	0.	0.	0.	318.
LOSS:OTH-INV	6.	8.	0.	3.	0.	0.	0.	0.	0.	0.	17.
TOTAL LOSSES	1327.	1287.	787.	367.	0.	0.	0.	0.	0.	0.	3768.
****GAINS****											
GAINS TO	267.	0.	0.	0.	0.	0.	0.	0.	0.	0.	267.
GAINS OTHER	1060.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1060.
PROM-IN	0.	1287.	787.	367.	0.	0.	0.	0.	0.	0.	2441.
TOTAL GAINS	1327.	1287.	787.	367.	0.	0.	0.	0.	0.	0.	3768.
END STRENGTH	3692.	4786.	4276.	1524.	0.	0.	0.	0.	0.	0.	14279.

NAVY WARRANT CURRENT STEADY STATE

FILENAME= NCWD1CAT CURRENT DATE= 12/16/83 TIME= 14:54:45

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	500.	0.	0.	500.	0.	0.	0.	0.	0.	0.	0.	0.	500.	4.	0.0080	0.9920	1.0000
2	0.	0.	0.	496.	0.	0.	0.	0.	0.	0.	0.	0.	496.	109.	0.2198	0.7802	0.9920
3	0.	0.	0.	387.	0.	0.	0.	0.	0.	0.	0.	0.	387.	6.	0.0145	0.9855	0.7740
4	0.	0.	0.	19.	363.	0.	0.	0.	0.	0.	0.	0.	382.	42.	0.1099	0.8901	0.7627
5	0.	0.	0.	17.	323.	0.	0.	0.	0.	0.	0.	0.	340.	52.	0.1529	0.8471	0.6789
6	0.	0.	0.	16.	272.	0.	0.	0.	0.	0.	0.	0.	288.	16.	0.0556	0.9444	0.5751
7	0.	0.	0.	8.	19.	245.	0.	0.	0.	0.	0.	0.	272.	73.	0.2684	0.7316	0.5431
8	0.	0.	0.	0.	14.	185.	0.	0.	0.	0.	0.	0.	199.	63.	0.3166	0.6834	0.3973
9	0.	0.	0.	0.	3.	133.	0.	0.	0.	0.	0.	0.	136.	64.	0.4706	0.5294	0.271[illegible]
10	0.	0.	0.	0.	1.	71.	0.	0.	0.	0.	0.	0.	72.	15.	0.2084	0.7916	0.14[illegible]
11	0.	0.	0.	0.	0.	57.	0.	0.	0.	0.	0.	0.	57.	19.	0.3333	0.6667	0.11[illegible]
12	0.	0.	0.	0.	0.	38.	0.	0.	0.	0.	0.	0.	38.	7.	0.1842	0.8158	0.0759
13	0.	0.	0.	0.	0.	31.	0.	0.	0.	0.	0.	0.	31.	5.	0.1613	0.8387	0.0619
14	0.	0.	0.	0.	0.	26.	0.	0.	0.	0.	0.	0.	26.	7.	0.2692	0.7308	0.0519
15	0.	0.	0.	0.	0.	19.	0.	0.	0.	0.	0.	0.	19.	12.	0.6316	0.3684	0.0379
16	0.	0.	0.	0.	0.	7.	0.	0.	0.	0.	0.	0.	7.	7.	1.0000	0.0	0.0140
17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	500.	0.	0.	1444.	994.	811.	0.	0.	0.	0.	0.	0.	3249.	500.	0.1540	0.8460	6.4937
AVERAGE YOS			0.0	1.56	4.51	8.55	0.0	0.0	0.0	0.0	0.0	0.0	4.20				
PRODUCTIVITY			0.	373.	903.	811.	0.	0.	0.	0.	0.	0.	2087.				

NAVY WARRANT CURRENT STEADY STATE

FILENAME= NCW01CAT CURRENT DATE= 12/16/83 TIME= 14:54:46

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	4.
2	0.	92.	0.	0.	0.	15.	1.	0.	0.	0.	0.	0.	109.
3	0.	4.	1.	0.	0.	1.	0.	0.	0.	0.	0.	0.	6.
4	0.	4.	0.	0.	0.	37.	0.	0.	0.	0.	0.	0.	42.
5	0.	16.	0.	1.	0.	34.	1.	0.	0.	0.	0.	0.	52.
6	0.	2.	0.	0.	0.	10.	3.	0.	0.	0.	0.	0.	16.
7	0.	0.	0.	0.	0.	70.	2.	0.	0.	0.	1.	0.	73.
8	0.	4.	0.	2.	0.	55.	2.	0.	0.	0.	0.	0.	63.
9	0.	3.	0.	4.	0.	55.	1.	0.	0.	0.	0.	0.	64.
10	0.	0.	0.	0.	0.	14.	1.	0.	0.	0.	0.	0.	15.
11	0.	0.	0.	0.	0.	12.	7.	0.	0.	0.	0.	0.	19.
12	0.	0.	0.	0.	0.	3.	4.	0.	0.	0.	0.	0.	7.
13	0.	0.	0.	0.	0.	3.	2.	0.	0.	0.	0.	0.	5.
14	0.	0.	0.	0.	0.	2.	5.	0.	0.	0.	0.	0.	7.
15	0.	0.	0.	0.	0.	2.	10.	0.	0.	0.	0.	0.	12.
16	0.	0.	0.	0.	0.	0.	7.	0.	0.	0.	0.	0.	7.
17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	125.	3.	8.	0.	316.	47.	0.	0.	0.	2.	0.	500.
RETIRED POPULATION				379.	0.	11746.	1765.						13891.
					!----(	13511.	)----!						

NAVY WARRANT CURRENT STEADY STATE

FILENAME= NCW01CAT CURRENT DATE= 12/16/83 TIME= 14:54:47

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	1444.	994.	811.	0.	0.	0.	0.	0.	0.	3249.
****LOSSES****											
PROM-OUT	0.	364.	249.	0.	0.	0.	0.	0.	0.	0.	612.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	96.	22.	7.	0.	0.	0.	0.	0.	0.	125.
LOSS:DEATH	0.	1.	1.	1.	0.	0.	0.	0.	0.	0.	3.
LOSS:RET-DIS	0.	0.	1.	7.	0.	0.	0.	0.	0.	0.	8.
LOSS:RET-FC	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-VOL	0.	31.	86.	199.	0.	0.	0.	0.	0.	0.	316.
LOSS:RET-INV	0.	7.	5.	36.	0.	0.	0.	0.	0.	0.	47.
LOSS:OTH-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-FC	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-INV	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	2.
TOTAL LOSSES	0.	500.	364.	249.	0.	0.	0.	0.	0.	0.	1113.
****GAINS****											
GAINS TO	0.	500.	0.	0.	0.	0.	0.	0.	0.	0.	500.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	364.	249.	0.	0.	0.	0.	0.	0.	612.
TOTAL GAINS	0.	500.	364.	249.	0.	0.	0.	0.	0.	0.	1113.
END STRENGTH	0.	1444.	994.	811.	0.	0.	0.	0.	0.	0.	3249.

MARINE WARRANT CURRENT OBJ--1 CATEGORY

FILENAME= MCW01CAT CURRENT DATE= 12/16/83 TIME= 14:54:59

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	196.	0.	196.	0.	0.	0.	0.	0.	0.	0.	0.	0.	196.	2.	0.0080	0.9920	1.0000
2	0.	0.	194.	0.	0.	0.	0.	0.	0.	0.	0.	0.	194.	1.	0.0040	0.9960	0.9920
3	0.	0.	0.	194.	0.	0.	0.	0.	0.	0.	0.	0.	194.	75.	0.3880	0.6120	0.9880
4	0.	0.	0.	119.	0.	0.	0.	0.	0.	0.	0.	0.	119.	46.	0.3890	0.6110	0.6047
5	0.	0.	0.	72.	0.	0.	0.	0.	0.	0.	0.	0.	72.	11.	0.1490	0.8510	0.3695
6	0.	0.	0.	62.	0.	0.	0.	0.	0.	0.	0.	0.	62.	10.	0.1550	0.8450	0.3144
7	0.	0.	0.	0.	52.	0.	0.	0.	0.	0.	0.	0.	52.	1.	0.0145	0.9855	0.2657
8	0.	0.	0.	0.	51.	0.	0.	0.	0.	0.	0.	0.	51.	4.	0.0786	0.9214	0.2618
9	0.	0.	0.	0.	47.	0.	0.	0.	0.	0.	0.	0.	47.	3.	0.0630	0.9370	0.2412
10	0.	0.	0.	0.	44.	0.	0.	0.	0.	0.	0.	0.	44.	2.	0.0340	0.9660	0.2260
11	0.	0.	0.	0.	0.	43.	0.	0.	0.	0.	0.	0.	43.	6.	0.1310	0.8690	0.2184
12	0.	0.	0.	0.	0.	37.	0.	0.	0.	0.	0.	0.	37.	4.	0.1010	0.8990	0.1898
13	0.	0.	0.	0.	0.	33.	0.	0.	0.	0.	0.	0.	33.	5.	0.1382	0.8618	0.1706
14	0.	0.	0.	0.	0.	29.	0.	0.	0.	0.	0.	0.	29.	4.	0.1330	0.8670	0.1470
15	0.	0.	0.	0.	0.	25.	0.	0.	0.	0.	0.	0.	25.	3.	0.1087	0.8913	0.1275
16	0.	0.	0.	0.	0.	22.	0.	0.	0.	0.	0.	0.	22.	4.	0.1820	0.8180	0.1136
17	0.	0.	0.	0.	0.	18.	0.	0.	0.	0.	0.	0.	18.	4.	0.2230	0.7770	0.0929
18	0.	0.	0.	0.	0.	14.	0.	0.	0.	0.	0.	0.	14.	3.	0.2308	0.7692	0.0722
19	0.	0.	0.	0.	0.	11.	0.	0.	0.	0.	0.	0.	11.	2.	0.1890	0.8110	0.0555
20	0.	0.	0.	0.	0.	9.	0.	0.	0.	0.	0.	0.	9.	2.	0.2470	0.7530	0.0450
21	0.	0.	0.	0.	0.	7.	0.	0.	0.	0.	0.	0.	7.	2.	0.3330	0.6670	0.0339
22	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	4.	1.	0.2500	0.7500	0.0226
23	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	3.	1.	0.3333	0.6667	0.0170
24	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.	2.	1.0000	0.0	0.0113
25	0.	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	196.	0.	390.	446.	195.	258.	0.	0.	0.	0.	0.	0.	1290.	196.	0.1520	0.8480	6.5807
AVERAGE YOS			1.00	3.50	7.93	14.22	0.0	0.0	0.0	0.0	0.0	0.0	5.56				
PRODUCTIVITY			49.	320.	195.	258.	0.	0.	0.	0.	0.	0.	822.				

MARINE WARRANT CURRENT OBJ--1 CATEGORY

FILENAME= MCWO1CAT CURRENT DATE= 12/16/83 TIME= 15:55:01

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	2.
2	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	1.
3	0.	72.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	75.
4	0.	40.	0.	0.	0.	2.	0.	0.	0.	5.	0.	0.	46.
5	0.	9.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	11.
6	0.	8.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	10.
7	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
8	0.	0.	0.	0.	1.	2.	0.	0.	0.	1.	0.	0.	4.
9	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	3.
10	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.
11	0.	0.	0.	0.	2.	4.	0.	0.	0.	0.	0.	0.	6.
12	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	4.
13	0.	0.	0.	0.	1.	4.	0.	0.	0.	0.	0.	0.	5.
14	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	4.
15	0.	0.	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.	3.
16	0.	0.	0.	0.	1.	3.	0.	0.	0.	0.	0.	0.	4.
17	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	4.
18	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	3.
19	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.
20	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.
21	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.
22	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
23	0.	0.	0.	0.	0	1.	0.	0.	0.	0.	0.	0.	1.
24	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	2.
25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	128.	0.	0.	8.	49.	0.	0.	2.	9.	0.	0.	196.

RETIRED POPULATION 0. 283. 1800. 0. 2083.

|----(2083.)----|

MARINE WARRANT CURRENT OCC--1 CATEGORY

FILENAME= MCWOICAT CURRENT DATE= 12/16/83 TIME= 14:55:02

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	390.	446.	195.	258.	0.	0.	0.	0.	0.	0.	1290.
****LOSSES****											
PROM-OUT	194.	52.	43.	0.	0.	0.	0.	0.	0.	0.	289.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	128.	0.	0.	0.	0.	0.	0.	0.	0.	128.
LOSS:DEATH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-FC	0.	0.	1.	7.	0.	0.	0.	0.	0.	0.	8.
LOSS:RET-VOL	0.	5.	7.	36.	0.	0.	0.	0.	0.	0.	49.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-FC	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.
LOSS:OTH-VOL	0.	8.	1.	0.	0.	0.	0.	0.	0.	0.	9.
LOSS:OTH-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL LOSSES	196.	194.	52.	43.	0.	0.	0.	0.	0.	0.	485.
****GAINS****											
GAINS TO	196.	0.	0.	0.	0.	0.	0.	0.	0.	0.	196.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	194.	52.	43.	0.	0.	0.	0.	0.	0.	289.
TOTAL GAINS	196.	194.	52.	43.	0.	0.	0.	0.	0.	0.	485.
END STRENGTH	390.	446.	195.	258.	0.	0.	0.	0.	0.	0.	1290.

UNITED STATES COAST GUARD -- WARRANT OFFICER CURRENT OBJECTIVE

FILENAME= CCWO!CAT CURRENT DATE= 12/16/83 TIME= 14:57:23

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD1C	TOTAL	LOSSES	LOSS	RETN	CONT
1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
9	3.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.0	1.0000	1.0000
10	14.	0.	0.	17.	0.	0.	0.	0.	0.	0.	0.	0.	17.	1.	0.0714	0.9286	1.0000
11	11.	0.	0.	27.	0.	0.	0.	0.	0.	0.	0.	0.	27.	1.	0.0370	0.9630	0.9286
12	23.	0.	0.	46.	3.	0.	0.	0.	0.	0.	0.	0.	49.	1.	0.0199	0.9801	0.8942
13	20.	0.	0.	62.	6.	0.	0.	0.	0.	0.	0.	0.	68.	3.	0.0440	0.9560	0.8764
14	20.	0.	0.	75.	10.	0.	0.	0.	0.	0.	0.	0.	85.	3.	0.0352	0.9648	0.8378
15	25.	0.	0.	87.	20.	0.	0.	0.	0.	0.	0.	0.	107.	3.	0.0281	0.9719	0.8083
16	34.	0.	0.	107.	31.	0.	0.	0.	0.	0.	0.	0.	138.	9.	0.0653	0.9347	0.7857
17	16.	0.	0.	110.	35.	0.	0.	0.	0.	0.	0.	0.	145.	11.	0.0759	0.9241	0.7344
18	0.	0.	0.	79.	55.	0.	0.	0.	0.	0.	0.	0.	134.	33.	0.2463	0.7537	0.6787
19	0.	0.	0.	50.	48.	3.	0.	0.	0.	0.	0.	0.	101.	18.	0.1783	0.8217	0.5115
20	0.	0.	0.	30.	44.	9.	0.	0.	0.	0.	0.	0.	83.	13.	0.1566	0.8434	0.4203
21	0.	0.	0.	20.	39.	11.	0.	0.	0.	0.	0.	0.	70.	3.	0.0428	0.9572	0.3545
22	0.	0.	0.	15.	34.	18.	0.	0.	0.	0.	0.	0.	67.	4.	0.0597	0.9403	0.3393
23	0.	0.	0.	11.	30.	22.	0.	0.	0.	0.	0.	0.	63.	6.	0.0953	0.9047	0.3190
24	0.	0.	0.	7.	26.	24.	0.	0.	0.	0.	0.	0.	57.	4.	0.0702	0.9298	0.2886
25	0.	0.	0.	5.	22.	26.	0.	0.	0.	0.	0.	0.	53.	1.	0.0189	0.9811	0.2684
26	0.	0.	0.	4.	18.	30.	0.	0.	0.	0.	0.	0.	52.	2.	0.0385	0.9615	0.2633
27	0.	0.	0.	2.	14.	34.	0.	0.	0.	0.	0.	0.	50.	19.	0.3800	0.6200	0.2532
28	0.	0.	0.	1.	7.	23.	0.	0.	0.	0.	0.	0.	31.	13	0.4194	0.5806	0.1570
29	0.	0.	0.	1.	4.	13.	0.	0.	0.	0.	0.	0.	18.	5	0.2778	0.7222	0.0911
30	0.	0.	0.	1.	3.	9.	0.	0.	0.	0.	0.	0.	13.	8.	0.6154	0.3846	0.0658
31	0.	0.	0.	0.	0.	5.	0.	0.	0.	0.	0.	0.	5.	1.	0.2000	0.8000	0.0253
32	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	4.	4.	1.0000	0.0	0.0203
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	166.	0.	0.	761.	449.	231.	0.	0.	0.	0.	0.	0.	1440.	166.	0.1154	0.8846	8.6690
AVERAGE YOS			0.0	15.67	19.78	24.90	0.0	0.0	0.0	0.0	0.0	0.0	18.43				
PRODUCTIVITY			0.	760.	449.	231.	0.	0.	0.	0.	0.	0.	1440.				

UNITED STATES COAST GUARD -- WARRANT OFFICER CURRENT OBJECTIVE

FILENAME= CCW01CAT CURRENT DATE= 12/16/83 TIME= 14:57:23

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	1.
11	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	1.
12	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	1.
13	0.	1.	0.	1.	0.	0.	0.	0.	1.	0.	0.	0.	3.
14	0.	1.	0.	1.	0.	0.	0.	0.	1.	0.	0.	0.	3.
15	0.	2.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	3.
16	0.	6.	1.	0.	0.	0.	0.	0.	2.	0.	0.	0.	9.
17	0.	8.	0.	1.	0.	0.	0.	0.	2.	0.	0.	0.	11.
18	0.	28.	0.	0.	0.	0.	0.	0.	5.	0.	0.	0.	33.
19	0.	16.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	18.
20	0.	0.	0.	0.	13.	0.	0.	0.	0.	0.	0.	0.	13.
21	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	3.
22	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	0.	4.
23	0.	0.	0.	0.	6.	0.	0.	0.	0.	0.	0.	0.	6.
24	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	0.	4.
25	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.
26	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	2.
27	0.	0.	0.	0.	19.	0.	0.	0.	0.	0.	0.	0.	19.
28	0.	0.	0.	0.	13.	0.	0.	0.	0.	0.	0.	0.	13.
29	0.	0.	0.	0.	5.	0.	0.	0.	0.	0.	0.	0.	5.
30	0.	0.	0.	0.	8.	0.	0.	0.	0.	0.	0.	0.	8.
31	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.
32	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	0.	4.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	62.	1.	3.	83.	0.	0.	0.	17.	0.	0.	0.	166.
RETIRED POPULATION				126.	2649.	0.	0.						2775.
					2649.								

UNITED STATES COAST GUARD -- WARRANT OFFICER CURRENT OBJECTIVE

FILENAME= CGWO1CAT CURRENT DATE= 12/16/83 TIME= 14:57:25

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	761.	449.	231.	0.	0.	0.	0.	0.	0.	1440.
****LOSSES****											
PROM-OUT	0.	67.	43.	0.	0.	0.	0.	0.	0.	0.	110.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	62.	0.	0.	0.	0.	0.	0.	0.	0.	62.
LOSS:DEATH	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.
LOSS:RET-DIS	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	3.
LOSS:RET-FC	0.	24.	16.	43.	0.	0.	0.	0.	0.	0.	83.
LOSS:RET-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-FC	0.	13.	4.	0.	0.	0.	0.	0.	0.	0.	17.
LOSS:OTH-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL LOSSES	0.	166.	67.	43.	0.	0.	0.	0.	0.	0.	276.
****GAINS****											
GAINS TO	0.	166.	0.	0.	0.	0.	0.	0.	0.	0.	166.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	67.	43.	0.	0.	0.	0.	0.	0.	110.
TOTAL GAINS	0.	166.	67.	43.	0.	0.	0.	0.	0.	0.	276.
END STRENGTH	0.	761.	449.	231.	0.	0.	0.	0.	0.	0.	1440.

ARMY ENLISTED CURRENT OBJECTIVE REBUILT--9 CATEGORIES

FILENAME= ACE09CAT CURRENT DATE= 12/16/83 TIME= 14:53:09

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	132357.	0.	0.	0.	132357.	0.	0.	0.	0.	0.	0.	0.	132357.	17169.	0.1297	0.8703	1.0000
2	327.	0.	0.	0.	67778.	47737.	0.	0.	0.	0.	0.	0.	115516.	9861.	0.0854	0.9146	0.8703
3	863.	0.	0.	0.	23379.	77940.	5198.	0.	0.	0.	0.	0.	106517.	57134.	0.5364	0.4636	0.7960
4	2432.	0.	0.	0.	5777.	28778.	17260.	0.	0.	0.	0.	0.	51816.	20416.	0.3940	0.6060	0.3690
5	144.	0.	0.	0.	0.	11302.	20241.	0.	0.	0.	0.	0.	31543.	3253.	0.1031	0.8969	0.2236
6	10.	0.	0.	0.	0.	5363.	22263.	674.	0.	0.	0.	0.	28300.	3470.	0.1226	0.8774	0.2006
7	12.	0.	0.	0.	0.	3549.	19209.	2084.	0.	0.	0.	0.	24842.	2797.	0.1126	0.8874	0.1760
8	23.	0.	0.	0.	0.	2392.	12652.	6971.	54.	0.	0.	0.	22069.	3006.	0.1362	0.8638	0.1562
9	22.	0.	0.	0.	0.	1679.	6443.	10888.	74.	0.	0.	0.	19084.	2368.	0.1241	0.8759	0.1349
10	20.	0.	0.	0.	0.	1314.	3736.	11470.	216.	0.	0.	0.	16736.	2482.	0.1483	0.8517	0.1182
11	0.	0.	0.	0.	0.	0.	2515.	11301.	438.	0.	0.	0.	14254.	1184.	0.0831	0.9169	0.1006
12	1.	0.	0.	0.	0.	0.	1911.	9202.	1924.	34.	0.	0.	13071.	806.	0.0616	0.9384	0.0923
13	4.	0.	0.	0.	0.	0.	1559.	7341.	3316.	54.	0.	0.	12270.	906.	0.0738	0.9262	0.0866
14	2.	0.	0.	0.	0.	0.	1223.	4681.	5379.	83.	0.	0.	11366.	479.	0.0421	0.9579	0.0802
15	3.	0.	0.	0.	0.	0.	1091.	3479.	6174.	146.	0.	0.	10890.	408.	0.0375	0.9625	0.0768
16	1.	0.	0.	0.	0.	0.	1018.	2669.	6500.	296.	0.	0.	10483.	318.	0.0303	0.9697	0.0739
17	4.	0.	0.	0.	0.	0.	964.	2202.	6374.	618.	11.	0.	10169.	274.	0.0269	0.9731	0.0717
18	0.	0.	0.	0.	0.	0.	926.	1991.	5866.	1097.	15.	0.	9895.	321.	0.0325	0.9675	0.0698
19	0.	0.	0.	0.	0.	0.	889.	1878.	4750.	2033.	24.	0.	9574.	359.	0.0375	0.9625	0.0675
20	0.	0.	0.	0.	0.	0.	841.	1772.	3879.	2679.	43.	0.	9215.	3685.	0.3999	0.6001	0.0650
21	0.	0.	0.	0.	0.	0.	498.	1012.	1534.	2406.	79.	0.	5530.	2106.	0.3809	0.6191	0.0390
22	0.	0.	0.	0.	0.	0.	0.	644.	568.	2055.	156.	0.	3424.	870.	0.2542	0.7458	0.0241
23	0.	0.	0.	0.	0.	0.	0.	463.	339.	1456.	295.	0.	2553.	886.	0.3471	0.6529	0.0180
24	0.	0.	0.	0.	0.	0.	0.	0.	225.	856.	586.	0.	1667.	500.	0.2999	0.7001	0.0118
25	0.	0.	0.	0.	0.	0.	0.	0.	135.	432.	600.	0.	1167.	133.	0.1140	0.8860	0.0082
26	0.	0.	0.	0.	0.	0.	0.	0.	112.	306.	616.	0.	1034.	297.	0.2872	0.7128	0.0073
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	183.	554.	0.	737.	189.	0.2565	0.7435	0.0052
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	101.	447.	0.	548.	136.	0.2482	0.7518	0.0039
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	65.	347.	0.	412.	89.	0.2160	0.7840	0.0029
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	51.	272.	0.	323.	323.	1.0000	0.0	0.0023
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	136225.	0.	0.	0.	229292.	180054.	120438.	80722.	47858.	14953.	4045.	0.	677360.	136225.	0.2011	0.7989	4.9724
AVERAGE YOS			0.0	0.0	1.08	2.86	6.54	11.49	16.05	20.33	25.32	0.0	5.39				
PRODUCTIVITY			0.	0.	32967.	98086.	113524.	80722.	47858.	14953.	4045.	0.	392156.				

ARMY ENLISTED CURRENT OBJECTIVE REBUILT--9 CATEGORIES

FILENAME= ACE09CAT CURRENT DATE= 12/16/83 TIME= 14:53:11

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	22.	71.	92.	0.	0.	0.	588.	262.	646.	15438.	0.	17169.
2	0.	97.	168.	134.	0.	0.	0.	233.	2.	2718.	6510.	0.	9861.
3	0.	40.	457.	800.	0.	0.	0.	435.	27.	34525.	20849.	0.	57134.
4	0.	50.	39.	119.	0.	0.	0.	79.	5713.	13612.	804.	0.	20416.
5	0.	52.	23.	31.	0.	0.	0.	14.	0.	2827.	306.	0.	3253.
6	0.	65.	50.	79.	0.	0.	0.	33.	15.	2472.	756.	0.	3470.
7	0.	86.	23.	34.	0.	0.	0.	16.	3.	2332.	303.	0.	2797.
8	0.	97.	27.	81.	0.	0.	0.	29.	11.	2367.	395.	0.	3006.
9	0.	90.	33.	61.	0.	0.	0.	29.	9	1873.	273.	0.	2368.
10	0.	133.	23.	41.	0.	0.	0.	21.	1306.	834.	124.	0.	2482.
11	0.	85.	37.	78.	0.	0.	0.	8.	11.	784.	181.	0.	1184.
12	0.	82.	27.	35.	0.	0.	0.	10.	10.	528.	114.	0.	806.
13	0.	74.	20.	87.	0.	0.	0.	4.	8.	578.	135.	0.	906.
14	0.	91.	14.	52.	0.	0.	0.	5.	4.	258.	55.	0.	479.
15	0.	40.	14.	65.	0.	0.	0.	3.	29.	215.	42.	0.	408.
16	0.	38.	18.	60.	0.	0.	0.	4.	10.	132.	56.	0.	318.
17	0.	19.	32.	64.	0.	0.	0.	12.	4.	123.	20.	0.	274.
18	0.	9.	62.	76.	0.	0.	0.	0.	19.	105.	50.	0.	321.
19	0.	4.	26.	103.	0.	0.	0.	36.	6.	180.	4.	0.	359.
20	0.	0.	6.	102.	8.	3569.	0.	0.	0.	0.	0.	0.	3685.
21	0.	0.	2.	51.	498.	1555.	0.	0.	0.	0.	0.	0.	2106.
22	0.	0.	2.	34.	0.	834.	0.	0.	0.	0.	0.	0.	870.
23	0.	0.	4.	16.	462.	404.	0.	0.	0.	0.	0.	0.	886.
24	0.	0.	4.	22.	0.	474.	0.	0.	0.	0.	0.	0.	500.
25	0.	0.	0.	6.	0.	127.	0.	0.	0.	0.	0.	0.	133.
26	0.	0.	10.	17.	108.	162.	0.	0.	0.	0.	0.	0.	297.
27	0.	0.	0.	5.	0.	184.	0.	0.	0.	0.	0.	0.	189.
28	0.	0.	1.	1.	0.	134.	0.	0.	0.	0.	0.	0.	136.
29	0.	0.	0.	2.	1.	86.	0.	0.	0.	0.	0.	0.	89.
30	0.	0.	1.	10.	312.	0.	0.	0.	0.	0.	0.	0.	323.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	1174.	1194.	2358.	1389.	7530.	0.	1558.	7448.	67109.	46465.	0.	136225.
RETIRED POPULATION				105152.	43219.	251787.	0.						400159.
					I----(	295007.	)----I						

ARMY ENLISTED CURRENT OBJECTIVE REBUILT--9 CATEGORIES

FILENAME= ACE09CAT CURRENT DATE= 12/16/83 TIME= 14:53:13

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	229292.	180054.	120438.	80722.	47858.	14953.	4045.	0.	677362.
****LOSSES****											
PROM-OUT	0.	0.	90942.	35091.	16184.	8469.	4375.	1104.	0.	0.	156164.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	102.	86.	187.	465.	332.	2.	0.	0.	1174.
LOSS:DEATH	0.	0.	179.	546.	136.	151.	141.	31.	11.	0.	1194.
LOSS:RET-DIS	0.	0.	341.	808.	275.	346.	418.	140.	30.	0.	2358.
LOSS:RET-FC	0.	0.	0.	0.	495.	466.	111.	52.	265.	0.	1389.
LOSS:RET-VOL	0.	0.	0.	0.	326.	1156.	2302.	2948.	797.	0.	7530.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	795.	533.	120.	60.	46.	4.	0.	0.	1558.
LOSS:OTH-FC	0.	0.	5982.	1329.	35.	52.	50.	0.	0.	0.	7448.
LOSS:OTH-VOL	0.	0.	4298.	41688.	16079.	4376.	574.	92.	1.	0.	67109.
LOSS:OTH-INV	0.	0.	31652.	12327.	1705.	658.	120.	2.	0.	0.	46465.
TOTAL LOSSES	0.	0.	134291.	92407.	35542.	16200.	8470.	4375.	1104.	0.	292389.
****GAINS****											
GAINS TO	0.	0.	134291.	1465.	452.	16.	1.	0.	0.	0.	136225.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	90942.	35091.	16184.	8469.	4375.	1104.	0.	156164.
TOTAL GAINS	0.	0.	134291.	92407.	35543.	16200.	8470.	4375.	1104.	0.	292389.
END STRENGTH	0.	0.	229292.	180054.	120438.	80722.	47858.	14953.	4045.	0.	677362.

NAVY ENLISTED CURRENT STEADY STATE

FILENAME= NCE09CAT CURRENT DATE= 12/16/83 TIME= 14:53:34

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	78065.	0.	0.	0.	78065.	0.	0.	0.	0.	0.	0.	0.	78065.	16565.	0.2122	0.7878	1.0000
2	1833.	0.	0.	0.	48094.	15240.	0.	0.	0.	0.	0.	0.	63334.	8122.	0.1282	0.8718	0.7878
3	3164.	0.	0.	0.	23631.	31298.	3446.	0.	0.	0.	0.	0.	58375.	9557.	0.1637	0.8363	0.6868
4	3268.	0.	0.	0.	7391.	33044.	11651.	0.	0.	0.	0.	0.	52086.	25381.	0.4873	0.5127	0.5743
5	1420.	0.	0.	0.	0.	12951.	15175.	0.	0.	0.	0.	0.	28125.	6760.	0.2404	0.7596	0.2945
6	1014.	0.	0.	0.	0.	6795.	14043.	1541.	0.	0.	0.	0.	22379.	5132.	0.2293	0.7707	0.2237
7	1020.	0.	0.	0.	0.	3374.	10270.	4623.	0.	0.	0.	0.	18267.	2124.	0.1163	0.8837	0.1724
8	536.	0.	0.	0.	0.	1326.	9869.	5483.	0.	0.	0.	0.	16679.	2606.	0.1563	0.8437	0.1523
9	320.	0.	0.	0.	0.	345.	7840.	5822.	385.	0.	0.	0.	14392.	1649.	0.1146	0.8854	0.1285
10	248.	0.	0.	0.	0.	0.	6653.	5246.	1092.	0.	0.	0.	12992.	1475.	0.1136	0.8864	0.1138
11	183.	0.	0.	0.	0.	0.	5195.	4466.	2038.	0.	0.	0.	11699.	764.	0.0653	0.9347	0.1009
12	154.	0.	0.	0.	0.	0.	4057.	4775.	2242.	15.	0.	0.	11089.	736.	0.0664	0.9336	0.0943
13	187.	0.	0.	0.	0.	0.	2943.	5077.	2463.	57.	0.	0.	10540.	550.	0.0522	0.9478	0.0880
14	189.	0.	0.	0.	0.	0.	1974.	5474.	2615.	116.	0.	0.	10180.	546.	0.0537	0.9463	0.0835
15	169.	0.	0.	0.	0.	0.	1160.	5663.	2785.	193.	1.	0.	9802.	442.	0.0451	0.9549	0.0790
16	143.	0.	0.	0.	0.	0.	606.	5583.	3018.	285.	11.	0.	9503.	383.	0.0403	0.9597	0.0754
17	115.	0.	0.	0.	0.	0.	277.	5252.	3129.	545.	32.	0.	9235.	295.	0.0320	0.9680	0.0724
18	95.	0.	0.	0.	0.	0.	119.	4757.	3262.	812.	85.	0.	9035.	297.	0.0329	0.9671	0.0701
19	96.	0.	0.	0.	0.	0.	0.	4228.	3370.	1064.	172.	0.	8834.	1392.	0.1576	0.8424	0.0678
20	70.	0.	0.	0.	0.	0.	0.	3056.	2996.	1178.	282.	0.	7512.	3099.	0.4125	0.5875	0.0571
21	49.	0.	0.	0.	0.	0.	0.	1311.	1829.	948.	374.	0.	4462.	1265.	0.2835	0.7165	0.0335
22	51.	0.	0.	0.	0.	0.	0.	781.	1299.	802.	366.	0.	3248.	801.	0.2466	0.7534	0.0240
23	40.	0.	0.	0.	0.	0.	0.	494.	966.	680.	347.	0.	2487.	698.	0.2807	0.7193	0.0181
24	38.	0.	0.	0.	0.	0.	0.	277.	645.	571.	334.	0.	1827.	439.	0.2403	0.7597	0.0130
25	40.	0.	0.	0.	0.	0.	0.	152.	429.	487.	360.	0.	1428.	311.	0.2178	0.7822	0.0099
26	30.	0.	0.	0.	0.	0.	0.	85.	269.	392.	401.	0.	1147.	318.	0.2773	0.7227	0.0077
27	32.	0.	0.	0.	0.	0.	0.	44.	148.	267.	402.	0.	861.	204.	0.2369	0.7631	0.0056
28	26.	0.	0.	0.	0.	0.	0.	22.	80.	173.	408.	0.	683.	114.	0.1669	0.8331	0.0043
29	22.	0.	0.	0.	0.	0.	0.	11.	49.	112.	419.	0.	591.	164.	0.2775	0.7225	0.0036
30	21.	0.	0.	0.	0.	0.	0.	3.	26.	60.	359.	0.	448.	256.	0.5714	0.4286	0.0026
31	0.	0.	0.	0.	0.	0.	0.	1.	5.	15.	171.	0.	192.	105.	0.5469	0.4531	0.0011
32	3.	0.	0.	0.	0.	0.	0.	0.	4.	11.	75.	0.	90.	52.	0.5742	0.4258	0.0005
33	1.	0.	0.	0.	0.	0.	0.	0.	0.	4.	34.	0.	38.	20.	0.5334	0.4666	0.0002
34	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	19.	0.	19.	1.	0.0794	0.9206	0.0001
35	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	18.	0.	18.	18.	1.0000	0.0	0.0001
TOT	92644.	0.	0.	0.	157181.	104372.	95278.	74229.	35145.	8786.	4670.	0.	479660.	92643.	0.1931	0.8069	5.1775
AVERAGE YOS			0.0	0.0	1.25	3.33	6.96	12.99	16.27	20.55	24.73	0.0	6.33				
PRODUCTIVITY			0.	0.	29382.	69032.	90642.	74229.	35145.	8786.	4670.	0.	311888.				

NAVY ENLISTED CURRENT STEADY STATE

FILENAME= NCE09CAT CURRENT DATE= 12/16/83 TIME= 14:53:34

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	138.	47.	0.	0.	0.	0.	0.	4054.	7.	12319.	0.	16565.
2	0.	178.	85.	43.	0.	1.	0.	0.	0.	5.	7810.	0.	8122.
3	0.	216.	53.	85.	0.	5.	0.	0.	5947.	6.	3246.	0.	9557.
4	0.	212.	105.	62.	0.	44.	0.	0.	22307.	5.	2647.	0.	25381.
5	0.	113.	43.	72.	0.	6.	0.	0.	5454.	3.	1059.	0.	6760.
6	0.	91.	27.	68.	0.	2.	0.	0.	4415.	2.	527.	0.	5132.
7	0.	62.	2.	4.	0.	1.	0.	0.	1583.	1.	470.	0.	2124.
8	0.	50.	5.	10.	0.	1.	0.	0.	2066.	1.	473.	0.	2606.
9	0.	34.	4.	6.	0.	25.	0.	0.	1225.	1.	354.	0.	1649.
10	0.	38.	11.	33.	0.	3.	0.	0.	1102.	1.	288.	0.	1475.
11	0.	29.	10.	37.	0.	3.	0.	0.	477.	1.	207.	0.	764.
12	0.	23.	18.	25.	0.	5.	0.	0.	503.	1.	160.	0.	736.
13	0.	59.	14.	6.	0.	6.	0.	0.	237.	1.	227.	0.	550.
14	0.	69.	14.	32.	0.	7.	0.	0.	220.	1.	203.	0.	546.
15	0.	67.	7.	15.	0.	11.	0.	0.	164.	1.	176.	0.	442.
16	0.	60.	11.	30.	0.	35.	0.	0.	109.	1.	138.	0.	383.
17	0.	58.	12.	5.	0.	38.	0.	0.	55.	0.	127.	0.	295.
18	0.	76.	12.	22.	0.	67.	0.	0.	47.	0.	74.	0.	297.
19	0.	79.	6.	11.	0.	1186.	0.	0.	21.	1.	89.	0.	1392.
20	0.	60.	5.	89.	0.	2592.	0.	0.	21.	0.	332.	0.	3099.
21	0.	35.	1.	397.	0.	692.	0.	0.	18.	0.	122.	0.	1265.
22	0.	24.	1.	59.	0.	642.	0.	0.	13.	0.	62.	0.	801.
23	0.	15.	0.	62.	0.	577.	0.	0.	3.	0.	40.	0.	698.
24	0.	7.	0.	55.	0.	348.	0.	0.	0.	0.	29.	0.	439.
25	0.	5.	0.	7.	0.	267.	0.	0.	0.	0.	31.	0.	311.
26	0.	2.	0.	7.	0.	284.	0.	0.	0.	0.	25.	0.	318.
27	0.	2.	0.	7.	0.	176.	0.	0.	0.	0.	19.	0.	204.
28	0.	2.	0.	7.	0.	95.	0.	0.	0.	0.	10.	0.	114.
29	0.	0.	0.	6.	0.	151.	0.	0.	0.	0.	7.	0.	164.
30	0.	0.	0.	4.	0.	239.	0.	0.	0.	0.	13.	0.	256.
31	0.	0.	0.	18.	0.	74.	0.	0.	0.	0.	13.	0.	105.
32	0.	0.	0.	0.	0.	45.	0.	0.	0.	0.	6.	0.	52.
33	0.	0.	0.	0.	0.	19.	0.	0.	0.	0.	1.	0.	20.
34	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
35	0.	0.	0.	0.	0.	18.	0.	0.	0.	0.	0.	0.	18.
	0.	1804.	491.	1284.	0.	7667.	0.	0.	50041.	40.	31317.	0.	92643.
RETIRED POPULATION				49553.	0.	252381.	0.						301934.
					)----(	252381.	)----(						

NAVY ENLISTED CURRENT STEADY STATE

FILENAME= NCE09CAT CURRENT DATE= 12/16/83 TIME= 14:53:35

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	157181.	104372.	95278.	74229.	35145.	8786.	4670.	0.	479663.
****LOSSES****											
PROM-OUT	0.	0.	43323.	18887.	10641.	6094.	2482.	989.	0.	0.	82417.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	318.	442.	286.	190.	481.	87.	0.	0.	1804.
LOSS:DEATH	0.	0.	153.	157.	72.	72.	38.	0.	0.	0.	491.
LOSS:RET-DIS	0.	0.	79.	179.	139.	539.	259.	47.	42.	0.	1284.
LOSS:RET-FC	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-VOL	0.	0.	37.	12.	18.	2531.	2578.	1360.	1130.	0.	7667.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-FC	0.	0.	11378.	25353.	11336.	1886.	59.	15.	13.	0.	50041.
LOSS:OTH-VOL	0.	0.	13.	11.	10.	3.	1.	1.	0.	0.	40.
LOSS:OTH-INV	0.	0.	22764.	4216.	2159.	1255.	635.	219.	69.	0.	31317.
TOTAL LOSSES	0.	0.	78065.	49258.	24661.	12569.	6533.	2718.	1255.	0.	175060.
****GAINS****											
GAINS TO	0.	0.	78065.	5935.	5774.	1928.	440.	236.	266.	0.	92644.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	43323.	18887.	10641.	6094.	2482.	989.	0.	82417.
TOTAL GAINS	0.	0.	78065.	49258.	24661.	12569.	6534.	2718.	1255.	0.	175061.
END STRENGTH	0.	0.	157181.	104372.	95278.	74229.	35146.	8786.	4670.	0.	479664.

MARINE CURRENT OBJ ENLISTED RUN ON 10 AUG 83

FILENAME= MCE09CAT CURRENT DATE= 12/16/83 TIME= 14:53:53

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	29490.	2.	0.	0.	29492.	0.	0.	0.	0.	0.	0.	0.	29492.	1046.	0.0355	0.9645	1.0000
2	0.	562.	0.	0.	24341.	4567.	0.	0.	0.	0.	0.	0.	29008.	2879.	0.0992	0.9008	0.9645
3	0.	1092.	0.	0.	12310.	14343.	0.	0.	0.	0.	0.	0.	26653.	4978.	0.1868	0.8132	0.8688
4	0.	436.	0.	0.	6595.	13632.	851.	0.	0.	0.	0.	0.	21078.	6008.	0.2851	0.7149	0.7066
5	0.	104.	0.	0.	4222.	5157.	5169.	0.	0.	0.	0.	0.	14548.	4948.	0.3401	0.6599	0.5051
6	0.	1622.	0.	0.	2089.	283.	8466.	0.	0.	0.	0.	0.	10838.	2413.	0.2225	0.7774	0.3333
7	0.	1293.	0.	0.	1518.	107.	7334.	0.	0.	0.	0.	0.	8959.	2653.	0.2962	0.7038	0.2591
8	0.	673.	0.	0.	1088.	14.	3812.	1728.	0.	0.	0.	0.	6642.	2445.	0.3681	0.6319	0.1824
9	0.	0.	0.	0.	0.	0.	982.	3215.	0.	0.	0.	0.	4197.	620.	0.1477	0.8523	0.1152
10	0.	0.	0.	0.	0.	0.	180.	3397.	0.	0.	0.	0.	3577.	493.	0.1378	0.8622	0.0982
11	0.	0.	0.	0.	0.	0.	32.	3052.	0.	0.	0.	0.	3084.	683.	0.2215	0.7785	0.0847
12	0.	0.	0.	0.	0.	0.	0.	1879.	522.	0.	0.	0.	2401.	492.	0.2049	0.7951	0.0659
13	0.	0.	0.	0.	0.	0.	0.	744.	1165.	0.	0.	0.	1909.	326.	0.1708	0.8292	0.0524
14	0.	93.	0.	0.	0.	0.	0.	148.	1528.	0.	0.	0.	1676.	182.	0.1086	0.8914	0.0435
15	0.	108.	0.	0.	0.	0.	0.	0.	1514.	0.	0.	0.	1514.	176.	0.1163	0.8837	0.0387
16	0.	120.	0.	0.	0.	0.	0.	0.	1353.	1.	0.	0.	1354.	110.	0.0812	0.9188	0.0342
17	0.	0.	0.	0.	0.	0.	0.	0.	1035.	125.	0.	0.	1160.	194.	0.1673	0.8327	0.0315
18	0.	0.	0.	0.	0.	0.	0.	0.	657.	309.	0.	0.	966.	207.	0.2143	0.7857	0.0262
19	0.	46.	0.	0.	0.	0.	0.	0.	333.	472.	0.	0.	805.	162.	0.2012	0.7983	0.0206
20	0.	88.	0.	0.	0.	0.	0.	0.	96.	580.	0.	0.	676.	76.	0.1124	0.8876	0.0164
21	0.	105.	0.	0.	0.	0.	0.	0.	2.	613.	12.	0.	627.	174.	0.2774	0.7226	0.0146
22	0.	0.	0.	0.	0.	0.	0.	0.	0.	377.	41.	0.	418.	111.	0.2655	0.7345	0.0105
23	0.	0.	0.	0.	0.	0.	0.	0.	0.	230.	77.	0.	307.	66.	0.2150	0.7850	0.0077
24	0.	0.	0.	0.	0.	0.	0.	0.	0.	116.	125.	0.	241.	47.	0.1950	0.8050	0.0061
25	0.	0.	0.	0.	0.	0.	0.	0.	0.	55.	139.	0.	194.	33.	0.1701	0.8299	0.0049
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	20.	141.	0.	161.	15.	0.0932	0.9068	0.0041
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	143.	0.	146.	30.	0.2055	0.7945	0.0037
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	116.	0.	116.	13.	0.1121	0.8879	0.0029
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	103.	0.	103.	13.	0.1262	0.8738	0.0026
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	90.	0.	90.	13.	0.1444	0.8556	0.0023
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	77.	0.	77.	44.	0.5715	0.4285	0.0019
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	33.	0.	33.	21.	0.6364	0.3636	0.0008
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	12.	0.	12.	5.	0.4167	0.5833	0.0003
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.	0.	7.	6.	0.8571	0.1429	0.0002
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.	1.	1.0000	0.0	0.0000
TOT	29490.	6344.	0.	0.	81654.	38203.	26825.	14163.	8205.	2901.	1117.	0.	173068.	31683.	0.1831	0.8169	5.4626
AVERAGE YOS			0.0	0.0	1.88	3.04	5.94	9.71	14.72	20.01	26.33	0.0	4.48				
PRODUCTIVITY			0.	0.	26103.	24123.	26613.	14163.	8205.	2901.	1117.	0.	103224.				

MARINE CURRENT OBJ ENLISTED RUN ON 10 AUG 83

FILENAME= MCE09CAT CURRENT DATE= 12/16/83 TIME= 14:53:54

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	16.	16.	0.	0.	0.	126.	681.	72.	140.	0.	1046.
2	569.	3.	25.	30.	0.	0.	0.	261.	1847.	444.	269.	0.	2879.
3	1034.	264.	67.	129.	0.	0.	0.	577.	1936.	1662.	353.	0.	4978.
4	626.	34.	52.	55.	0.	1.	0.	167.	860.	4715.	125.	0.	6008.
5	384.	8.	9.	12.	1.	0.	0.	40.	545.	4296.	38.	0.	4948.
6	759.	60.	29.	142.	0.	1.	0.	48.	781.	1246.	105.	0.	2413.
7	337.	116.	19.	46.	0.	0.	0.	41.	492.	1882.	58.	0.	2653.
8	0.	126.	14.	10.	0.	0.	0.	12.	689.	1570.	25.	0.	2445.
9	0.	147.	5.	17.	0.	0.	0.	2.	48.	390.	12.	0.	620.
10	0.	126.	7.	11.	0.	0.	0.	7.	35.	299.	7.	0.	493.
11	0.	233.	13.	19.	0.	0.	0.	5.	87.	302.	24.	0.	683.
12	0.	148.	1.	21.	0.	0.	0.	0.	71.	244.	7.	0.	492.
13	0.	159.	2.	2.	0.	0.	0.	3.	26.	116.	18.	0.	326.
14	88.	99.	1.	13.	0.	0.	0.	3.	8.	58.	0.	0.	182.
15	104.	86.	42.	5.	0.	0.	0.	0.	16.	22.	5.	0.	176.
16	84.	0.	1.	15.	0.	0.	0.	0.	16.	64.	14.	0.	110.
17	0.	3.	25.	18.	0.	0.	0.	3.	49.	96.	0.	0.	194.
18	0.	0.	6.	18.	0.	0.	0.	15.	57.	35.	75.	0.	207.
19	55.	0.	0.	15.	7.	0.	0.	8.	63.	14.	54.	0.	162.
20	78.	0.	3.	3.	32.	31.	0.	1.	4.	1.	0.	0.	76.
21	35.	0.	0.	5.	154.	13.	0.	0.	0.	0.	1.	0.	174.
22	0.	0.	0.	3.	97.	10.	0.	0.	0.	0.	0.	0.	111.
23	0.	0.	0.	0.	56.	9.	0.	0.	0.	0.	0.	0.	66.
24	0.	0.	1.	4.	37.	5.	0.	0.	0.	0.	0.	0.	47.
25	0.	0.	0.	2.	28.	3.	0.	0.	0.	0.	0.	0.	33.
26	0.	0.	0.	1.	14.	0.	0.	0.	0.	0.	0.	0.	15.
27	0.	0.	0.	1.	26.	4.	0.	0.	0.	0.	0.	0.	30.
28	0.	0.	1.	0.	12.	0.	0.	0.	0.	0.	0.	0.	13.
29	0.	0.	0.	0.	10.	3.	0.	0.	0.	0.	0.	0.	13.
30	0.	0.	1.	0.	10.	2.	0.	0.	0.	0.	0.	0.	13.
31	0.	0.	0.	1.	5.	37.	0.	0.	1.	0.	0.	0.	44.
32	0.	0.	0.	1.	4.	15.	0.	0.	0.	0.	0.	0.	21.
33	0.	0.	0.	0.	0.	5.	0.	0.	0.	0.	0.	0.	5.
34	0.	0.	0.	0.	1.	5.	0.	0.	0.	0.	0.	0.	6.
35	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
	4152.	1611.	333.	606.	496.	145.	0.	1319.	8313.	17529.	1330.	0.	31683.
RETIRED POPULATION				27747.	15897.	4242.	0.						47886.
					)----(	20139.	)----(						

MARINE CURRENT OBJ ENLISTED RUN ON 10 AUG 83

FILENAME= MCE09CAT CURRENT DATE= 12/16/83 TIME= 14:53:55

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	81654.	38203.	26825.	14163.	8205.	2901.	1117.	0.	173069.
****LOSSES****											
PROM-OUT	0.	0.	18152.	9250.	4403.	1856.	787.	218.	0.	0.	34665.
LOSS:XFR-OTH	0.	0.	1859.	469.	1380.	0.	276.	168.	0.	0.	4152.
LOSS:XFR-OFF	0.	0.	3.	280.	218.	715.	366.	0.	0.	0.	1611.
LOSS:DEATH	0.	0.	72.	97.	51.	31.	70.	12.	1.	0.	333.
LOSS:RET-DIS	0.	0.	83.	150.	196.	72.	66.	34.	6.	0.	606.
LOSS:RET-FC	0.	0.	0.	0.	1.	0.	1.	369.	126.	0.	496.
LOSS:RET-VOL	0.	0.	0.	1.	1.	0.	0.	60.	83.	0.	145.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	405.	737.	131.	17.	4.	27.	0.	0.	1319.
LOSS:OTH-FC	0.	0.	5429.	1541.	871.	254.	151.	65.	2.	0.	8313.
LOSS:OTH-VOL	0.	0.	3587.	6787.	5410.	1374.	354.	16.	1.	0.	17529.
LOSS:OTH-INV	0.	0.	515.	423.	176.	54.	104.	57.	0.	0.	1330.
TOTAL LOSSES	0	0.	30104.	19735.	12837.	4403.	2177.	1026.	218.	0.	70499.
****GAINS****											
GAINS TO	0.	0.	29490.	0.	0.	0.	0.	0.	0.	0.	29490.
GAINS OTHER	0.	0.	614.	1583.	3587.	0.	321.	239.	0.	0.	6344.
PROM-IN	0.	0.	0.	18152.	9250.	4403.	1856.	787.	218.	0.	34665.
TOTAL GAINS	0.	0.	30104.	19735.	12837.	4403.	2177.	1026.	218.	0.	70499.
END STRENGTH	0.	0.	81655.	38203.	26825.	14163.	8205.	2901.	1117.	0.	173069.

AIR FORCE ENLISTED CURRENT OBJECTIVE--9 CATEGORIES *DEMO*DEMO*

FILENAME= FCE09CAT CURRENT DATE= 12/16/83 TIME= 14:54:18

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	71487.	0.	0.	0.	71487.	0.	0.	0.	0.	0.	0.	0.	71487.	7177.	0.1004	0.8996	1.0000
2	0.	0.	0.	0.	61980.	2330.	0.	0.	0.	0.	0.	0.	64310.	4871.	0.0757	0.9243	0.8996
3	0.	0.	0.	0.	26873.	32565.	0.	0.	0.	0.	0.	0.	59438.	4049.	0.0681	0.9319	0.8315
4	0.	0.	0.	0.	7359.	38462.	9568.	0.	0.	0.	0.	0.	55389.	28610.	0.5165	0.4835	0.7748
5	1066.	0.	0.	0.	999.	12545.	14300.	0.	0.	0.	0.	0.	27845.	5859.	0.2104	0.7896	0.3746
6	0.	0.	0.	0.	489.	7089.	14157.	250.	0.	0.	0.	0.	21986.	4248.	0.1932	0.8068	0.2958
7	0.	0.	0	0.	274.	4448.	12075.	941.	0.	0.	0.	0.	17738.	1843.	0.1039	0.8961	0.2386
8	0.	0.	0.	0.	106.	2795.	11049.	1945.	0.	0.	0.	0.	15895.	2149.	0.1352	0.8648	0.2138
9	0.	0.	0.	0.	5.	1643.	9042.	3056.	0.	0.	0.	0.	13746.	1284.	0.0934	0.9066	0.1849
10	0.	0.	0.	0.	0.	386.	8252.	3825.	0.	0.	0.	0.	12463.	1455.	0.1168	0.8832	0.1677
11	0.	0.	0.	0.	0.	0.	6711.	4297.	0.	0.	0.	0.	11008.	569.	0.0517	0.9483	0.1481
12	0.	0.	0.	0.	0.	0.	5020.	5113.	306.	0.	0.	0.	10439.	579.	0.0555	0.9445	0.1404
13	0.	0.	0.	0.	0.	0.	3662.	5268.	929.	0.	0.	0.	9860.	289.	0.0293	0.9707	0.1326
14	0.	0.	0.	0.	0.	0.	2646.	5139.	1786.	0.	0.	0.	9571.	275.	0.0288	0.9712	0.1288
15	0.	0.	0.	0.	0.	0.	1919.	4644.	2732.	0.	0.	0.	9295.	122.	0.0131	0.9869	0.1251
16	0.	0.	0.	0.	0.	0.	1062.	4546.	3566.	0.	0.	0.	9174.	63.	0.0069	0.9931	0.1234
17	0.	0.	0.	0.	0.	0.	603.	4004.	4279.	224.	0.	0.	9111.	34.	0.0037	0.9963	0.1226
18	0.	0.	0.	0.	0.	0.	354.	3381.	4732.	610.	0.	0.	9077.	31.	0.0035	0.9965	0.1221
19	0.	0.	0.	0.	0.	0.	218.	2782.	4953.	1082.	10.	0.	9046.	32.	0.0036	0.9964	0.1217
20	0.	0.	0.	0.	0.	0.	126.	2442.	4821.	1544.	81.	0.	9013.	3465.	0.3844	0.6156	0.1213
21	0.	0.	0.	0.	0.	0.	0.	969.	2770.	1595.	215.	0.	5549.	1716.	0.3093	0.6907	0.0746
22	0.	0.	0.	0.	0.	0.	0.	470.	1589.	1398.	376.	0.	3833.	1181.	0.3080	0.6920	0.0516
23	0.	0.	0.	0.	0.	0.	0.	185.	855.	1125.	488.	0.	2652.	706.	0.2664	0.7336	0.0357
24	0.	0.	0.	0.	0.	0.	0.	0.	545.	791.	610.	0.	1946.	417.	0.2144	0.7856	0.0262
25	0.	0.	0.	0.	0.	0.	0.	0.	349.	494.	686.	0.	1528.	225.	0.1475	0.8525	0.0206
26	0.	0.	0.	0.	0.	0.	0.	0.	261.	349.	694.	0.	1303.	489.	0.3753	0.6247	0.0175
27	0.	0.	0.	0.	0.	0.	0.	0.	30.	202.	581.	0.	814.	261.	0.3212	0.6788	0.0110
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	102.	450.	0.	553.	220.	0.3990	0.6010	0.0074
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	9.	323.	0.	332.	86.	0.2580	0.7420	0.0045
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	246.	0.	246.	246.	1.0000	0.0000	0.0033
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
TOT	72553.	0.	0.	0.	169573.	102264.	100762.	53258.	34503.	9525.	4760.	0.	474644.	72553.	0.1529	0.8471	6.5420
AVERAGE YOS			0.0	0.0	1.36	3.74	7.63	13.52	17.74	21.06	24.86	0.0	6.39				
PRODUCTIVITY			0.	0.	36325.	74618.	98370.	53258.	34503.	9525.	4760.	0.	311360.				

AIR FORCE ENLISTED CURRENT OBJECTIVE--9 CATEGORIES *DEMO*DEMO*

FILENAME= FCE09CAT CURRENT DATE= 12/16/83 TIME= 14:54:19

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	162.	77.	73.	0.	0.	0.	160.	37.	1060.	5608.	0.	7177.
2	0.	190.	43.	73.	0.	0.	0.	168.	56.	1198.	3145.	0.	4871.
3	0.	227.	47.	84.	0.	0.	0.	104.	529.	1530.	1529.	0.	4049.
4	0.	673.	34.	72.	0.	0.	0.	52.	6373.	19458.	1948.	0.	28610.
5	0.	361.	11.	39.	0.	0.	0.	22.	653.	4331.	441.	0.	5859.
6	0.	216.	8.	41.	0.	0.	0.	23.	665.	3082.	213.	0.	4248.
7	0.	190.	11.	24.	0.	0.	0.	12.	221.	1199.	185.	0.	1843.
8	0.	185.	6.	24.	0.	0.	0.	9.	619.	1206.	100.	0.	2149.
9	0.	200.	7.	17.	0.	0.	0.	6.	268.	656.	129.	0.	1284.
10	0.	662.	4.	20.	0.	0.	0.	2.	387.	310.	69.	0.	1455.
11	0.	217.	4.	13.	0.	0.	0.	2.	67.	238.	28.	0.	569.
12	0.	145.	6.	14.	0.	0.	0.	1.	35.	341.	37.	0.	579.
13	0.	116.	5.	15.	0.	0.	0.	4.	14.	103.	33.	0.	289.
14	0.	83.	5.	13.	0.	0.	0.	5.	6.	154.	10.	0.	275.
15	0.	63.	9.	16.	0.	0.	0.	0.	1.	24.	8.	0.	122.
16	0.	13.	11.	17.	0.	0.	0.	0.	1.	16.	5.	0.	63.
17	0.	8.	6.	16.	0.	0.	0.	0.	0.	1.	2.	0.	34.
18	0.	1.	8.	19.	0.	0.	0.	0.	0.	3.	1.	0.	31.
19	0.	0.	7.	22.	0.	0.	0.	0.	0.	2.	1.	0.	32.
20	0.	0.	8.	24.	116.	3314.	0.	0.	0.	0.	2.	0.	3465.
21	0.	0.	6.	17.	0.	1693.	0.	0.	0.	0.	0.	0.	1716.
22	0.	0.	2.	10.	166.	1002.	0.	0.	0.	0.	0.	0.	1181.
23	0.	0.	2.	8.	184.	512.	0.	0.	0.	0.	0.	0.	706.
24	0.	0.	1.	6.	0.	410.	0.	0.	0.	0.	0.	0.	417.
25	0.	0.	2.	6.	0.	218.	0.	0.	0.	0.	0.	0.	225.
26	0.	0.	0.	9.	222.	257.	0.	0.	0.	0.	0.	0.	489.
27	0.	0.	2.	5.	30.	224.	0.	0.	0.	0.	0.	0.	261.
28	0.	0.	0.	7.	85.	128.	0.	0.	0.	0.	0.	0.	220.
29	0.	0.	0.	1.	9.	75.	0.	0.	0.	0.	0.	0.	86.
30	0.	0.	0.	3.	177.	66.	0.	0.	0.	0.	0.	0.	246.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	3713.	330.	710.	991.	7899.	0.	570.	9934.	34912.	13495.	0.	72553.
RETIRED POPULATION				31616.	29996.	262488.	0.						324099.
					I----(	292483.	)----I						

AIR FORCE ENLISTED CURRENT OBJECTIVE--9 CATEGORIES *DEMO*DEMO*

FILENAME= FCE09CAT CURRENT DATE= 12/16/83 TIME= 14:54:22

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	169573.	102264.	100762.	53258.	34503.	9525.	4760.	0.	474646.
****LOSSES****											
PROM-OUT	0.	0.	52177.	27107.	11374.	6919.	2864.	1195.	0.	0.	101635.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	419.	335.	1659.	1178.	122.	0.	0.	0.	3713.
LOSS:DEATH	0.	0.	163.	60.	36.	41.	20.	8.	2.	0.	330.
LOSS:RET-DIS	0.	0.	193.	167.	147.	81.	64.	36.	23.	0.	710.
LOSS:RET-FC	0.	0.	0.	0.	116.	350.	253.	94.	177.	0.	991.
LOSS:RET-VOL	0.	0.	0.	0.	9.	1785.	3582.	1530.	993.	0.	7899.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	406.	122.	34.	8.	0.	0.	0.	0.	570.
LOSS:OTH-FC	0.	0.	336.	7559.	2029.	9.	0.	0.	0.	0.	9934.
LOSS:OTH-VOL	0.	0.	6309.	16348.	11261.	979.	15.	0.	0.	0.	34912.
LOSS:OTH-INV	0.	0.	11484.	1545.	442.	24.	0.	0.	0.	0.	13495.
TOTAL LOSSES	0.	0.	71487.	53243.	27107.	11374.	6919.	2864.	1195.	0.	174188.
****GAINS****											
GAINS TO	0.	0.	71487.	1066.	0.	0.	0.	0.	0.	0.	72553.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	52177.	27107.	11374.	6919.	2864.	1195.	0.	101635.
TOTAL GAINS	0.	0.	71487.	53243.	27107.	11374.	6919.	2864.	1195.	0.	174188.
END STRENGTH	0.	0.	169573.	102264.	100762.	53258.	34503.	9525.	4760.	0.	474646.

COAST GUARD ENLISTED CURRENT OBJECTIVE--1 CATEGORY

FILENAME= CCE01CAT CURRENT DATE= 12/16/83 TIME= 14:57:05

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	5708.	0.	0.	0.	5708.	0.	0.	0.	0.	0.	0.	0.	5708.	204.	0.0358	0.9642	1.0000
2	0.	0.	0.	0.	1998.	3505.	0.	0.	0.	0.	0.	0.	5503.	701.	0.1274	0.8726	0.9642
3	0.	0.	0.	0.	1082.	2556.	1164.	0.	0.	0.	0.	0.	4802.	2677.	0.5575	0.4425	0.8413
4	0.	0.	0.	0.	255.	890.	850.	129.	0.	0.	0.	0.	2125.	418.	0.1968	0.8032	0.3723
5	0.	0.	0.	0.	120.	467.	825.	294.	0.	0.	0.	0.	1707.	270.	0.1580	0.8420	0.2990
6	0.	0.	0.	0.	65.	284.	623.	465.	0.	0.	0.	0.	1437.	157.	0.1093	0.8907	0.2518
7	0.	0.	0.	0.	40.	206.	481.	520.	33.	0.	0.	0.	1280.	229.	0.1790	0.8210	0.2242
8	0.	0.	0.	0.	18.	134.	329.	519.	51.	0.	0.	0.	1051.	156.	0.1484	0.8516	0.1841
9	0.	0.	0.	0.	10.	51.	232.	500.	102.	0.	0.	0.	895.	86.	0.0963	0.9037	0.1568
10	0.	0.	0.	0.	5.	35.	165.	444.	160.	0.	0.	0.	809.	79.	0.0977	0.9023	0.1417
11	0.	0.	0.	0.	4.	20.	113.	400.	193.	0.	0.	0.	730.	37.	0.0507	0.9493	0.1278
12	0.	0.	0.	0.	2.	13.	72.	379.	227.	0.	0.	0.	693.	54.	0.0779	0.9221	0.1214
13	0.	0.	0.	0.	1.	7.	67.	314.	250.	0.	0.	0.	639.	35.	0.0548	0.9452	0.1119
14	0.	0.	0.	0.	0.	5.	52.	257.	268.	22.	0.	0.	604.	9.	0.0149	0.9851	0.1058
15	0.	0.	0.	0.	0.	4.	46.	236.	282.	27.	0.	0.	595.	81.	0.1364	0.8636	0.1042
16	0.	0.	0.	0.	0.	3.	36.	190.	250.	35.	0.	0.	514.	157.	0.3055	0.6945	0.0900
17	0.	0.	0.	0.	0.	0.	25.	115.	178.	39.	0.	0.	357.	47.	0.1320	0.8680	0.0625
18	0.	0.	0.	0.	0.	0.	20.	79.	148.	48.	15.	0.	310.	14.	0.0452	0.9548	0.0542
19	0.	0.	0.	0.	0.	0.	15.	62.	126.	63.	30.	0.	296.	70.	0.2365	0.7635	0.0518
20	0.	0.	0.	0.	0.	0.	8.	42.	90.	50.	36.	0.	226.	41.	0.1814	0.8186	0.0396
21	0.	0.	0.	0.	0.	0.	5.	25.	75.	42.	38.	0.	185.	25.	0.1352	0.8648	0.0324
22	0.	0.	0.	0.	0.	0.	3.	20.	60.	37.	40.	0.	160.	43.	0.2688	0.7312	0.0280
23	0.	0.	0.	0.	0.	0.	0.	16.	37.	28.	36.	0.	117.	21.	0.1797	0.8203	0.0205
24	0.	0.	0.	0.	0.	0.	0.	12.	30.	24.	30.	0.	96.	17.	0.1771	0.8229	0.0168
25	0.	0.	0.	0.	0.	0.	0.	8.	26.	21.	24.	0.	79.	23.	0.2911	0.7089	0.0138
26	0.	0.	0.	0.	0.	0.	0.	3.	20.	15.	18.	0.	56.	15.	0.2678	0.7322	0.0098
27	0.	0.	0.	0.	0.	0.	0.	0.	14.	12.	15.	0.	41.	19.	0.4634	0.5366	0.0072
28	0.	0.	0.	0.	0.	0.	0.	0.	7.	6.	9.	0.	22.	9.	0.4091	0.5909	0.0038
29	0.	0.	0.	0.	0.	0.	0.	0.	5.	3.	5.	0.	13.	4.	0.3077	0.6923	0.0023
30	0.	0.	0.	0.	0.	0.	0.	0.	3.	2.	4.	0.	9.	4.	0.4444	0.5556	0.0016
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	4.	0.	5.	1.	0.1999	0.8001	0.0009
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	4.	0.	0.0	1.0000	0.0007
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	4.	2.	0.5000	0.5000	0.0007
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	2.	0.	0.0	1.0000	0.0004
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	2.	2.	1.0000	0.0	0.0004
TOT	5708.	0.	0.	0.	9308.	8180.	5130.	5027.	2634.	475.	316.	0.	31070.	5708.	0.1837	0.8163	5.4435
AVERAGE YOS			0.0	0.0	1.18	2.71	5.51	9.84	14.51	19.49	22.59	0.0	5.33				
PRODUCTIVITY			0.	0.	1497.	4051.	4335.	4995.	2634.	475.	316.	0.	18303.				

COAST GUARD ENLISTED CURRENT OBJECTIVE--1 CATEGORY

FILENAME= CGEO1CAT CURRENT DATE= 12/16/83 TIME= 14:57:10

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	4.	0.	0.	0.	0.	0.	200.	0.	0.	0.	204.
2	0.	0.	5.	3.	0.	0.	0.	0.	693.	0.	0.	0.	701.
3	0.	0.	6.	3.	0.	0.	0.	0.	2669.	0.	0.	0.	2677.
4	0.	0.	3.	2.	0.	0.	0.	0.	413.	0.	0.	0.	418.
5	0.	0.	1.	4.	0.	0.	0.	0.	265.	0.	0.	0.	270.
6	0.	0.	1.	4.	0.	0.	0.	0.	152.	0.	0.	0.	157.
7	0.	0.	1.	2.	0.	0.	0.	0.	226.	0.	0.	0.	229.
8	0.	0.	1.	2.	0.	0.	0.	0.	154.	0.	0.	0.	156.
9	0.	0.	1.	1.	0.	0.	0.	0.	85.	0.	0.	0.	86.
10	0.	0.	0.	1.	0.	0.	0.	0.	77.	0.	0.	0.	79.
11	0.	0.	1.	1.	0.	0.	0.	0.	35.	0.	0.	0.	37.
12	0.	0.	1.	1.	0.	0.	0.	0.	53.	0.	0.	0.	54.
13	0.	0.	0.	1.	0.	0.	0.	0.	34.	0.	0.	0.	35.
14	0.	0.	0.	1.	0.	0.	0.	0.	8.	0.	0.	0.	9.
15	0.	0.	0.	1.	0.	0.	0.	0.	80.	0.	0.	0.	81.
16	0.	0.	0.	1.	0.	0.	0.	0.	156.	0.	0.	0.	157.
17	0.	0.	0.	0.	0.	0.	0.	0.	47.	0.	0.	0.	47.
18	0.	0.	0.	0.	0.	0.	0.	0.	14.	0.	0.	0.	14.
19	0.	0.	0.	0.	6.	0.	0.	0.	64.	0.	0.	0.	70.
20	0.	0.	0.	2.	39.	0.	0.	0.	0.	0.	0.	0.	41.
21	0.	0.	0.	2.	23.	0.	0.	0.	0.	0.	0.	0.	25.
22	0.	0.	0.	2.	41.	0.	0.	0.	0.	0.	0.	0.	43.
23	0.	0.	0.	2.	19.	0.	0.	0.	0.	0.	0.	0.	21.
24	0.	0.	0.	1.	16.	0.	0.	0.	0.	0.	0.	0.	17.
25	0.	0.	0.	1.	22.	0.	0.	0.	0.	0.	0.	0.	23.
26	0.	0.	0.	0.	15.	0.	0.	0.	0.	0.	0.	0.	15.
27	0.	0.	0.	1.	18.	0.	0.	0.	0.	0.	0.	0.	19.
28	0.	0	0.	0.	9.	0.	0.	0.	0.	0.	0.	0.	9.
29	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	0.	4.
30	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	0.	4.
31	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	2.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	2.
	0.	0.	27.	39.	220.	0.	0.	0.	5422.	0.	0.	0.	5708.
RETIRED POPULATION				1636.	6971.	0.	0.						8607.
					I----(	6971.	)----I						

COAST GUARD ENLISTED CURRENT OBJECTIVE--1 CATEGORY

FILENAME= CCE01CAT CURRENT DATE= 12/16/83 TIME= 14:57:12

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEG # STRENGTH	0.	0.	9308.	8180.	5130.	5027.	2634.	475.	316.	0.	31070.
****LOSSES****											
PROM-OUT	0.	0.	4342.	2164.	1070.	495.	163.	74.	0.	0.	8308.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	0.	0.	9.	8.	4.	4.	2.	0.	0.	0.	27.
LOSS:RET-DIS	0.	0.	0.	11.	6.	10.	7.	3.	2.	0.	39.
LOSS:RET-FC	0.	0.	0.	0.	5.	22.	68.	53.	72.	0.	220.
LOSS:RET-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-FC	0.	0.	1356.	2159.	1079.	539.	256.	33.	0.	0.	5422.
LOSS:OTH-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL LOSSES	0.	0.	5708.	4342.	2164.	1070.	495.	163.	74.	0.	14016.
****GAINS****											
GAINS TO	0.	0.	5708.	0.	0.	0.	0.	0.	0.	0.	5708.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	4342.	2164.	1070.	495.	163.	74.	0.	8308.
TOTAL GAINS	0.	0.	5708.	4342.	2164.	1070.	495.	163.	74.	0.	14016.
END STRENGTH	0.	0.	9308.	8180.	5130.	5027.	2634.	475.	316.	0.	31070.

ARMY BASELINE OFFICERS--12 CATEGORIES (REVISED 23 MAY)

FILENAME= AB012CAT BASELINE DATE= 12/16/83 TIME= 15:01:29

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	7233.	0.	6297.	31.	905.	0.	0.	0.	0.	0.	0.	0.	7233.	531.	0.0734	0.9266	1.0000
2	3.	0.	4965.	810.	930.	0.	0.	0.	0.	0.	0.	0.	6705.	536.	0.0800	0.9200	0.9266
3	3.	0.	0.	5258.	913.	0.	0.	0.	0.	0.	0.	0.	6172.	608.	0.0985	0.9015	0.8524
4	6.	60.	0.	4309.	1320.	0.	0.	0.	0.	0.	0.	0.	5629.	321.	0.0570	0.9430	0.7684
5	7.	0.	0.	853.	4437.	25.	0.	0.	0.	0.	0.	0.	5315.	464.	0.0873	0.9127	0.7246
6	7.	0.	0.	0.	4424.	434.	0.	0.	0.	0.	0.	0.	4858.	209.	0.0429	0.9571	0.6613
7	2.	0.	0.	0.	4243.	408.	0.	0.	0.	0.	0.	0.	4651.	303.	0.0650	0.9350	0.6329
8	3.	0.	0.	0.	3975.	377.	0.	0.	0.	0.	0.	0.	4352.	186.	0.0427	0.9573	0.5918
9	0.	0.	0.	0.	3807.	358.	0.	0.	0.	0.	0.	0.	4166.	268.	0.0642	0.9358	0.5665
10	3.	0.	0.	0.	3548.	350.	3.	0.	0.	0.	0.	0.	3901.	346.	0.0887	0.9113	0.5301
11	7.	0.	0.	0.	1831.	1722.	9.	0.	0.	0.	0.	0.	3562.	222.	0.0625	0.9375	0.4831
12	3.	0.	0.	0.	758.	2521.	64.	0.	0.	0.	0.	0.	3342.	216.	0.0648	0.9352	0.4529
13	3.	0.	0.	0.	259.	2693.	177.	0.	0.	0.	0.	0.	3129.	166.	0.0531	0.9469	0.4236
14	3.	0.	0.	0.	100.	2665.	201.	0.	0.	0.	0.	0.	2965.	210.	0.0708	0.9292	0.4011
15	3.	0.	0.	0.	9.	2275.	474.	0.	0.	0.	0.	0.	2758.	180.	0.0652	0.9348	0.3727
16	0.	0.	0.	0.	7.	1885.	686.	1.	0.	0.	0.	0.	2578.	221.	0.0857	0.9143	0.3483
17	0.	0.	0.	0.	7.	635.	1711.	4.	0.	0.	0.	0.	2358.	167.	0.0707	0.9293	0.3185
18	2.	0.	0.	0.	7.	417.	1731.	38.	0.	0.	0.	0.	2193.	166.	0.0758	0.9242	0.2960
19	0.	0.	0.	0.	7.	305.	1670.	44.	0.	0.	0.	0.	2027.	176.	0.0869	0.9131	0.2736
20	0.	0.	0.	0.	7.	265.	1516.	62.	0.	0.	0.	0.	1851.	325.	0.1754	0.8246	0.2498
21	0.	0.	0.	0.	0.	17.	1166.	342.	0.	0.	0.	0.	1526.	96.	0.0630	0.9370	0.2060
22	0.	0.	0.	0.	0.	15.	713.	702.	0.	0.	0.	0.	1430.	170.	0.1189	0.8811	0.1930
23	0.	0.	0.	0.	0.	14.	441.	804.	0.	0.	0.	0.	1260.	178.	0.1409	0.8591	0.1700
24	0.	0.	0.	0.	0.	4.	273.	805.	0.	0.	0.	0.	1082.	179.	0.1656	0.8344	0.1461
25	0.	0.	0.	0.	0.	0.	226.	677.	0.	0.	0.	0.	903.	157.	0.1735	0.8265	0.1219
26	0.	0.	0.	0.	0.	0.	187.	559.	0.	0.	0.	0.	746.	149.	0.2000	0.8000	0.1007
27	0.	0.	0.	0.	0.	0.	150.	447.	0.	0.	0.	0.	597.	135.	0.2269	0.7731	0.0806
28	0.	0.	0.	0.	0.	0.	119.	343.	0.	0.	0.	0.	462.	167.	0.3620	0.6380	0.0623
29	0.	0.	0.	0.	0.	0.	6.	288.	0.	0.	0.	0.	294.	116.	0.3937	0.6063	0.0397
30	0.	0.	0.	0.	0.	0.	5.	174.	0.	0.	0.	0.	179.	172.	0.9608	0.0392	0.0241
31	0.	0.	0.	0.	0.	0.	3.	4.	0.	0.	0.	0.	7.	4.	0.5723	0.4277	0.0009
32	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	3.	0.	0.0	1.0000	0.0004
33	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	3.	1.	0.3333	0.6667	0.0004
34	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	2.	2.	1.0000	0.0	0.0003
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	7288.	60.	11262.	11261.	31493.	17387.	11532.	5303.	0.	0.	0.	0.	88237.	7347.	0.0833	0.9167	12.0095
AVERAGE YOS			0.94	2.96	6.66	12.82	18.72	24.09	0.0	0.0	0.0	0.0	9.30				
PRODUCTIVITY			1241.	6917.	29104.	17387.	11532.	5303.	0.	0.	0.	0.	71483.				

ARMY BASELINE OFFICERS--12 CATEGORIES (REVISED 23 MAY)

FILENAME= AB012CAT BASELINE DATE= 12/16/83 TIME= 15:01:29

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	2.	7.	0.	0.	0.	12.	269.	123.	118.	0.	531.
2	0.	0.	3.	6.	0.	0.	0.	9.	252.	144.	122.	0.	536.
3	0.	0.	3.	6.	0.	0.	0.	8.	405.	112.	75.	0.	608.
4	0.	0.	3.	6.	0.	0.	0.	6.	103.	134.	68.	0.	321.
5	0.	0.	2.	7.	0.	0.	0.	5.	240.	150.	60.	0.	464.
6	0.	0.	3.	7.	0.	0.	0.	4.	46.	91.	57.	0.	209.
7	0.	0.	2.	7.	0.	0.	0.	6.	101.	157.	30.	0.	303.
8	0.	0.	3.	8.	0.	0.	0.	3.	32.	87.	53.	0.	186.
9	0.	0.	2.	8.	0.	0.	0.	3.	162.	42.	51.	0.	268.
10	0.	0.	2.	8.	0.	0.	0.	4.	216.	60.	56.	0.	346.
11	0.	0.	3.	8.	0.	0.	0.	2.	115.	71.	24.	0.	222.
12	0.	0.	2.	8.	0.	0.	0.	3.	132.	35.	36.	0.	216.
13	0.	0.	4.	9.	0.	0.	0.	2.	103.	29.	19.	0.	166.
14	0.	0.	3.	9.	0.	1.	0.	1.	150.	21.	25.	0.	210.
15	0.	0.	4.	9.	0.	1.	0.	8.	110.	24.	24.	0.	180.
16	0.	0.	2.	9.	0.	0.	0.	2.	157.	19.	32.	0.	221.
17	0.	0.	2.	9.	0.	0.	1.	1.	127.	11.	15.	0.	167.
18	0.	0.	2.	9.	0.	0.	0.	2.	135.	9.	8.	0.	166.
19	0.	0.	3.	9.	0.	6.	0.	1.	138.	10.	8.	0.	176.
20	0.	0.	4.	11.	224.	58.	22.	0.	0.	0.	6.	0.	325.
21	0.	0.	5.	10.	45.	28.	7.	0.	0.	0.	1.	0.	96.
22	0.	0.	1.	9.	119.	38.	3.	0.	0.	0.	0.	0.	170.
23	0.	0.	2.	10.	138.	14.	1.	10.	0.	0.	1.	1.	178.
24	0.	0.	1.	9.	123.	35.	5.	0.	0.	0.	6.	0.	179.
25	0.	0.	1.	9.	120.	25.	0.	0.	0.	0.	1.	1.	157.
26	0.	0.	1.	7.	123.	18.	0.	0.	0.	0.	0.	1.	149.
27	0.	0.	1.	7.	113.	13.	1.	0.	0.	0.	0.	1.	135.
28	0.	0.	0.	6.	143.	15.	1.	0.	0.	0.	1.	1.	167.
29	0.	0.	0.	3.	102.	8.	2.	0.	0.	0.	0.	1.	116.
30	0.	0.	0.	2.	107.	60.	2.	0.	0.	0.	0.	1.	172.
31	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	4.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
34	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	0.	66.	232.	1357.	327.	45.	94.	2993.	1328.	897.	7.	7347.
RETIRED POPULATION				9002.	40999.	9944.	1476.						61421.
					)----(	52419.	)----(						

ARMY BASELINE OFFICERS--12 CATEGORIES (REVISED 23 MAY)

FILENAME= AB012CAT BASELINE DATE= 12/16/83 TIME= 15:01:30

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	11262.	11261.	31493.	17387.	11532.	5303.	0.	0.	0.	0.	88239.
****LOSSES****											
PROM-OUT	5338.	4403.	3323.	1872.	892.	7.	0.	0.	0.	0.	15835.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	5.	5.	18.	14.	15.	10.	0.	0.	0.	0.	66.
LOSS:RET-DIS	13.	14.	52.	49.	59.	45.	0.	0.	0.	0.	232.
LOSS:RET-FC	0.	0.	0.	177.	569.	611.	0.	0.	0.	0.	1357.
LOSS:RET-VOL	0.	0.	7.	32.	92.	197.	0.	0.	0.	0.	327.
LOSS:RET-INV	0.	0.	0.	24.	7.	14.	0.	0.	0.	0.	45.
LOSS:OTH-DIS	21.	15.	26.	26.	5.	0.	0.	0.	0.	0.	94.
LOSS:OTH-FC	506.	597.	1100.	653.	136.	0.	0.	0.	0.	0.	2993.
LOSS:OTH-VOL	204.	181.	505.	384.	53.	1.	0.	0.	0.	0.	1328.
LOSS:OTH-INV	210.	159.	360.	112.	49.	7.	0.	0.	0.	0.	897.
TOTAL LOSSES	6297.	5375.	5391.	3344.	1876.	892.	0.	0.	0.	0.	23175.
****GAINS****											
GAINS TO	6297.	37.	928.	22.	4.	0.	0.	0.	0.	0.	7288.
GAINS OTHER	0.	0.	60.	0.	0.	0.	0.	0.	0.	0.	60.
PROM-IN	0.	5338.	4403.	3323.	1872.	892.	0.	0.	0.	0.	15828.
TOTAL GAINS	6297.	5375.	5391.	3345.	1876.	892.	0.	0.	0.	0.	23176.
END STRENGTH	11262.	11261.	31493.	17388.	11532.	5303.	0.	0.	0.	0.	88240.

NAVY OFFICER BASELINE (DOPMA REV)

FILENAME= NBO13CAT BASELINE DATE= 12/16/83 TIME= 15:01:46

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	4571.	0.	4571.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4571.	85.	0.0185	0.9815	1.0000
2	0.	228.	4486.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4486.	118.	0.0263	0.9737	0.9815
3	117.	0.	0.	4485.	0.	0.	0.	0.	0.	0.	0.	0.	4485.	253.	0.0565	0.9435	0.9556
4	68.	0.	0.	4300.	0.	0.	0.	0.	0.	0.	0.	0.	4300.	345.	0.0802	0.9198	0.9017
5	541.	34.	0.	0.	4496.	0.	0.	0.	0.	0.	0.	0.	4496.	465.	0.1033	0.8967	0.8293
6	0.	0.	0.	0.	4031.	0.	0.	0.	0.	0.	0.	0.	4031.	611.	0.1516	0.8484	0.7436
7	0.	0.	0.	0.	3[illegible]	0.	0.	0.	0.	0.	0.	0.	3420.	303.	0.0887	0.9113	0.6309
8	0.	0.	0.	0.	3116.	0.	0.	0.	0.	0.	0.	0.	3116.	296.	0.0950	0.9050	0.5749
9	0.	47.	0.	0.	2820.	0.	0.	0.	0.	0.	0.	0.	2820.	5.	0.0019	0.9981	0.5203
10	0.	0.	0.	0.	2012.	803.	0.	0.	0.	0.	0.	0.	2815.	104.	0.0371	0.9629	0.5193
11	0.	0.	0.	0.	1018.	1693.	0.	0.	0.	0.	0.	0.	2711.	466.	0.1718	0.8282	0.5001
12	0.	31.	0.	0.	294.	1951.	0.	0.	0.	0.	0.	0.	2245.	473.	0.2108	0.7892	0.4142
13	0.	202.	0.	0.	22.	1750.	0.	0.	0.	0.	0.	0.	1772.	97.	0.0547	0.9453	0.3269
14	0.	9.	0.	0.	0.	1675.	0.	0.	0.	0.	0.	0.	1675.	48.	0.0286	0.9714	0.3090
15	0.	2.	0.	0.	0.	1621.	6.	0.	0.	0.	0.	0.	1627.	3.	0.0016	0.9984	0.3001
16	0.	0.	0.	0.	0.	729.	895.	0.	0.	0.	0.	0.	1624.	2.	0.0015	0.9985	0.2997
17	0.	0.	0.	0.	0.	577.	1045.	0.	0.	0.	0.	0.	1622.	5.	0.0030	0.9970	0.2992
18	0.	0.	0.	0.	0.	574.	1043.	0.	0.	0.	0.	0.	1617.	7.	0.0041	0.9959	0.2983
19	0.	0.	0.	0.	0.	533.	1077.	0.	0.	0.	0.	0.	1610.	84.	0.0522	0.9478	0.2971
20	0.	34.	0.	0.	0.	488.	1039.	0.	0.	0.	0.	0.	1526.	477.	0.3128	0.6872	0.2816
21	0.	0.	0.	0.	0.	12.	901.	136.	0.	0.	0.	0.	1049.	20.	0.0190	0.9810	0.1935
22	0.	0.	0.	0.	0.	12.	637.	380.	0.	0.	0.	0.	1029.	38.	0.0365	0.9635	0.1898
23	0.	0.	0.	0.	0.	9.	423.	560.	0.	0.	0.	0.	991.	89.	0.0896	0.9104	0.1829
24	0.	0.	0.	0.	0.	9.	336.	558.	0.	0.	0.	0.	902.	312.	0.3455	0.6545	0.1665
25	0.	0.	0.	0.	0.	0.	34.	556.	0.	0.	0.	0.	591.	304.	0.5144	0.4856	0.1090
26	0.	0.	0.	0.	0.	0.	10.	277.	0.	0.	0.	0.	287.	0.	0.0012	0.9988	0.0529
27	0.	0.	0.	0.	0.	0.	10.	277.	0.	0.	0.	0.	286.	4.	0.0136	0.9864	0.0529
28	0.	0.	0.	0.	0.	0.	10.	273.	0.	0.	0.	0.	283.	145.	0.5134	0.4866	0.0521
29	0.	0.	0.	0.	0.	0.	0.	137.	0.	0.	0.	0.	137.	13.	0.0920	0.9080	0.0254
30	0.	0.	0.	0.	0.	0.	0.	125.	0.	0.	0.	0.	125.	94.	0.7531	0.2469	0.0230
31	0.	0.	0.	0.	0.	0.	0.	31.	0.	0.	0.	0.	31.	0.	0.0	1.0000	0.0057
32	0.	0.	0.	0.	0.	0.	0.	31.	0.	0.	0.	0.	31.	0.	0.0	1.0000	0.0057
33	0.	0.	0.	0.	0.	0.	0.	31.	0.	0.	0.	0.	31.	0.	0.0	1.0000	0.0057
34	0.	0.	0.	0.	0.	0.	0.	31.	0.	0.	0.	0.	31.	0.	0.0	1.0000	0.0057
35	0.	0.	0.	0.	0.	0.	0.	31.	0.	0.	0.	0.	31.	31.	1.0000	0.0	0.0057
TOT	5297.	587.	9057.	8784.	21229.	12434.	7465.	3432.	0.	0.	0.	0.	62402.	5296.	0.0849	0.9151	11.7821
AVERAGE YOS			1.00	2.99	6.85	13.43	18.86	24.70	0.0	0.0	0.0	0.0	9.19				
PRODUCTIVITY			1121.	5467.	21229.	12434.	7465.	3432.	0.	0.	0.	0.	51149.				

NAVY OFFICER BASELINE (DOPMA REV)

FILENAME= NB013CAT BASELINE DATE= 12/16/83 TIME= 15:01:47

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	229.	0.	3.	0.	0.	0.	0.	0.	80.	0.	1.	0.	85.
2	0.	0.	5.	1.	0.	0.	0.	0.	110.	0.	3.	0.	118.
3	0.	0.	11.	1.	0.	0.	0.	0.	241.	0.	0.	0.	253.
4	34.	0.	6.	0.	0.	0.	0.	0.	334.	0.	5.	0.	345.
5	0.	0.	3.	1.	0.	0.	0.	0.	458.	0.	2.	0.	465.
6	0.	0.	4.	1.	0.	0.	0.	0.	582.	0.	24.	0.	611.
7	0.	0.	1.	0.	0.	0.	0.	0.	300.	0.	2.	0.	303.
8	47.	0.	4.	1.	0.	0.	0.	0.	291.	0.	0.	0.	296.
9	0.	0.	4.	1.	0.	0.	0.	0.	0.	0.	1.	0.	5.
10	0.	0.	4.	1.	0.	0.	0.	0.	97.	0.	2.	0.	104.
11	31.	0.	1.	0.	30.	0.	0.	0.	434.	0.	0.	0.	466.
12	202.	0.	2.	0.	44.	0.	0.	0.	427.	0.	0.	0.	473.
13	9.	0.	1.	0.	90.	0.	0.	0.	6.	0.	0.	0.	97.
14	2.	0.	3.	0.	0.	0.	0.	0.	45.	0.	0.	0.	48.
15	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.
16	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.
17	0.	0.	3.	0.	1.	0.	0.	0.	0.	0.	0.	0.	5.
18	0.	0.	1.	0.	5.	0.	0.	0.	0.	0.	0.	0.	7.
19	34.	0.	1.	0.	82.	0.	0.	0.	0.	0.	1.	0.	84.
20	0.	0.	1.	0.	458.	0.	19.	0.	0.	0.	0.	0.	477.
21	0.	0.	1.	0.	19.	0.	0.	0.	0.	0.	0.	0.	20.
22	0.	0.	1.	1.	35.	0.	0.	0.	0.	0.	0.	0.	38.
23	0.	0.	1.	1.	87.	0.	0.	0.	0.	0.	0.	0.	89.
24	0.	0.	2.	0.	310.	0.	0.	0.	0.	0.	0.	0.	312.
25	0.	0.	0.	0.	304.	0.	0.	0.	0.	0.	0.	0.	304.
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	4.
28	0.	0.	0.	0.	133.	0.	0.	0.	0.	0.	0.	11.	145.
29	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	12.	13.
30	0.	0.	0.	0.	92.	0.	0.	0.	0.	0.	0.	2.	94.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	31.	0.	0.	0.	0.	0.	0.	0.	31.
	588.	0.	68.	10.	1722.	0.	19.	0.	3407.	0.	43.	29.	5296.
RETIRED POPULATION				409.	54344.	0.	638.						55391.
					I----(	54981.	)----I						

NAVY OFFICER BASELINE (DOPMA REV)

FILENAME= NB013CAT BASELINE DATE= 12/16/83 TIME= 15:01:47

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	9057.	8784.	21229.	12434.	7465.	3432.	0.	0.	0.	0.	62402.
****LOSSES***											
PROM-OUT	4368.	3921.	2030.	1084.	561.	29.	0.	0.	0.	0.	11992.
LOSS:XFR-OTH	229.	34.	47.	244.	34.	0.	0.	0.	0.	0.	588.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	7.	16.	20.	11.	9.	4.	0.	0.	0.	0.	68.
LOSS:RET-DIS	1.	1.	3.	1.	1.	2.	0.	0.	0.	0.	10.
LOSS:RET-FC	0.	0.	96.	587.	512.	527.	0.	0.	0.	0.	1722.
LOSS:RET-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-INV	0.	0.	0.	19.	0.	0.	0.	0.	0.	0.	19.
LOSS:OTH-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-FC	190.	576.	2316.	326.	0.	0.	0.	0.	0.	0.	3407.
LOSS:OTH-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-INV	5.	5.	31.	2.	0.	0.	0.	0.	0.	0.	43.
TOTAL LOSSES	4799.	4553.	4543.	2274.	1118.	561.	0.	0.	0.	0.	17847.
****GAINS****											
GAINS TO	4571.	185.	541.	0.	0.	0.	0.	0.	0.	0.	5297.
GAINS OTHER	228.	0.	81.	244.	34.	0.	0.	0.	0.	0.	587.
PROM-IN	0.	4368.	3921.	2030.	1084.	561.	0.	0.	0.	0.	11963.
TOTAL GAINS	4799.	4553.	4543.	2274.	1118.	561.	0.	0.	0.	0.	17847.
END STRENGTH	9057.	8784.	21229.	12434.	7465.	3432.	0.	0.	0.	0.	62402.

USMC OFFICER BASELINE FORCE (SIX CAT)

FILENAME= MB006CAT BASELINE DATE= 12/16/83 TIME= 15:01:58

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	1683.	0.	0.	1683.	0.	0.	0.	0.	0.	0.	0.	0.	1683.	20.	0.0119	0.9881	1.0000
2	0.	0.	0.	1663.	0.	0.	0.	0.	0.	0.	0.	0.	1663.	21.	0.0126	0.9874	0.9881
3	34.	0.	0.	1676.	0.	0.	0.	0.	0.	0.	0.	0.	1676.	175.	0.1045	0.8955	0.9757
4	0.	0.	0.	1392.	109.	0.	0.	0.	0.	0.	0.	0.	1501.	249.	0.1661	0.8339	0.8737
5	0.	0.	0.	132.	1120.	0.	0.	0.	0.	0.	0.	0.	1252.	141.	0.1127	0.8873	0.7286
6	0.	4.	0.	43.	1072.	0.	0.	0.	0.	0.	0.	0.	1115.	199.	0.1787	0.8213	0.6465
7	0.	4.	0.	3.	916.	0.	0.	0.	0.	0.	0.	0.	919.	119.	0.1295	0.8705	0.5310
8	0.	4.	0.	0.	804.	0.	0.	0.	0.	0.	0.	0.	804.	84.	0.1045	0.8955	0.4622
9	0.	0.	0.	0.	720.	0.	0.	0.	0.	0.	0.	0.	720.	58.	0.0806	0.9194	0.4139
10	0.	0.	0.	0.	616.	46.	0.	0.	0.	0.	0.	0.	662.	44.	0.0664	0.9336	0.3806
11	0.	0.	0.	0.	152.	466.	0.	0.	0.	0.	0.	0.	618.	61.	0.0987	0.9013	0.3553
12	0.	0.	0.	0.	98.	459.	0.	0.	0.	0.	0.	0.	557.	102.	0.1831	0.8169	0.3202
13	0.	0.	0.	0.	23.	432.	0.	0.	0.	0.	0.	0.	455.	46.	0.1011	0.8989	0.2616
14	0.	0.	0.	0.	0.	396.	13.	0.	0.	0.	0.	0.	409.	17.	0.0416	0.9584	0.2351
15	0.	0.	0.	0.	0.	380.	12.	0.	0.	0.	0.	0.	392.	15.	0.0382	0.9618	0.2254
16	0.	0.	0.	0.	0.	359.	18.	0.	0.	0.	0.	0.	377.	14.	0.0371	0.9629	0.2168
17	0.	0.	0.	0.	0.	105.	258.	0.	0.	0.	0.	0.	363.	11.	0.0303	0.9697	0.2087
18	0.	0.	0.	0.	0.	83.	269.	0.	0.	0.	0.	0.	352.	6.	0.0171	0.9829	0.2024
19	0.	0.	0.	0.	0.	78.	268.	0.	0.	0.	0.	0.	346.	23.	0.0663	0.9337	0.1989
20	0.	0.	0.	0.	0.	67.	256.	0.	0.	0.	0.	0.	323.	84.	0.2597	0.7403	0.1856
21	0.	0.	0.	0.	0.	24.	215.	0.	0.	0.	0.	0.	239.	64.	0.2670	0.7330	0.1375
22	0.	0.	0.	0.	0.	0.	85.	91.	0.	0.	0.	0.	175.	15.	0.0853	0.9147	0.1008
23	0.	0.	0.	0.	0.	0.	59.	102.	0.	0.	0.	0.	160.	6.	0.0372	0.9628	0.0922
24	0.	0.	0.	0.	0.	0.	54.	101.	0.	0.	0.	0.	154.	26.	0.1679	0.8321	0.0888
25	0.	0.	0.	0.	0.	0.	38.	91.	0.	0.	0.	0.	129.	25.	0.1939	0.8061	0.0739
26	0.	0.	0.	0.	0.	0.	26.	78.	0.	0.	0.	0.	104.	29.	0.2790	0.7210	0.0595
27	0.	0.	0.	0.	0.	0.	18.	57.	0.	0.	0.	0.	75.	31.	0.4135	0.5865	0.0429
28	0.	0.	0.	0.	0.	0.	12.	32.	0.	0.	0.	0.	44.	23.	0.5226	0.4774	0.0252
29	0.	0.	0.	0.	0.	0.	0.	21.	0.	0.	0.	0.	21.	9.	0.4286	0.5714	0.0120
30	0.	0.	0.	0.	0.	0.	0.	12.	0.	0.	0.	0.	12.	12.	1.0000	0.0	0.0069
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	1717.	12.	0.	6592.	5631.	2897.	1601.	583.	0.	0.	0.	0.	17303.	1729.	0.0999	0.9001	10.0075
AVERAGE YOS			0.0	2.01	6.80	13.42	19.22	24.25	0.0	0.0	0.0	0.0	7.82				
PRODUCTIVITY			0.	2476.	5603.	2897.	1601.	583.	0.	0.	0.	0.	13159.				

USMC OFFICER BASELINE FORCE (SIX CAT)

FILENAME= MB006CAT BASELINE DATE= 12/16/83 TIME= 15:01:58

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	1.	0.	0.	0.	0.	3.	10.	0.	6.	0.	20.
2	0.	0.	0.	1.	0.	0.	0.	1.	13.	0.	6.	0.	21.
3	0.	0.	3.	1.	0.	0.	0.	7.	162.	0.	2.	0.	175.
4	0.	0.	5.	1.	0.	0.	0.	4.	238.	0.	1.	0.	249.
5	0.	0.	3.	2.	1.	0.	0.	4.	129.	0.	2.	0.	141.
6	0.	0.	4.	2.	10.	0.	0.	3.	180.	0.	0.	0.	199.
7	0.	0.	2.	2.	1.	0.	0.	1.	113.	0.	0.	0.	119.
8	0.	0.	1.	3.	0.	0.	0.	2.	78.	0.	0.	0.	84.
9	0.	0.	0.	2.	0.	0.	0.	2.	54.	0.	0.	0.	58.
10	0.	0.	0.	1.	13.	0.	0.	0.	30.	0.	0.	0.	44.
11	0.	0.	2.	2.	16.	0.	0.	1.	40.	0.	0.	0.	61.
12	0.	0.	3.	3.	7.	0.	0.	1.	88.	0.	0.	0.	102.
13	0.	0.	1.	5.	3.	0.	0.	1.	36.	0.	0.	0.	46.
14	0.	0.	0.	1.	1.	0.	0.	0.	15.	0.	0.	0.	17.
15	0.	0.	2.	0.	4.	0.	0.	0.	9.	0.	0.	0.	15.
16	0.	0.	1.	0.	5.	0.	0.	0.	8.	0.	0.	0.	14.
17	0.	0.	0.	0.	7.	0.	0.	0.	4.	0.	0.	0.	11.
18	0.	0.	0.	2.	4.	0.	0.	0.	0.	0.	0.	0.	6.
19	0.	0.	0.	1.	22.	0.	0.	0.	0.	0.	0.	0.	23.
20	0.	0.	0.	1.	83.	0.	0.	0.	0.	0.	0.	0.	84.
21	0.	0.	0.	2.	62.	0.	0.	0.	0.	0.	0.	0.	64.
22	0.	0.	0.	2.	13.	0.	0.	0.	0.	0.	0.	0.	15.
23	0.	0.	0.	2.	4.	0.	0.	0.	0.	0.	0.	0.	6.
24	0.	0.	0.	1.	25.	0.	0.	0.	0.	0.	0.	0.	26.
25	0.	0.	0.	3.	22.	0.	0.	0.	0.	0.	0.	0.	25.
26	0.	0.	0.	0.	21.	0.	0.	0.	0.	0.	0.	8.	29.
27	0.	0.	0.	1.	27.	0.	0.	0.	0.	0.	0.	3.	31.
28	0.	0.	0.	1.	22.	0.	0.	0.	0.	0.	0.	0.	23.
29	0.	0.	0.	0.	9.	0.	0.	0.	0.	0.	0.	0.	9.
30	0.	0.	0.	0.	12.	0.	0.	0.	0.	0.	0.	0.	12.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	0.	28.	42.	393.	0.	0.	30.	1208.	0.	17.	11.	1729.
RETIRED POPULATION				1673.	12655.	0.	0.						14329.
					12655.								

USMC OFFICER BASELINE FORCE (SIX CAT)

FILENAME= MB006CAT BASELINE DATE= 12/16/83 TIME= 15:01:59

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	6592.	5631.	2897.	1601.	583.	0.	0.	0.	0.	17303.
****LOSSES****											
PROM-OUT	0.	1197.	503.	282.	104.	11.	0.	0.	0.	0.	2097.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	0.	10.	12.	6.	0.	0.	0.	0.	0.	0.	28.
LOSS:RET-DIS	0.	3.	19.	5.	9.	6.	0.	0.	0.	0.	42.
LOSS:RET-FC	0.	12.	10.	115.	170.	87.	0.	0.	0.	0.	393.
LOSS:RET-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	17.	13.	0.	0.	0.	0.	0.	0.	0.	30.
LOSS:OTH-FC	0.	463.	649.	95.	0.	0.	0.	0.	0.	0.	1208.
LOSS:OTH-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-INV	0.	15.	2.	0.	0.	0.	0.	0.	0.	0.	17.
TOTAL LOSSES	0.	1717.	1209.	503.	282.	104.	0.	0.	0.	0.	3815.
****GAINS****											
GAINS TO	0.	1717.	0.	0.	0.	0.	0.	0.	0.	0.	1717.
GAINS OTHER	0.	0.	12.	0.	0.	0.	0.	0.	0.	0.	12.
PROM-IN	0.	0.	1197.	503.	282.	104.	0.	0.	0.	0.	2086.
TOTAL GAINS	0.	1717.	1209.	503.	282.	104.	0.	0.	0.	0.	3815.
END STRENGTH	0.	6592.	5631.	2897.	1601.	583.	0.	0.	0.	0.	17303.

AIR FORCE BASELINE OFFICERS--11 CATEGORIES

FILENAME= FBO11CAT BASELINE DATE= 12/16/83 TIME= 15:02:14

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	6918.	0.	5952.	181.	697.	87.	0.	0.	0.	0.	0.	0.	6918.	129.	0.0186	0.9814	1.0000
2	0.	0.	5832.	180.	691.	86.	0.	0.	0.	0.	0.	0.	6789.	169.	0.0249	0.9751	0.9814
3	0.	0.	4.	5692.	839.	85.	0.	0.	0.	0.	0.	0.	6620.	309.	0.0466	0.9534	0.9569
4	0.	0.	0.	5515.	720.	76.	0.	0.	0.	0.	0.	0.	6311.	539.	0.0855	0.9145	0.9123
5	0.	0.	0.	115.	5600.	57.	0.	0.	0.	0.	0.	0.	5772.	344.	0.0596	0.9404	0.8344
6	0.	0.	0.	18.	5105.	260.	45.	0.	0.	0.	0.	0.	5428.	408.	0.0751	0.9249	0.7846
7	0.	0.	0.	0.	4739.	241.	40.	0.	0.	0.	0.	0.	5020.	317.	0.0631	0.9369	0.7257
8	0.	0.	0.	0.	4414.	255.	34.	0.	0.	0.	0.	0.	4703.	213.	0.0453	0.9547	0.6799
9	0.	0.	0.	0.	4181.	280.	29.	0.	0.	0.	0.	0.	4490.	131.	0.0292	0.9708	0.6491
10	0.	0.	0.	0.	4044.	288.	27.	0.	0.	0.	0.	0.	4359.	120.	0.0276	0.9724	0.6302
11	0.	0.	0.	0.	3858.	353.	28.	0.	0.	0.	0.	0.	4239.	105.	0.0247	0.9753	0.6128
12	0.	0.	0.	0.	2976.	994.	147.	17.	0.	0.	0.	0.	4135.	102.	0.0247	0.9753	0.5977
13	0.	0.	0.	0.	1541.	2317.	158.	16.	0.	0.	0.	0.	4032.	112.	0.0278	0.9722	0.5829
14	0.	0.	0.	0.	474.	3261.	172.	13.	0.	0.	0.	0.	3920.	98.	0.0251	0.9749	0.5667
15	0.	0.	0.	0.	377.	3260.	173.	12.	0.	0.	0.	0.	3822.	79.	0.0205	0.9795	0.5525
16	0.	0.	0.	0.	364.	3022.	344.	14.	0.	0.	0.	0.	3743.	143.	0.0381	0.9619	0.5411
17	0.	0.	0.	0.	348.	2036.	1199.	18.	0.	0.	0.	0.	3601.	183.	0.0507	0.9493	0.5205
18	0.	0.	0.	0.	288.	841.	2204.	85.	0.	0.	0.	0.	3418.	211.	0.0616	0.9384	0.4941
19	0.	0.	0.	0.	216.	714.	2185.	92.	0.	0.	0.	0.	3207.	292.	0.0909	0.9091	0.4636
20	0.	0.	0.	0.	111.	574.	1923.	308.	0.	0.	0.	0.	2916.	1058.	0.3628	0.6372	0.4215
21	0.	0.	0.	0.	0.	0.	1092.	765.	0.	0.	0.	0.	1858.	404.	0.2173	0.7827	0.2686
22	0.	0.	0.	0.	0.	0.	664.	791.	0.	0.	0.	0.	1454.	309.	0.2123	0.7877	0.2102
23	0.	0.	0.	0.	0.	0.	508.	638.	0.	0.	0.	0.	1145.	151.	0.1318	0.8682	0.1656
24	0.	0.	0.	0.	0.	0.	430.	565.	0.	0.	0.	0.	994.	190.	0.1908	0.8092	0.1437
25	0.	0.	0.	0.	0.	0.	316.	489.	0.	0.	0.	0.	805.	186.	0.2310	0.7690	0.1163
26	0.	0.	0.	0.	0.	0.	227.	392.	0.	0.	0.	0.	619.	128.	0.2064	0.7936	0.0895
27	0.	0.	0.	0.	0.	0.	177.	314.	0.	0.	0.	0.	491.	117.	0.2376	0.7624	0.0710
28	0.	0.	0.	0.	0.	0.	136.	239.	0.	0.	0.	0.	374.	208.	0.5547	0.4453	0.0541
29	0.	0.	0.	0.	0.	0.	0.	167.	0.	0.	0.	0.	167.	52.	0.3115	0.6885	0.0241
30	0.	0.	0.	0.	0.	0.	0.	115.	0.	0.	0.	0.	115.	115.	1.0000	0.0	0.0166
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	6918.	0.	11788.	11701.	41584.	19089.	12256.	5048.	0.	0.	0.	0.	101466.	6918.	0.0682	0.9318	14.6673
AVERAGE YOS			1.00	2.95	7.83	13.93	18.91	22.93	0.0	0.0	0.0	0.0	9.71				
PRODUCTIVITY			1460.	7160.	39769.	18876.	12256.	5048.	0.	0.	0.	0.	84569.				

AIR FORCE BASELINE OFFICERS--11 CATEGORIES

FILENAME= FBO11CAT BASELINE DATE= 12/16/83 TIME= 15:02:14

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	3.	3.	0.	0.	0.	3.	48.	18.	53.	0.	129.
2	0.	0.	10.	4.	0.	0.	0.	3.	86.	19.	47.	0.	169.
3	0.	0.	6.	6.	0.	0.	0.	2.	240.	18.	36.	0.	309.
4	0.	0.	6.	6.	0.	0.	0.	2.	343.	18.	165.	0.	539.
5	0.	0.	6.	5.	0.	0.	0.	1.	255.	13.	63.	0.	344.
6	0.	0.	6.	5.	0.	0.	0.	1.	341.	12.	43.	0.	408.
7	0.	0.	5.	5.	0.	0.	0.	1.	267.	11.	28.	0.	317.
8	0.	0.	5.	4.	0.	0.	0.	1.	161.	11.	32.	0.	213.
9	0.	0.	5.	4.	0.	0.	0.	1.	94.	10.	17.	0.	131.
10	0.	0.	4.	4.	3.	0.	0.	1.	87.	11.	10.	0.	120.
11	0.	0.	4.	5.	33.	0.	0.	1.	48.	9.	5.	0.	105.
12	0.	0.	4.	9.	39.	1.	0.	1.	38.	9.	2.	0.	102.
13	0.	0.	4.	4.	49.	2.	0.	1.	42.	8.	2.	0.	112.
14	0.	0.	4.	4.	58.	3.	0.	1.	19.	8.	2.	0.	98.
15	0.	0.	4.	4.	44.	3.	0.	1.	14.	8.	1.	0.	79.
16	0.	0.	4.	6.	115.	3.	0.	1.	6.	7.	2.	0.	143.
17	0.	0.	3.	12.	156.	2.	0.	0.	3.	5.	1.	0.	183.
18	0.	0.	3.	6.	191.	5	0.	0.	2.	2.	0.	0.	211.
19	0.	0.	2.	6.	279.	1.	0.	0.	0.	2.	0.	0.	292.
20	0.	0.	3.	10.	1041.	2.	0.	0.	0.	1.	0.	0.	1058.
21	0.	0.	2.	5.	396.	2.	0.	0.	0.	0.	0.	0.	404.
22	0.	0.	1.	4.	302.	1.	0.	0.	0.	0.	0.	0.	309.
23	0.	0.	1.	3.	146.	1.	0.	0.	0.	0.	0.	0.	151.
24	0.	0.	1.	3.	185.	1.	0.	0.	0.	0.	0.	0.	190.
25	0.	0.	1.	2.	182.	1.	0.	0.	0.	0.	0.	0.	186.
26	0.	0.	1.	2.	125.	1.	0.	0.	0.	0.	0.	0.	128.
27	0.	0.	0.	1.	115.	0.	0.	0.	0.	0.	0.	0.	117.
28	0.	0.	0.	1.	206.	0.	0.	0.	0.	0.	0.	0.	208.
29	0.	0.	0.	0.	51.	0.	0.	0.	0.	0.	0.	0.	52.
30	0.	0.	0.	0.	114.	0.	0.	0.	0.	0.	0.	0.	115.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	0.	100.	134.	3832.	28.	0.	18.	2095.	202.	509.	0.	6918.
RETIRED POPULATION				5431.	124948.	949.	0.						131328.
					|----(	125898.	)----|						

AIR FORCE BASELINE OFFICERS--11 CATEGORIES

FILENAME= FB011CAT BASELINE DATE= 12/16/83 TIME= 15:02:15

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	11788.	11701.	41584.	19089.	12256.	5048.	0.	0.	0.	0.	101467.
****LOSSES****											
PROM-OUT	5692.	5290.	3735.	2448.	967.	0.	0.	0.	0.	0.	18132.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	12.	12.	43.	17.	11.	5.	0.	0.	0.	0.	100.
LOSS:RET-DIS	4.	11.	40.	22.	39.	18.	0.	0.	0.	0.	134.
LOSS:RET-FC	0.	0.	466.	1077.	1357.	932.	0.	0.	0.	0.	3832.
LOSS:RET-VOL	0.	0.	0.	15.	9.	4.	0.	0.	0.	0.	28.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	4.	2.	8.	3.	0.	0.	0.	0.	0.	0.	18.
LOSS:OTH-FC	110.	328.	1395.	192.	63.	8.	0.	0.	0.	0.	2095.
LOSS:OTH-VOL	33.	33.	94.	40.	1.	0.	0.	0.	0.	0.	202.
LOSS:OTH-INV	97.	198.	207.	8.	0.	0.	0.	0.	0.	0.	509.
TOTAL LOSSES	5952.	5873.	5987.	3822.	2448.	967.	0.	0.	0.	0.	25050.
****GAINS****											
GAINS TO	5952.	181.	597.	87.	0.	0.	0.	0.	0.	0.	6918.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	5692.	5290.	3735.	2448.	967.	0.	0.	0.	0.	18132.
TOTAL GAINS	5952.	5873.	5987.	3822.	2448.	967.	0.	0.	0.	0.	25050.
END STRENGTH	11788.	11701.	41584.	19089.	12256.	5048.	0.	0.	0.	0.	101467.

NOAA BASELINE OFFICERS--1 CATEGORY

FILENAME= OB001CAT BASELINE DATE= 12/16/83 TIME= 15:03:01

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	41.	0.	41.	0.	0.	0.	0.	0.	0.	0.	0.	0.	41.	3.	0.0732	0.9268	1.0000
2	0.	0.	30.	8.	0.	0.	0.	0.	0.	0.	0.	0.	38.	4.	0.1052	0.8948	0.9268
3	0.	0.	0.	34.	0.	0.	0.	0.	0.	0.	0.	0.	34.	4.	0.1176	0.8824	0.8293
4	0.	0.	0.	29.	1.	0.	0.	0.	0.	0.	0.	0.	30.	2.	0.0667	0.9333	0.7317
5	0.	0.	0.	1.	27.	0.	0.	0.	0.	0.	0.	0.	28.	4.	0.1428	0.8572	0.6829
6	0.	0.	0.	0.	24.	0.	0.	0.	0.	0.	0.	0.	24.	3.	0.1250	0.8750	0.5854
7	0.	0.	0.	0.	20.	1.	0.	0.	0.	0.	0.	0.	21.	2.	0.0952	0.9048	0.5122
8	0.	0.	0.	0.	18.	1.	0.	0.	0.	0.	0.	0.	19.	6.	0.3157	0.6843	0.4634
9	0.	0.	0.	0.	2.	11.	0.	0.	0.	0.	0.	0.	13.	1.	0.0769	0.9231	0.3171
10	0.	0.	0.	0.	0.	12.	0.	0.	0.	0.	0.	0.	12.	0.	0.0	1.0000	0.2927
11	0.	0.	0.	0.	0.	11.	1.	0.	0.	0.	0.	0.	12.	0.	0.0	1.0000	0.2927
12	0.	0.	0.	0.	0.	11.	1.	0.	0.	0.	0.	0.	12.	1.	0.0833	0.9167	0.2927
13	0.	0.	0.	0.	0.	10.	1.	0.	0.	0.	0.	0.	11.	0.	0.0	1.0000	0.2683
14	0.	0.	0.	0.	0.	9.	2.	0.	0.	0.	0.	0.	11.	1.	0.0910	0.9090	0.2683
15	0.	0.	0.	0.	0.	3.	6.	1.	0.	0.	0.	0.	10.	0.	0.0	1.0000	0.2439
16	0.	0.	0.	0.	0.	2.	7.	1.	0.	0.	0.	0.	10.	0.	0.0	1.0000	0.2439
17	0.	0.	0.	0.	0.	2.	7.	1.	0.	0.	0.	0.	10.	1.	0.1000	0.9000	0.2439
18	0.	0.	0.	0.	0.	1.	7.	1.	0.	0.	0.	0.	9.	0.	0.0	1.0000	0.2195
19	0.	0.	0.	0.	0.	1.	7.	1.	0.	0.	0.	0.	9.	0.	0.0	1.0000	0.2195
20	0.	0.	0.	0.	0.	1.	7.	1.	0.	0.	0.	0.	9.	3.	0.3123	0.6877	0.2195
21	0.	0.	0.	0.	0.	0.	5.	1.	0.	0.	0.	0.	6.	1.	0.1677	0.8323	0.1510
22	0.	0.	0.	0.	0.	0.	2.	3.	0.	0.	0.	0.	5.	0.	0.0	1.0000	0.1256
23	0.	0.	0.	0.	0.	0.	2.	3.	0.	0.	0.	0.	5.	1.	0.2015	0.7985	0.1256
24	0.	0.	0.	0.	0.	0.	1.	3.	0.	0.	0.	0.	4.	0.	0.0	1.0000	0.1003
25	0.	0.	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	4.	1.	0.2500	0.7500	0.1003
26	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	3.	0.	0.0	1.0000	0.0752
27	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	3.	1.	0.3333	0.6667	0.0752
28	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	2.	0.	0.0	1.0000	0.0502
29	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	2.	1.	0.5000	0.5000	0.0502
30	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	1.	1.	1.0000	0.0	0.0251
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	41.	0.	71.	72.	92.	76.	56.	32.	0.	0.	0.	0.	398.	41.	0.1027	0.8973	9.7329
AVERAGE YOS			0.92	2.82	5.86	11.49	17.44	23.28	0.0	0.0	0.0	0.0	8.52				
PRODUCTIVITY			7.	42.	92.	76.	56.	32.	0.	0.	0.	0.	304.				

NGAA BASELINE OFFICERS--1 CATEGORY

FILENAME= OB001CAT BASELINE DATE= 12/16/83 TIME= 15:03:02

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	0.	1.	0.	0.	0.	0.	0.	1.	1.	0.	3.
2	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	0.	0.	4.
3	0.	0.	0.	1.	0.	0.	0.	0.	1.	1.	1.	0.	4.
4	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	2.
5	0.	0.	0.	1.	0.	0.	0.	0.	0.	1.	2.	0.	4.
6	0.	0.	0.	1.	0.	0.	0.	0.	0.	1.	1.	0.	3.
7	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	0.	2.
8	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	0.	0.	6.
9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.
10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.
13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.
15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	1.
18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	3.
21	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.
30	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	0.	0.	4.	5.	4.	0.	0.	14.	5.	7.	1.	41.
RETIRED POPULATION				212.	157.	125.	0.						495.
					283.								

NOAA BASELINE OFFICERS--1 CATEGORY

FILENAME= OBC01CAT BASELINE DATE= 12/16/83 TIME= 15:03:02

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	71.	72.	92.	76.	56.	32.	0.	0.	0.	0.	398.
****LOSSES****											
PROM-OUT	34.	28.	13.	8.	4.	1.	0.	0.	0.	0.	88.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-DIS	1.	1.	2.	0.	0.	0.	0.	0.	0.	0.	4.
LOSS:RET-FC	0.	0.	0.	2.	2.	1.	0.	0.	0.	0.	5.
LOSS:RET-VOL	0.	0.	0.	0.	2.	2.	0.	0.	0.	0.	4.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-FC	4.	3.	6.	1.	0.	0.	0.	0.	0.	0.	14.
LOSS:OTH-VOL	1.	1.	3.	0.	0.	0.	0.	0.	0.	0.	5.
LOSS:OTH-INV	1.	1.	4.	1.	0.	0.	0.	0.	0.	0.	7.
TOTAL LOSSES	41.	34.	28.	13.	8.	4.	0.	0.	0.	0.	128.
****GAINS****											
GAINS TO	41.	0.	0.	0.	0.	0.	0.	0.	0.	0.	41.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	34.	28.	13.	8.	4.	0.	0.	0.	0.	87.
TOTAL GAINS	41.	34.	28.	13.	8.	4.	0.	0.	0.	0.	128.
END STRENGTH	71.	72.	92.	76.	56.	32.	0.	0.	0.	0.	398.

PHS BASELINE OFFICERS--9 CATEGORIES

FILENAME= PB009CAT BASELINE DATE= 12/16/83 TIME= 15:03:16

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	991.	0.	306.	15.	570.	100.	0.	0.	0.	0.	0.	0.	991.	126.	0.1276	0.8724	1.0000
2	20.	0.	306.	14.	464.	100.	0.	0.	0.	0.	0.	0.	885.	133.	0.1505	0.8495	0.8724
3	27.	40.	210.	82.	376.	110.	0.	0.	0.	0.	0.	0.	778.	92.	0.1178	0.8822	0.7412
4	4.	85.	75.	165.	296.	154.	0.	0.	0.	0.	0.	0.	690.	128.	0.1858	0.8142	0.6538
5	11.	75.	25.	215.	25.	309.	0.	0.	0.	0.	0.	0.	574.	72.	0.1248	0.8752	0.5323
6	1.	0.	15.	197.	43.	234.	14.	0.	0.	0.	0.	0.	503.	80.	0.1593	0.8407	0.4659
7	10.	0.	8.	95.	130.	168.	32.	0.	0.	0.	0.	0.	433.	50.	0.1155	0.8845	0.3917
8	2.	0.	0.	25.	162.	132.	66.	0.	0.	0.	0.	0.	385.	52.	0.1351	0.8649	0.3464
9	0.	0.	0.	10.	140.	109.	74.	0.	0.	0.	0.	0.	333.	25.	0.0757	0.9243	0.2996
10	0.	0.	0.	7.	123.	68.	108.	2.	0.	0.	0.	0.	308.	59.	0.1913	0.8087	0.2770
11	10.	0.	0.	2.	58.	127.	69.	3.	0.	0.	0.	0.	259.	29.	0.1102	0.8898	0.2240
12	0.	0.	0.	0.	40.	122.	60.	8.	0.	0.	0.	0.	230.	21.	0.0912	0.9088	0.1993
13	0.	0.	0.	0.	22.	93.	81.	13.	0.	0.	0.	0.	209.	31.	0.1479	0.8521	0.1811
14	0.	0.	0.	0.	12.	55.	94.	17.	0.	0.	0.	0.	178.	26.	0.1458	0.8542	0.1543
15	0.	0.	0.	0.	0.	12.	120.	20.	0.	0.	0.	0.	152.	17.	0.1116	0.8884	0.1318
16	7.	0.	0.	0.	0.	10.	100.	32.	0.	0.	0.	0.	142.	25.	0.1757	0.8243	0.1171
17	0.	0.	0.	0.	0.	8.	61.	48.	0.	0.	0.	0.	117.	4.	0.0341	0.9659	0.0965
18	0.	0.	0.	0.	0.	8.	48.	57.	0.	0.	0.	0.	113.	9.	0.0794	0.9206	0.0932
19	0.	0.	0.	0.	0.	6.	14.	84.	0.	0.	0.	0.	104.	4.	0.0383	0.9617	0.0858
20	0.	0.	0.	0.	0.	6.	13.	81.	0.	0.	0.	0.	100.	21.	0.2105	0.7895	0.0826
21	0.	0.	0.	0.	0.	6.	8.	65.	0.	0.	0.	0.	79.	12.	0.1529	0.8471	0.0652
22	0.	0.	0.	0.	0.	0.	10.	57.	0.	0.	0.	0.	67.	15.	0.2243	0.7757	0.0552
23	0.	0.	0.	0.	0.	0.	8.	44.	0.	0.	0.	0.	52.	25.	0.4808	0.5192	0.0428
24	0.	0.	0.	0.	0.	0.	5.	22.	0.	0.	0.	0.	27.	6.	0.2221	0.7779	0.0222
25	0.	0.	0.	0.	0.	0.	4.	17.	0.	0.	0.	0.	21.	13.	0.6184	0.3816	0.0173
26	0.	0.	0.	0.	0.	0.	0.	8.	0.	0.	0.	0.	8.	2.	0.2523	0.7477	0.0066
27	0.	0.	0.	0.	0.	0.	0.	6.	0.	0.	0.	0.	6.	1.	0.1667	0.8333	0.0049
28	0.	0.	0.	0.	0.	0.	0.	5.	0.	0.	0.	0.	5.	2.	0.4000	0.6000	0.0041
29	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	3.	0.	0.0	1.0000	0.0025
30	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	3.	1.	0.3333	0.6667	0.0025
31	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	2.	0.	0.0	1.0000	0.0016
32	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	2.	1.	0.5000	0.5000	0.0016
33	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	1.	1.	1.0000	0.0	0.0008
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	1083.	200.	945.	827.	2461.	1937.	991.	601.	0.	0.	0.	0.	7762.	1083.	0.1395	0.8605	7.1668
AVERAGE YOS			1.74	4.64	3.75	6.68	12.70	19.26	0.0	0.0	0.0	0.0	6.68				
PRODUCTIVITY			286.	719.	1281.	1668.	991.	601.	0.	0.	0.	0.	5546.				

PHS BASELINE OFFICERS--9 CATEGORIES

FILENAME= PB009CAT BASELINE DATE= 12/16/83 TIME= 15:03:16

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	0.	0.	0.	0.	0.	0.	105.	13.	8.	0.	126.
2	40.	0.	0.	0.	0.	0.	0.	0.	112.	16.	5.	0.	133.
3	86.	0.	0.	0.	0.	0.	0.	0.	74.	12.	6.	0.	92.
4	74.	0.	1.	0.	0.	0.	0.	3.	94.	21.	9.	0.	128.
5	0.	0.	0.	1.	0.	0.	0.	0.	55.	11.	5.	0.	72.
6	0.	0.	1.	1.	0.	0.	0.	1.	63.	9.	5.	0.	80.
7	0.	0.	0.	1.	0.	0.	0.	0.	42.	3.	4.	0.	50.
8	0.	0.	1.	0.	0.	0.	0.	0.	46.	3.	2.	0.	52.
9	0.	0.	1.	0.	0.	0.	0.	1.	17.	5.	1.	0.	25.
10	0.	0.	0.	0.	0.	0.	0.	0.	54.	3.	2.	0.	59.
11	0.	0.	0.	0.	0.	0.	0.	1.	27.	0.	1.	0.	29.
12	0.	0.	0.	1.	0.	0.	0.	0.	17.	2.	1.	0.	21.
13	0.	0.	0.	0.	0.	0.	0.	0.	26.	4.	1.	0.	31.
14	0.	0.	1.	0.	0.	0.	0.	0.	25.	0.	0.	0.	26.
15	0.	0.	0.	1.	0.	0.	0.	2.	12.	1.	1.	0.	17.
16	0.	0.	1.	2.	1.	0.	0.	1.	18.	2.	0.	0.	25.
17	0.	0.	0.	1.	2.	0.	1.	0.	0.	0.	0.	0.	4.
18	0.	0.	0.	2.	2.	0.	0.	2.	2.	1.	0.	0.	9.
19	0.	0.	1.	1.	2.	0.	0.	0.	0.	0.	0.	0.	4.
20	0.	0.	1.	0.	13.	4.	3.	0.	0.	0.	0.	0.	21.
21	0.	0.	0.	0.	10.	2.	0.	0.	0.	0.	0.	0.	12.
22	0.	0.	0.	0.	9.	6.	0.	0.	0.	0.	0.	0.	15.
23	0.	0.	1.	0.	8.	15.	1.	0.	0.	0.	0.	0.	25.
24	0.	0.	0.	0.	3.	3.	0.	0.	0.	0.	0.	0.	6.
25	0.	0.	0.	0.	9.	4.	0.	0.	0.	0.	0.	0.	13.
26	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	2.
27	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.
28	0.	0.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.
33	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	200.	0.	10.	11.	66.	34.	5.	11.	789.	106.	51.	0.	1083.
RETIRED POPULATION				444.	2131.	1089.	170.						3834.
					3390.								

PHS BASELINE OFFICERS--9 CATEGORIES

FILENAME= PB009CAT BASELINE DATE= 12/16/83 TIME= 15:03:17

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	945.	827.	2461.	1937.	991.	601.	0.	0.	0.	0.	7762.
****LOSSES****											
PROM-OUT	224.	206.	346.	299.	110.	0.	0.	0.	0.	0.	1185.
LOSS:XFR-OTH	0.	0.	100.	100.	0.	0.	0.	0.	0.	0.	200.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	0.	0.	1.	3.	1.	5.	0.	0.	0.	0.	10.
LOSS:RET-DIS	0.	0.	1.	2.	4.	4.	0.	0.	0.	0.	11.
LOSS:RET-FC	0.	0.	0.	3.	5.	58.	0.	0.	0.	0.	66.
LOSS:RET-VOL	0.	0.	0.	0.	2.	32.	0.	0.	0.	0.	34.
LOSS:RET-INV	0.	0.	0.	0.	0.	5.	0.	0.	0.	0.	5.
LOSS:OTH-DIS	1.	1.	0.	3.	6.	0.	0.	0.	0.	0.	11.
LOSS:OTH-FC	65.	44.	311.	221.	141.	7.	0.	0.	0.	0.	789.
LOSS:OTH-VOL	21.	1.	20.	41.	19.	4.	0.	0.	0.	0.	106.
LOSS:OTH-INV	7.	2.	12.	18.	10.	2.	0.	0.	0.	0.	51.
TOTAL LOSSES	318.	254.	790.	690.	299.	117.	0.	0.	0.	0.	2468.
****GAINS****											
GAINS TO	318.	30.	584.	144.	0.	7.	0.	0.	0.	0.	1083.
GAINS OTHER	0.	0.	0.	200.	0.	0.	0.	0.	0.	0.	200.
PROM-IN	0.	224.	206.	346.	299.	110.	0.	0.	0.	0.	1185.
TOTAL GAINS	318.	254.	790.	690.	299.	117.	0.	0.	0.	0.	2468.
END STRENGTH	945.	827.	2461.	1937.	991.	601.	0.	0.	0.	0.	7762.

ARMY BASELINE WARRANTS--2 CATEGORIES (REVISED 23 MAY)

FILENAME= ABW02CAT BASELINE DATE= 12/16/83 TIME= 15:00:23

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	267.	0.	267.	0.	0.	0.	0.	0.	0.	0.	0.	0.	267.	16.	0.0585	0.9415	1.0000
2	30.	0.	282.	0.	0.	0.	0.	0.	0.	0.	0.	0.	282.	14.	0.0490	0.9510	0.9415
3	18.	0.	223.	63.	0.	0.	0.	0.	0.	0.	0.	0.	286.	24.	0.0841	0.9159	0.8954
4	68.	0.	185.	145.	0.	0.	0.	0.	0.	0.	0.	0.	330.	70.	0.2116	0.7884	0.8201
5	48.	0.	162.	146.	0.	0.	0.	0.	0.	0.	0.	0.	308.	54.	0.1751	0.8249	0.6465
6	89.	0.	157.	186.	0.	0.	0.	0.	0.	0.	0.	0.	343.	41.	0.1195	0.8805	0.5333
7	76.	0.	182.	196.	0.	0.	0.	0.	0.	0.	0.	0.	378.	92.	0.2436	0.7564	0.4696
8	146.	0.	215.	207.	10.	0.	0.	0.	0.	0.	0.	0.	432.	28.	0.0649	0.9351	0.3552
9	84.	0.	229.	249.	10.	0.	0.	0.	0.	0.	0.	0.	488.	35.	0.0709	0.9291	0.3322
10	93.	0.	238.	260.	54.	0.	0.	0.	0.	0.	0.	0.	551.	46.	0.0834	0.9166	0.3086
11	84.	0.	247.	268.	74.	0.	0.	0.	0.	0.	0.	0.	589.	17.	0.0289	0.9711	0.2828
12	92.	0.	242.	329.	93.	0.	0.	0.	0.	0.	0.	0.	664.	13.	0.0197	0.9803	0.2747
13	84.	0.	263.	363.	106.	3.	0.	0.	0.	0.	0.	0.	735.	48.	0.0657	0.9343	0.2693
14	84.	0.	248.	367.	145.	11.	0.	0.	0.	0.	0.	0.	771.	57.	0.0746	0.9254	0.2516
15	61.	0.	221.	351.	188.	14.	0.	0.	0.	0.	0.	0.	774.	26.	0.0336	0.9664	0.2328
16	46.	0.	213.	333.	221.	27.	0.	0.	0.	0.	0.	0.	794.	59.	0.0746	0.9254	0.2250
17	0.	0.	133.	276.	281.	45.	0.	0.	0.	0.	0.	0.	735.	38.	0.0515	0.9485	0.2082
18	0.	0.	50.	260.	322.	65.	0.	0.	0.	0.	0.	0.	697.	29.	0.0417	0.9583	0.1975
19	0.	0.	3.	245.	344.	76.	0.	0.	0.	0.	0.	0.	668.	9.	0.0141	0.9859	0.1892
20	0.	0.	0.	240.	341.	78.	0.	0.	0.	0.	0.	0.	659.	11.	0.0170	0.9830	0.1866
21	0.	0.	0.	220.	324.	104.	0.	0.	0.	0.	0.	0.	648.	21.	0.0327	0.9673	0.1834
22	0.	0.	0.	200.	302.	124.	0.	0.	0.	0.	0.	0.	626.	11.	0.0181	0.9819	0.1774
23	0.	0.	0.	184.	289.	142.	0.	0.	0.	0.	0.	0.	615.	28.	0.0448	0.9552	0.1742
24	0.	0.	0.	174.	259.	155.	0.	0.	0.	0.	0.	0.	587.	19.	0.0320	0.9680	0.1664
25	0.	0.	0.	164.	235.	170.	0.	0.	0.	0.	0.	0.	569.	172.	0.3031	0.6969	0.1611
26	0.	0.	0.	0.	212.	184.	0.	0.	0.	0.	0.	0.	396.	242.	0.6117	0.3883	0.1122
27	0.	0.	0.	0.	0.	154.	0.	0.	0.	0.	0.	0.	154.	42.	0.2725	0.7275	0.0436
28	0.	0.	0.	0.	0.	112.	0.	0.	0.	0.	0.	0.	112.	18.	0.1604	0.8396	0.0317
29	0.	0.	0.	0.	0.	94.	0.	0.	0.	0.	0.	0.	94.	65.	0.6931	0.3069	0.0266
30	0.	0.	0.	0.	0.	29.	0.	0.	0.	0.	0.	0.	29.	29.	1.0000	0.0000	0.0082
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0000
TOT	1375.	0.	3760.	5424.	3812.	1587.	0.	0.	0.	0.	0.	0.	14584.	1375.	0.0943	0.9057	10.6935
AVERAGE YOS			8.51	13.91	18.93	23.19	0.0	0.0	0.0	0.0	0.0	0.0	14.84				
PRODUCTIVITY			3124.	5357.	3812.	1587.	0.	0.	0.	0.	0.	0.	13880.				

ARMY BASELINE WARRANTS--2 CATEGORIES (REVISED 23 MAY)

FILENAME= ABW02CAT BASELINE DATE= 12/16/83 TIME= 15:00:26

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	0.	0.	0.	0.	0.	1.	14.	0.	0.	0.	16.
2	0.	0.	0.	0.	0.	0.	0.	1.	13.	0.	0.	0.	14.
3	0.	0.	0.	0.	0.	0.	0.	0.	22.	0.	1.	0.	24.
4	0.	0.	0.	0.	0.	0.	0.	0.	67.	1.	1.	0.	70.
5	0.	0.	0.	1.	0.	0.	0.	0.	52.	1.	0.	0.	54.
6	0.	0.	0.	1.	0.	0.	0.	0.	38.	1.	1.	0.	41.
7	0.	0.	0.	1.	0.	0.	0.	0.	90.	1.	0.	0.	92.
8	0.	0.	0.	1.	0.	0.	0.	0.	24.	1.	1.	0.	28.
9	0.	0.	0.	1.	0.	0.	0.	0.	32.	0.	1.	0.	35.
10	0.	0.	0.	1.	0.	0.	0.	0.	42.	1.	1.	0.	46.
11	0.	0.	0.	2.	0.	0.	0.	0.	13.	1.	1.	0.	17.
12	0.	0.	0.	2.	0.	0.	0.	0.	9.	1.	1.	0.	13.
13	0.	0.	1.	2.	0.	0.	0.	0.	43.	1.	1.	0.	48.
14	0.	0.	1.	3.	0.	0.	0.	0.	52.	1.	0.	0.	57.
15	0.	0.	1.	3.	0.	0.	0.	0.	20.	0.	1.	0.	26.
16	0.	0.	1.	4.	0.	0.	0.	0.	53.	2.	1.	0.	59.
17	0.	0.	1.	4.	0.	0.	0.	0.	25.	8.	0.	0.	38.
18	0.	0.	1.	4.	0.	0.	0.	0.	24.	1.	0.	0.	29.
19	0.	0.	1.	4.	0.	0.	0.	0.	4.	1.	0.	0.	9.
20	0.	0.	1.	4.	5.	0.	0.	0.	0.	0.	1.	0.	11.
21	0.	0.	1.	5.	16.	0.	0.	0.	0.	0.	0.	0.	21.
22	0.	0.	1.	5.	5.	0.	0.	0.	0.	0.	1.	0.	11.
23	0.	0.	1.	5.	22.	0.	0.	0.	0.	0.	0.	0.	28.
24	0.	0.	1.	5.	13.	0.	0.	0.	0.	0.	0.	0.	19.
25	0.	0.	1.	6.	165.	0.	0.	0.	0.	0.	1.	0.	172.
26	0.	0.	0.	4.	236.	0.	0.	0.	0.	0.	2.	0.	242.
27	0.	0.	0.	2.	40.	0.	0.	0.	0.	0.	0.	0.	42.
28	0.	0.	0.	1.	16.	0.	0.	0.	0.	0.	0.	0.	18.
29	0.	0.	0.	1.	64.	0.	0.	0.	0.	0.	0.	0.	65.
30	0.	0.	0.	0.	28.	0.	0.	0.	0.	0.	0.	0.	29.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	0.	12.	74.	608.	0.	0.	7.	637.	20.	17.	0.	1375.
RETIRED POPULATION				2799.	19317.	0.	0.						22116.
					!----(	19317.	)----!						

ARMY BASELINE WARRANTS--2 CATEGORIES (REVISED 23 MAY)

FILENAME= ABWO2CAT BASELINE DATE= 12/16/83 TIME= 15:00:30

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	3760.	5424.	3812.	1587.	0.	0.	0.	0.	0.	0.	14584.
****LOSSES****											
PROM-OUT	764.	592.	202.	0.	0.	0.	0.	0.	0.	0.	1558.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	2.	4.	4.	2.	0.	0.	0.	0.	0.	0.	12.
LOSS:RET-DIS	10.	24.	25.	15.	0.	0.	0.	0.	0.	0.	74.
LOSS:RET-FC	0.	70.	357.	182.	0.	0.	0.	0.	0.	0.	608.
LOSS:RET-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	4.	3.	1.	0.	0.	0.	0.	0.	0.	0.	7.
LOSS:OTH-FC	589.	48.	0.	0.	0.	0.	0.	0.	0.	0.	637.
LOSS:OTH-VOL	3.	16.	1.	0.	0.	0.	0.	0.	0.	0.	20.
LOSS:OTH-INV	4.	8.	3.	3.	0.	0.	0.	0.	0.	0.	17.
TOTAL LOSSES	1375.	764.	592.	202.	0.	0.	0.	0.	0.	0.	2933.
****GAINS****											
GAINS TO	1375.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1375.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	764.	592.	202.	0.	0.	0.	0.	0.	0.	1558.
TOTAL GAINS	1375.	764.	592.	202.	0.	0.	0.	0.	0.	0.	2933.
END STRENGTH	3760.	5424.	3812.	1587.	0.	0.	0.	0.	0.	0.	14584.

NAVY BASELINE WARRANT OFFICER, 1 CATEGORY.

FILENAME= NBWO1CAT BASELINE DATE= 12/16/83 TIME= 15:00:40

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	340.	0.	0.	340.	0.	0.	0.	0.	0.	0.	0.	0.	340.	0.	0.0006	0.9994	1.0000
2	0.	0.	0.	340.	0.	0.	0.	0.	0.	0.	0.	0.	340.	65.	0.1898	0.8102	0.9994
3	0.	0.	0.	276.	0.	0.	0.	0.	0.	0.	0.	0.	276.	3.	0.0117	0.9883	0.8097
4	0.	0.	0.	24.	248.	0.	0.	0.	0.	0.	0.	0.	272.	3.	0.0121	0.9879	0.8002
5	0.	0.	0.	24.	245.	0.	0.	0.	0.	0.	0.	0.	269.	14.	0.0513	0.9487	0.7906
6	0.	0.	0.	24.	231.	0.	0.	0.	0.	0.	0.	0.	255.	26.	0.1036	0.8964	0.7500
7	0.	0.	0.	0.	44.	185.	0.	0.	0.	0.	0.	0.	229.	0.	0.0017	0.9983	0.6723
8	0.	0.	0.	0.	44.	185.	0.	0.	0.	0.	0.	0.	228.	13.	0.0549	0.9451	0.6711
9	0.	0.	0.	0.	37.	179.	0.	0.	0.	0.	0.	0.	216.	42.	0.1928	0.8072	0.6342
10	0.	0.	0.	0.	24.	151.	0.	0.	0.	0.	0.	0.	174.	24.	0.1394	0.8606	0.5120
11	0.	0.	0.	0.	0.	150.	0.	0.	0.	0.	0.	0.	150.	18.	0.1231	0.8769	0.4406
12	0.	0.	0.	0.	0.	132.	0.	0.	0.	0.	0.	0.	132.	15.	0.1122	0.8878	0.3864
13	0.	0.	0.	0.	0.	117.	0.	0.	0.	0.	0.	0.	117.	7.	0.0601	0.9399	0.3430
14	0.	0.	0.	0.	0.	110.	0.	0.	0.	0.	0.	0.	110.	23.	0.2072	0.7928	0.3224
15	0.	0.	0.	0.	0.	87.	0.	0.	0.	0.	0.	0.	87.	48.	0.5483	0.4517	0.2556
16	0.	0.	0.	0.	0.	39.	0.	0.	0.	0.	0.	0.	39.	39.	1.0000	0.0	0.1155
17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	340.	0.	0.	1029.	872.	1334.	0.	0.	0.	0.	0.	0.	3235.	340.	0.1052	0.8948	9.5030
AVERAGE YOS			0.0	1.65	5.04	10.08	0.0	0.0	0.0	0.0	0.0	0.0	6.04				
PRODUCTIVITY			0.	289.	810.	1334.	0.	0.	0.	0.	0.	0.	2433.				

NAVY BASELINE WARRANT OFFICER, 1 CATEGORY.

FILENAME= NBWO1CAT BASELINE DATE= 12/16/83 TIME= 15:00:40

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	0.	63.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	65.
3	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.
4	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.
5	0.	12.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	14.
6	0.	2.	0.	0.	5.	0.	0.	0.	19.	0.	0.	0.	26.
7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	0.	4.	0.	2.	6.	0.	0.	0.	0.	0.	0.	0.	13.
9	0.	4.	0.	24.	13.	0.	0.	0.	0.	0.	0.	0.	42.
10	0.	0.	0.	0.	11.	0.	0.	0.	12.	0.	0.	0.	24.
11	0.	0.	0.	0.	18.	0.	0.	0.	0.	0.	0.	0.	18.
12	0.	0.	0.	0.	15.	0.	0.	0.	0.	0.	0.	0.	15.
13	0.	0.	0.	0.	7.	0.	0.	0.	0.	0.	0.	0.	7.
14	0.	0.	0.	0.	22.	0.	0.	0.	0.	0.	0.	0.	23.
15	0.	0.	0.	0.	47.	0.	0.	0.	0.	0.	0.	0.	48.
16	0.	0.	0.	0.	0.	0.	0.	0.	39.	0.	0.	0.	39.
17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	91.	3.	28.	145.	0.	3.	0.	71.	0.	1.	0.	340.
RETIRED POPULATION				1320.	5399.	0.	105.						6824.
					I----(	5505.	)----I						

NAVY BASELINE WARRANT OFFICER, 1 CATEGORY.

FILENAME= NBWO1CAT BASELINE DATE= 12/16/83 TIME= 15:00:41

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	1029.	872.	1334.	0.	0.	0.	0.	0.	0.	3235.
****LOSSES****											
PROM-OUT	0.	248.	185.	0.	0.	0.	0.	0.	0.	0.	433.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	66.	17.	8.	0.	0.	0.	0.	0.	0.	91.
LOSS:DEATH	0.	1.	1.	1.	0.	0.	0.	0.	0.	0.	3.
LOSS:RET-DIS	0.	0.	1.	27.	0.	0.	0.	0.	0.	0.	28.
LOSS:RET-FC	0.	5.	31.	109.	0.	0.	0.	0.	0.	0.	145.
LOSS:RET-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-INV	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	3.
LOSS:OTH-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-FC	0.	19.	12.	39.	0.	0.	0.	0.	0.	0.	71.
LOSS:OTH-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.
TOTAL LOSSES	0.	340.	248.	185.	0.	0.	0.	0.	0.	0.	773.
****GAINS****											
GAINS TO	0.	340.	0.	0.	0.	0.	0.	0.	0.	0.	340.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	248.	185.	0.	0.	0.	0.	0.	0.	433.
TOTAL GAINS	0.	340.	248.	185.	0.	0.	0.	0.	0.	0.	773.
END STRENGTH	0.	1029.	872.	1334.	0.	0.	0.	0.	0.	0.	3235.

MARINE BASELINE WARRANT --1 CATEGORY

FILENAME= MBW01CAT BASELINE DATE= 12/16/83 TIME= 15:00:59

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	197.	0.	197.	0.	0.	0.	0.	0.	0.	0.	0.	0.	197.	2.	0.0080	0.9920	1.0000
2	0.	0.	195.	0.	0.	0.	0.	0.	0.	0.	0.	0.	195.	1.	0.0040	0.9960	0.9920
3	0.	0.	0.	195.	0.	0.	0.	0.	0.	0.	0.	0.	195.	75.	0.3880	0.6120	0.9880
4	0.	0.	0.	119.	0.	0.	0.	0.	0.	0.	0.	0.	119.	46.	0.3890	0.6110	0.6047
5	0.	0.	0.	73.	0.	0.	0.	0.	0.	0.	0.	0.	73.	11.	0.1490	0.8510	0.3695
6	0.	0.	0.	62.	0.	0.	0.	0.	0.	0.	0.	0.	62.	10.	0.1550	0.8450	0.3144
7	0.	0.	0.	0.	52.	0.	0.	0.	0.	0.	0.	0.	52.	1.	0.0192	0.9808	0.2657
8	0.	0.	0.	0.	51.	0.	0.	0.	0.	0.	0.	0.	51.	4.	0.0784	0.9216	0.2606
9	0.	0.	0.	0.	47.	0.	0.	0.	0.	0.	0.	0.	47.	3.	0.0630	0.9370	0.2401
10	0.	0.	0.	0.	44.	0.	0.	0.	0.	0.	0.	0.	44.	2.	0.0340	0.9660	0.2250
11	0.	0.	0.	0.	0.	43.	0.	0.	0.	0.	0.	0.	43.	6.	0.1310	0.8690	0.2174
12	0.	0.	0.	0.	0.	37.	0.	0.	0.	0.	0.	0.	37.	4.	0.1010	0.8990	0.1889
13	0.	0.	0.	0.	0.	33.	0.	0.	0.	0.	0.	0.	33.	5.	0.1515	0.8485	0.1698
14	0.	0.	0.	0.	0.	28.	0.	0.	0.	0.	0.	0.	28.	4.	0.1330	0.8670	0.1441
15	0.	0.	0.	0.	0.	25.	0.	0.	0.	0.	0.	0.	25.	3.	0.1250	0.8750	0.1249
16	0.	0.	0.	0.	0.	22.	0.	0.	0.	0.	0.	0.	22.	4.	0.1820	0.8180	0.1093
17	0.	0.	0.	0.	0.	18.	0.	0.	0.	0.	0.	0.	18.	4.	0.2230	0.7770	0.0894
18	0.	0.	0.	0.	0.	14.	0.	0.	0.	0.	0.	0.	14.	3.	0.2308	0.7692	0.0695
19	0.	0.	0.	0.	0.	11.	0.	0.	0.	0.	0.	0.	11.	2.	0.1890	0.8110	0.0534
20	0.	0.	0.	0.	0.	9.	0.	0.	0.	0.	0.	0.	9.	2.	0.2470	0.7530	0.0433
21	0.	0.	0.	0.	0.	6.	0.	0.	0.	0.	0.	0.	6.	2.	0.3330	0.6670	0.0326
22	0.	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	4.	1.	0.2500	0.7500	0.0218
23	0.	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	3.	1.	0.3333	0.6667	0.0163
24	0.	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	2.	2.	1.0000	0.0	0.0109
25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	197.	0.	392.	448.	195.	254.	0.	0.	0.	0.	0.	0.	1290.	197.	0.1526	0.8474	6.5516
AVERAGE YOS			1.00	3.50	7.93	14.18	0.0	0.0	0.0	0.0	0.0	0.0	5.52				
PRODUCTIVITY			49.	321.	195.	254.	0.	0.	0.	0.	0.	0.	820.				

MARINE BASELINE WARRANT --1 CATEGORY

FILENAME= MBW01CAT BASELINE DATE= 12/16/83 TIME= 15:01:01

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	0.	0.	0.	0.	0.	0.	2.	0.	0.	0.	2.
2	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	1.
3	0.	72.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.	75.
4	0.	40.	0.	0.	2.	0.	0.	0.	0.	5.	0.	0.	46.
5	0.	9.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	11.
6	0.	8.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	10.
7	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.
8	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	0.	4.
9	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	3.
10	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	2.
11	0.	0.	0.	0.	6.	0.	0.	0.	0.	0.	0.	0.	6.
12	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	0.	4.
13	0.	0.	0.	0.	5.	0.	0.	0.	0.	0.	0.	0.	5.
14	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	0.	4.
15	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	3.
16	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	0.	4.
17	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	0.	4.
18	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	3.
19	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	2.
20	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	2.
21	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	2.
22	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.
23	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.
24	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	2.
25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	129.	0.	0.	57.	0.	0.	0.	2.	9.	0.	0.	197.
RETIRED POPULATION				0.	2093.	0.	0.						2093.
					I----(	2093.	)----I						

MARINE BASELINE WARRANT --1 CATEGORY

FILENAME= MBW01CAT BASELINE DATE= 12/16/83 TIME= 15:01:01

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	392.	448.	195.	254.	0.	0.	0.	0.	0.	0.	1290.
****LOSSES****											
PROM-OUT	195.	52.	43.	0.	0.	0.	0.	0.	0.	0.	290.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS;XFR-OFF	0.	129.	0.	0.	0.	0.	0.	0.	0.	0.	129.
LOSS:DEATH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RFT-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-FC	0.	5.	9.	43.	0.	0.	0.	0.	0.	0.	57.
LOSS:RET-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-FC	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.
LOSS:OTH-VOL	0.	8.	1.	0.	0.	0.	0.	0.	0.	0.	9.
LOSS:OTH-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL LOSSES	197.	195.	52.	43.	0.	0.	0.	0.	0.	0.	487.
****GAINS****											
GAINS TO	197.	0.	0.	0.	0.	0.	0.	0.	0.	0.	197.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	195.	52.	43.	0.	0.	0.	0.	0.	0.	290.
TOTAL GAINS	197.	195.	52.	43.	0.	0.	0.	0.	0.	0.	487.
END STRENGTH	392.	448.	195.	254.	0.	0.	0.	0.	0.	0.	1290.

UNITED STATES COAST GUARD -- WARRANT OFFICER BASELINE FORCE

FILENAME= CBW01CAT BASELINE DATE= 12/16/83 TIME= 15:02:48

TOTAL FORCE DISPLAY

YOS	G:TC	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	1.0000
13	3.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.0	1.0000	1.0000
14	14.	0.	0.	17.	0.	0.	0.	0.	0.	0.	0.	0.	17.	1.	0.0714	0.9286	1.0000
15	11.	0.	0.	27.	0.	0.	0.	0.	0.	0.	0.	0.	27.	1.	0.0370	0.9630	0.9286
16	23.	0.	0.	46.	3.	0.	0.	0.	0.	0.	0.	0.	49.	1.	0.0180	0.9820	0.8942
17	29.	0.	0.	62.	6.	0.	0.	0.	0.	0.	0.	0.	68.	3.	0.0440	0.9560	0.8781
18	20.	0.	0.	75.	10.	0.	0.	0.	0.	0.	0.	0.	85.	3.	0.0350	0.9650	0.8395
19	25.	0.	0.	87.	20.	0.	0.	0.	0.	0.	0.	0.	107.	3.	0.0281	0.9719	0.8101
20	34.	0.	0.	107.	31.	0.	0.	0.	0.	0.	0.	0.	138.	9.	0.0653	0.9347	0.7873
21	16.	0.	0.	110.	35.	0.	0.	0.	0.	0.	0.	0.	145.	11.	0.0759	0.9241	0.7359
22	0.	0.	0.	79.	55.	0.	0.	0.	0.	0.	0.	0.	134.	33.	0.2463	0.7537	0.6801
23	0.	0.	0.	50.	48.	3.	0.	0.	0.	0.	0.	0.	101.	18.	0.1783	0.8217	0.5126
24	0.	0.	0.	30.	44.	9.	0.	0.	0.	0.	0.	0.	83.	13.	0.1566	0.8434	0.4212
25	0.	0.	0.	20.	39.	11.	0.	0.	0.	0.	0.	0.	70.	3.	0.0428	0.9572	0.3552
26	0.	0.	0.	15.	34.	18.	0.	0.	0.	0.	0.	0.	67.	4.	0.0597	0.9403	0.3400
27	0.	0.	0.	11.	30.	22.	0.	0.	0.	0.	0.	0.	63.	6.	0.0953	0.9047	0.3197
28	0.	0.	0.	7.	26.	24.	0.	0.	0.	0.	0.	0.	57.	4.	0.0702	0.9298	0.2892
29	0.	0.	0.	5.	22.	26.	0.	0.	0.	0.	0.	0.	53.	1.	0.0189	0.9811	0.2689
30	0.	0.	0.	4.	18.	30.	0.	0.	0.	0.	0.	0.	52.	2.	0.0385	0.9615	0.2638
31	0.	0.	0.	2.	14.	34.	0.	0.	0.	0.	0.	0.	50.	19.	0.3800	0.6200	0.2537
32	0.	0.	0.	1.	7.	23.	0.	0.	0.	0.	0.	0.	31.	10.	0.3226	0.6774	0.1573
33	0.	0.	0.	1.	4.	16.	0.	0.	0.	0.	0.	0.	21.	7.	0.3333	0.6667	0.1065
34	0.	0.	0.	1.	3.	10.	0.	0.	0.	0.	0.	0.	14.	9.	0.6429	0.3571	0.0710
35	0.	0.	0.	0.	0.	5.	0.	0.	0.	0.	0.	0.	5.	5.	1.0000	0.0	0.0254
TOT	166.	0.	0.	760.	449.	231.	0.	0.	0.	0.	0.	0.	1440.	166.	0.1153	0.8847	8.6722
AVERAGE YOS			0.50	19.68	23.78	28.86	0.0	0.0	0.0	0.0	0.0	0.0	22.43				
PRODUCTIVITY			0.	760.	449.	231.	0.	0.	0.	0.	0.	0.	1440.				

UNITED STATES COAST GUARD -- WARRANT OFFICER BASELINE FORCE

FILENAME= CBW01CAT BASELINE DATE= 12/16/83 TIME= 15:02:48

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	1.
15	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	1.
16	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	1.
17	0.	1.	0.	1.	0.	0.	0.	0.	1.	0.	0.	0.	3.
18	0.	1.	0.	1.	0.	0.	0.	0.	1.	0.	0.	0.	3.
19	0.	2.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	3.
20	0.	6.	1.	0.	2.	0.	0.	0.	0.	0.	0.	0.	9.
21	0.	8.	0.	1.	2.	0.	0.	0.	0.	0.	0.	0.	11.
22	0.	0.	0.	0.	33.	0.	0.	0.	0.	0.	0.	0.	33.
23	0.	0.	0.	0.	18.	0.	0.	0.	0.	0.	0.	0.	18.
24	0.	0.	0.	0.	13.	0.	0.	0.	0.	0.	0.	0.	13.
25	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	3.
26	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	0.	4.
27	0.	0.	0.	0.	6.	0.	0.	0.	0.	0.	0.	0.	6.
28	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	0.	4.
29	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.
30	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	2.
31	0.	0.	0.	0.	19.	0.	0.	0.	0.	0.	0.	0.	19.
32	0.	0.	0.	0.	10.	0.	0.	0.	0.	0.	0.	0.	10.
33	0.	0.	0.	0.	7.	0.	0.	0.	0.	0.	0.	0.	7.
34	0.	0.	0.	0.	9.	0.	0.	0.	0.	0.	0.	0.	9.
35	0.	0.	0.	0.	5.	0.	0.	0.	0.	0.	0.	0.	5.
	0.	18.	1.	3.	138.	0.	0.	0.	6.	0.	0.	0.	166.
RETIRED POPULATION				115.	4290.	0.	0.						4405.
					I----(	4290.	)----I						

UNITED STATES COAST GUARD -- WARRANT OFFICER BASELINE FORCE

FILENAME= CBWOTCAT BASELINE DATE= 12/16/83 TIME= 15:02:53

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	760.	449.	231.	0.	0.	0.	0.	0.	0.	1440.
****LOSSES****											
PROM-OUT	0.	67.	43.	0.	0.	0.	0.	0.	0.	0.	110.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	18.	0.	0.	0.	0.	0.	0.	0.	0.	18.
LOSS:DEATH	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.
LOSS:RET-DIS	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	3.
LOSS:RET-FC	0.	75.	20.	43.	0.	0.	0.	0.	0.	0.	138.
LOSS:RET-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-FC	0.	6.	0.	0.	0.	0.	0.	0.	0.	0.	6.
LOSS:OTH-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL LOSSES	0.	166.	67.	43.	0.	0.	0.	0.	0.	0.	276.
****GAINS****											
GAINS TO	0.	166.	0.	0.	0.	0.	0.	0.	0.	0.	166.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	67.	43.	0.	0.	0.	0.	0.	0.	110.
TOTAL GAINS	0.	166.	67.	43.	0.	0.	0.	0.	0.	0.	276.
END STRENGTH	0.	760.	449.	231.	0.	0.	0.	0.	0.	0.	1440.

ARMY BASELINE ENLISTED --9 CATEGORIES

FILENAME= ABE09CAT BASELINE DATE= 12/16/83 TIME= 14:58:23

TOTAL FORCE DISPLAY

YOS	G:TO	G:CTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	124342.	0.	0.	0.	123420.	921.	0.	0.	0.	0.	0.	0.	124342.	16424.	0.1321	0.8679	1.0000
2	327.	0.	0.	0.	56082.	52162.	0.	0.	0.	0.	0.	0.	108244.	15123.	0.1397	0.8603	0.8679
3	776.	0.	0.	0.	20293.	70755.	2849.	0.	0.	0.	0.	0.	93898.	38521.	0.4102	0.5898	0.7467
4	136.	0.	0.	0.	0.	43073.	12439.	0.	0.	0.	0.	0.	55513.	19567.	0.3525	0.6475	0.4403
5	144.	0.	0.	0.	0.	17235.	18854.	0.	0.	0.	0.	0.	36089.	3850.	0.1067	0.8933	0.2851
6	10.	0.	0.	0.	0.	9729.	21869.	652.	0.	0.	0.	0.	32249.	4611.	0.1430	0.8570	0.2547
7	12.	0.	0.	0.	0.	4390.	19458.	3785.	17.	0.	0.	0.	27650.	3329.	0.1204	0.8796	0.2183
8	23.	0.	0.	0.	0.	1644.	14774.	7884.	43.	0.	0.	0.	24345.	3133.	0.1287	0.8713	0.1920
9	22.	0.	0.	0.	0.	1068.	9632.	10459.	66.	8.	0.	0.	21233.	2432.	0.1146	0.8854	0.1673
10	20.	0.	0.	0.	0.	662.	6510.	11156.	474.	19.	0.	0.	18821.	2164.	0.1150	0.8850	0.1481
11	0.	0.	0.	0.	0.	0.	4829.	10685.	1098.	44.	1.	0.	16657.	1338.	0.0803	0.9197	0.1311
12	1.	0.	0.	0.	0.	0.	4108.	9118.	2019.	74.	1.	0.	15320.	829.	0.0541	0.9459	0.1206
13	4.	0.	0.	0.	0.	0.	3587.	7142.	3660.	103.	4.	0.	14495.	2152.	0.1485	0.8515	0.1141
14	2.	0.	0.	0.	0.	0.	1346.	5467.	5388.	136.	8.	0.	12345.	976.	0.0791	0.9209	0.0971
15	3.	0.	0.	0.	0.	0.	628.	4207.	6320.	204.	13.	0.	11372.	570.	0.0501	0.9499	0.0894
16	1.	0.	0.	0.	0.	0.	368.	3213.	6757.	444.	21.	0.	10803.	231.	0.0214	0.9786	0.0850
17	4.	0.	0.	0.	0.	0.	330.	2656.	6781.	780.	29.	0.	10576.	184.	0.0174	0.9826	0.0831
18	0.	0.	0.	0.	0.	0.	293.	2468.	6344.	1251.	36.	0.	10393.	244.	0.0235	0.9765	0.0817
19	0.	0.	0.	0.	0.	0.	270.	2379.	5667.	1789.	43.	0.	10148.	224.	0.0221	0.9779	0.0798
20	0.	0.	0.	0.	0.	0.	264.	2283.	4740.	2587.	50.	0.	9925.	5291.	0.5331	0.4669	0.0780
21	0.	0.	0.	0.	0.	0.	0.	714.	1542.	2258.	120.	0.	4633.	1731.	0.3736	0.6264	0.0364
22	0.	0.	0.	0.	0.	0.	0.	182.	628.	1877.	216.	0.	2903.	841.	0.2897	0.7103	0.0228
23	0.	0.	0.	0.	0.	0.	0.	59.	211.	1274.	518.	0.	2062.	490.	0.2376	0.7624	0.0162
24	0.	0.	0.	0.	0.	0.	0.	0.	97.	903.	572.	0.	1572.	368.	0.2341	0.7659	0.0124
25	0.	0.	0.	0.	0.	0.	0.	0.	46.	591.	567.	0.	1204.	187.	0.1553	0.8447	0.0095
26	0.	0.	0.	0.	0.	0.	0.	0.	25.	472.	520.	0.	1017.	228.	0.2242	0.7758	0.0080
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	368.	421.	0.	789.	228.	0.2890	0.7110	0.0062
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	228.	333.	0.	561.	124.	0.2210	0.7790	0.0044
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	151.	286.	0.	437.	35.	0.0801	0.9199	0.0034
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	95.	307.	0.	402.	402.	1.0000	-0.0000	0.0032
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	-0.0000
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	-0.0000
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	-0.0000
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	-0.0000
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	-0.0000
TOT	125827.	0.	0.	0.	199796.	201640.	122408.	84511.	51924.	15655.	4065.	0.	679995.	125827.	0.1850	0.8150	5.4042
AVERAGE YOS			0.0	0.0	0.98	2.94	6.81	11.46	15.97	20.38	24.76	0.0	5.65				
PRODUCTIVITY			0.	0.	24167.	115451.	117873.	84511.	51924.	15655.	4065.	0.	413646.				

ARMY BASELINE ENLISTED --9 CATEGORIES

FILENAME= ABE09CAT BASELINE DATE= 12/16/83 TIME= 14:58:23

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	23.	70.	85.	0.	0.	0.	387.	1363.	485.	14011.	0.	16424.
2	0.	97.	304.	232.	0.	0.	0.	96.	1438.	2720.	10235.	0.	15123.
3	0.	47.	223.	403.	0.	0.	0.	20.	31341.	1958.	4535.	0.	38521.
4	0.	36.	45.	112.	0.	0.	0.	4.	17097.	583.	1691.	0.	19567.
5	0.	49.	30.	43.	0.	0.	0.	1.	2659.	186.	882.	0.	3850.
6	0.	65.	60.	97.	0.	0.	0.	4.	1608.	269.	2508.	0.	4611.
7	0.	87.	30.	44.	0.	0.	0.	0.	53.	117.	2997.	0.	3329.
8	0.	97.	43.	97.	0.	0.	0.	5.	60.	146.	2685.	0.	3133.
9	0.	90.	31.	65.	0.	0.	0.	0.	54.	122.	2071.	0.	2432.
10	0.	140.	30.	53.	0.	0.	0.	0.	666.	54.	1221.	0.	2164.
11	0.	99.	39.	80.	0.	0.	0.	0.	24.	52.	1044.	0.	1338.
12	0.	71.	22.	31.	0.	0.	0.	0.	25.	36.	644.	0.	829.
13	0.	74.	50.	200.	0.	0.	0.	0.	44.	64.	1720.	0.	2152.
14	0.	91.	30.	111.	0.	0.	0.	0.	9.	24.	711.	0.	976.
15	0.	40.	13.	93.	0.	0.	0.	0.	23.	19.	382.	0.	570.
16	0.	38.	8.	48.	0.	0.	0.	0.	5.	3.	129.	0.	231.
17	0.	19.	23.	34.	0.	0.	0.	0.	1.	0.	107.	0.	184.
18	0.	9.	56.	46.	0.	0.	0.	0.	18.	0.	115.	0.	244.
19	0.	4.	21.	83.	0.	0.	0.	0.	1.	0.	115.	0.	224.
20	0.	0.	7.	148.	5136.	0.	0.	0.	0.	0.	0.	0.	5291.
21	0.	0.	2.	56.	1673.	0.	0.	0.	0.	0.	0.	0.	1731.
22	0.	0.	3.	29.	809.	0.	0.	0.	0.	0.	0.	0.	841.
23	0.	0.	4.	17.	469.	0.	0.	0.	0.	0.	0.	0.	490.
24	0.	0.	4.	16.	348.	0.	0.	0.	0.	0.	0.	0.	368.
25	0.	0.	0.	8.	179.	0.	0.	0.	0.	0.	0.	0.	187.
26	0.	0.	10.	15.	203.	0.	0.	0.	0.	0.	0.	0.	228.
27	0.	0.	0.	7.	221.	0.	0.	0.	0.	0.	0.	0.	228.
28	0.	0.	1.	2.	121.	0.	0.	0.	0.	0.	0.	0.	124.
29	0.	0.	0.	0.	35.	0.	0.	0.	0.	0.	0.	0.	35.
30	0.	0.	1.	14.	387.	0.	0.	0.	0.	0.	0.	0.	402.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	1170.	1161.	2269.	9581.	0.	0.	517.	56488.	6837.	47803.	0.	125827.
RETIRED POPULATION				99214.	319688.	0.	0.						418902.
					I----(	319688.	)----I						

ARMY BASELINE ENLISTED --9 CATEGORIES

FILENAME= ABE09CAT BASELINE DATE= 12/16/83 TIME= 14:58:24

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	199796.	201640.	122408.	84511.	51924.	15655.	4065.	0.	679998.
****LOSSES****											
PROM-OUT	0.	0.	79303.	35762.	18670.	10261.	4840.	1026.	0.	0.	149863.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	85.	89.	186.	466.	342.	2.	0.	0.	1170.
LOSS:DEATH	0.	0.	181.	467.	154.	179.	140.	31.	9.	0.	1161.
LOSS:RET-DIS	0.	0.	314.	563.	301.	430.	468.	158.	35.	0.	2269.
LOSS:RET-FC	0.	0.	0.	0.	261.	1532.	3275.	3532.	982.	0.	9581.
LOSS:RET-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	429.	82.	2.	5.	0.	0.	0.	0.	517.
LOSS:OTH-FC	0.	0.	21590.	28125.	6611.	121.	41.	0.	0.	0.	56488.
LOSS:OTH-VOL	0.	0.	1275.	4272.	905.	311.	74.	0.	0.	0.	6837.
LOSS:OTH-INV	0.	0.	21075.	11122.	9050.	5381.	1083.	92.	0.	0.	47803.
TOTAL LOSSES	0.	0.	124251.	80482.	36141.	18686.	10263.	4841.	1026.	0.	275689.
****GAINS****											
GAINS TO	0.	0.	124251.	1179.	379.	16.	1.	0.	0.	0.	125827.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	79303.	35762.	18670.	10261.	4840.	1026.	0.	149863.
TOTAL GAINS	0.	0.	124251.	80482.	36141.	18686.	10262.	4840.	1026.	0.	275689.
END STRENGTH	0.	0.	199796.	201640.	122408.	84510.	51924.	15654.	4065.	0.	679998.

NAVY ENLISTED BASELINE FORCE

FILENAME= NBE09CAT BASELINE DATE= 12/16/83 TIME= 14:58:41

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	70048.	0.	0.	0.	70048.	0.	0.	0.	0.	0.	0.	0.	70048.	7449.	0.1063	0.8937	1.0000
2	0.	0.	0.	0.	50577.	12022.	0.	0.	0.	0.	0.	0.	62599.	5704.	0.0911	0.9089	0.8937
3	0.	0.	0.	0.	28600.	25709.	2587.	0.	0.	0.	0.	0.	56896.	8087.	0.1421	0.8579	0.8122
4	4.	0.	0.	0.	8014.	32990.	7809.	0.	0.	0.	0.	0.	48813.	18796.	0.3851	0.6149	0.6968
5	9.	0.	0.	0.	0.	17054.	12971.	0.	0.	0.	0.	0.	30026.	6110.	0.2035	0.7965	0.4285
6	39.	0.	0.	0.	0.	8624.	13452.	1879.	0.	0.	0.	0.	23955.	3627.	0.1514	0.8486	0.3413
7	59.	0.	0.	0.	0.	4148.	10975.	5263.	0.	0.	0.	0.	20386.	2280.	0.1118	0.8882	0.2896
8	26.	0.	0.	0.	0.	1544.	10799.	5789.	0.	0.	0.	0.	18133.	2262.	0.1248	0.8752	0.2572
9	20.	0.	0.	0.	0.	430.	9118.	6033.	310.	0.	0.	0.	15890.	1538.	0.0968	0.9032	0.2251
10	20.	0	0.	0.	0.	0.	7982.	5462.	929.	0.	0.	0.	14373.	1595.	0.1110	0.8890	0.2033
11	22.	0.	0.	0.	0.	0.	6131.	4831.	1838.	0.	0.	0.	12800.	920.	0.0719	0.9281	0.1808
12	27.	0.	0.	0.	0.	0.	4672.	5211.	2010.	14.	0.	0.	11907.	792.	0.0665	0.9335	0.1678
13	32.	0.	0.	0.	0.	0.	3272.	5592.	2228.	54.	0.	0.	11147.	407.	0.0365	0.9635	0.1566
14	33.	0.	0.	0.	0.	0.	2205.	6026.	2428.	114.	0.	0.	10773.	352.	0.0327	0.9673	0.1509
15	28.	0.	0.	0.	0.	0.	1315.	6227.	2716.	189.	2.	0.	10449.	308.	0.0295	0.9705	0.1460
16	19.	0.	0.	0.	0.	0.	698.	6078.	3097.	278.	9.	0.	10160.	299.	0.0294	0.9706	0.1417
17	10.	0.	0.	0.	0.	0.	320.	5596.	3399.	528.	28.	0.	9871.	206.	0.0209	0.9791	0.1375
18	4.	0.	0.	0.	0.	0.	133.	4926.	3718.	826.	66.	0.	9669.	276.	0.0286	0.9714	0.1346
19	4.	0.	0.	0.	0.	0.	0.	4170.	3943.	1141.	143.	0.	9397.	1739.	0.1851	0.8149	0.1308
20	0.	0.	0.	0.	0.	0.	0.	2684.	3428.	1315.	230.	0.	7658.	3532.	0.4613	0.5387	0.1066
21	0.	0.	0.	0.	0.	0.	0.	807.	1896.	1100.	322.	0.	4125.	1350.	0.3274	0.6726	0.0574
22	0.	0.	0.	0.	0.	0.	0.	339.	1163.	932.	341.	0.	2775.	846.	0.3051	0.6949	0.0386
23	0.	0.	0.	0.	0.	0.	0.	153.	699.	744.	332.	0.	1928.	493.	0.2555	0.7445	0.0268
24	0.	0.	0.	0.	0.	0.	0.	70.	417.	600.	349.	0.	1436.	317.	0.2206	0.7794	0.0200
25	0.	0.	0.	0.	0.	0.	0.	34.	247.	464.	374.	0.	1119.	198.	0.1768	0.8232	0.0156
26	0.	0.	0.	0.	0.	0.	0.	15.	145.	345.	416.	0.	921.	221.	0.2397	0.7603	0.0128
27	0.	0.	0.	0.	0.	0.	0.	5.	69.	220.	406.	0.	700.	149.	0.2125	0.7875	0.0097
28	0.	0.	0.	0.	0.	0.	0.	1.	32.	128.	391.	0.	551.	70.	0.1268	0.8732	0.0077
29	0.	0.	0.	0.	0.	0.	0.	0.	18.	75.	389.	0.	482.	104.	0.2157	0.7843	0.0067
30	0.	0.	0.	0.	0.	0.	0.	0.	7.	38.	333.	0.	378.	220.	0.5821	0.4179	0.0053
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	12.	146.	0.	158.	92.	0.5822	0.4178	0.0022
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	60.	0.	66.	36.	0.5453	0.4547	0.0009
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	28.	0.	30.	3.	0.1001	0.8999	0.0004
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	27.	0.	27.	6.	0.2222	0.7778	0.0004
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	21.	0.	21.	21.	1.0000	0.0000	0.0003
TOT	70404.	0.	0.	0.	157238.	102521.	94439.	77192.	34739.	9124.	4412.	0.	479662.	70404.	0.1468	0.8532	6.8130
AVERAGE YOS			0.0	0.0	1.34	3.55	7.39	12.64	16.28	20.40	24.83	0.0	6.48				
PRODUCTIVITY			0.	0.	32955.	72403.	91193.	77192.	34739.	9124.	4412.	0.	322016.				

NAVY ENLISTED BASELINE FORCE

FILENAME= NBE09CAT BASELINE DATE= 12/16/83 TIME= 14:58:42

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	548.	49.	0.	0.	0.	0.	0.	0.	7.	6845.	0.	7449.
2	0.	488.	59.	33.	0.	0.	0.	0.	0.	7.	5117.	0.	5704.
3	0.	324.	31.	67.	0.	0.	0.	0.	3702.	6.	3957.	0.	8087.
4	0.	202.	89.	43.	0.	0.	0.	0.	14181.	5.	4276.	0.	18796.
5	0.	80.	28.	46.	0.	0.	0.	0.	4648.	3.	1306.	0.	6110.
6	0.	69.	22.	51.	0.	0.	0.	0.	2831.	2.	652.	0.	3627.
7	0.	45.	17.	48.	0.	0.	0.	0.	1782.	2.	386.	0.	2280.
8	0.	41.	15.	32.	0.	0.	0.	0.	1872.	1.	301.	0.	2262.
9	0.	32.	13.	22.	0.	0.	0.	0.	1002.	1.	469.	0.	1538.
10	0.	34.	11.	28.	0.	0.	0.	0.	1148.	1.	373.	0.	1595.
11	0.	36.	9.	41.	0.	0.	0.	0.	579.	6.	249.	0.	920.
12	0.	25.	10.	32.	0.	0.	0.	0.	565.	1.	160.	0.	792.
13	0.	63.	10.	6.	0.	0.	0.	0.	168.	1.	158.	0.	407.
14	0.	70.	7.	14.	0.	0.	0.	0.	111.	1.	149.	0.	352.
15	0.	65.	7.	16.	0.	0.	0.	0.	68.	1.	151.	0.	308.
16	0.	57.	8.	20.	0.	0.	0.	0.	104.	1.	109.	0.	299.
17	0.	53.	8.	3.	0.	0.	0.	0.	54.	2.	86.	0.	206.
18	0.	73.	7.	13.	2.	0.	0.	0.	91.	1.	90.	0.	276.
19	0.	71.	6.	11.	1473.	0.	0.	0.	110.	1.	68.	0.	1739.
20	0.	52.	5.	89.	3161.	0.	0.	0.	103.	0.	122.	0.	3532.
21	0.	29.	1.	345.	918.	0.	0.	0.	0.	0.	57.	0.	1350.
22	0.	19.	1.	40.	753.	0.	0.	0.	0.	0.	34.	0.	846.
23	0.	11.	0.	31.	429.	0.	0.	0.	0.	0.	21.	0.	493.
24	0.	4.	0.	17.	282.	0.	0.	0.	0.	0.	14.	0.	317.
25	0.	1.	0.	7.	180.	0.	0.	0.	0.	0.	10.	0.	198.
26	0.	0.	0.	5.	205.	0.	0.	0.	0.	0.	11.	0.	221.
27	0.	0.	0.	7.	130.	0.	0.	0.	0.	0.	12.	0.	149.
28	0.	0.	0.	5.	58.	0.	0.	0.	0.	0.	7.	0.	70.
29	0.	0.	0.	4.	98.	0.	0.	0.	0.	0.	2.	0.	104.
30	0.	0.	0.	4.	209.	0.	0.	0.	0.	1.	6.	0.	220.
31	0.	0.	0.	17.	75.	0.	0.	0.	0.	0.	0.	0.	92.
32	0.	0.	0.	0.	36.	0.	0.	0.	0.	0.	0.	0.	36.
33	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	3.
34	0.	0.	0.	0.	5.	0.	0.	0.	0.	1.	0.	0.	6.
35	0.	0.	0.	0.	21.	0.	0.	0.	0.	0.	0.	0.	21.
	0.	2491.	412.	1096.	8038.	0.	0.	0.	33120.	51.	25197.	0.	70404.
RETIRED POPULATION				42854.	267791.	0.	0.						310645.
					I----(	267791.	)----I						

NAVY ENLISTED BASELINE FORCE

FILENAME= NBE09CAT BASELINE DATE= 12/16/83 TIME= 14:58:42

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STR	0.	0.	157238.	102521.	94439.	77192.	34739.	9124.	4412.	0.	479665.
****LOSSES****											
PROM-OUT	0.	0.	44969.	24234.	12854.	6900.	2754.	1054.	0.	0.	92765.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	1228.	306.	232.	191.	470.	64.	0.	0.	2491.
LOSS:DEATH	0.	0.	148.	104.	75.	62.	24.	0.	0.	0.	412.
LOSS:RET-DIS	0.	0.	77.	146.	175.	365.	227.	64.	42.	0.	1096.
LOSS:RET-FC	0.	0.	0.	0.	0.	2674.	2957.	1433.	974.	0.	8038.
LOSS:RET-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-FC	0.	0.	5046.	17397.	9220.	1330.	103.	23.	1.	0.	33120.
LOSS:OTH-VOL	0.	0.	16.	11.	10.	4.	7.	3.	1.	0.	51.
LOSS:OTH-INV	0.	0.	18564.	2772.	1709.	1645.	358.	113.	35.	0.	25197.
TOTAL LOSSES	0.	0.	70048.	44969.	24274.	13170.	6900.	2754.	1054.	0.	163169.
****GAINS****											
GAINS TO	0.	0.	70048.	0.	40.	316.	0.	0.	0.	0.	70404.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	44969.	24234.	12854.	6900.	2754.	1054.	0.	92765.
TOTAL GAINS	0.	0.	70048.	44969.	24274.	13170.	6900.	2754.	1054.	0.	163169.
END STRENGTH	0.	0.	157238.	102521.	94439.	77192.	34739.	9124.	4412.	0.	479665.

USMC ENLISTED BASELINE FORCE (00 - 09 CAT)

FILENAME= MBE09CAT BASELINE DATE= 12/16/83 TIME= 14:59:22

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	26180.	0.	0.	0.	26180.	0.	0.	0.	0.	0.	0.	0.	26180.	303.	0.0116	0.9884	1.0000
2	0.	0.	0.	0.	22655.	2927.	0.	0.	0.	0.	0.	0.	25582.	1112.	0.0435	0.9565	0.9884
3	0.	0.	0.	0.	15341.	8957.	0.	0.	0.	0.	0.	0.	24298.	2572.	0.1059	0.8941	0.9455
4	0.	0.	0.	0.	10944.	9688.	801.	0.	0.	0.	0.	0.	21433.	2995.	0.1397	0.8603	0.8454
5	0.	0.	0.	0.	8059.	5894.	4289.	0.	0.	0.	0.	0.	18242.	4947.	0.2712	0.7288	0.7272
6	0.	0.	0.	0.	3053.	2700.	6154.	0.	0.	0.	0.	0.	11907.	1280.	0.1075	0.8925	0.5300
7	0.	0.	0.	0.	2504.	1207.	6916.	0.	0.	0.	0.	0.	10627.	2720.	0.2559	0.7441	0.4731
8	0.	0.	0.	0.	1786.	558.	3864.	1699.	0.	0.	0.	0.	7907.	3296.	0.4168	0.5832	0.3520
9	0.	0.	0.	0.	0.	283.	1161.	3168.	0.	0.	0.	0.	4611.	972.	0.2108	0.7892	0.2053
10	0.	0.	0.	0.	0.	0.	271.	3368.	0.	0.	0.	0.	3639.	513.	0.1409	0.8591	0.1620
11	0.	0.	0.	0.	0.	0.	67.	3059.	0.	0.	0.	0.	3126.	741.	0.2370	0.7630	0.1392
12	0.	0.	0.	0.	0.	0.	0.	1932.	454.	0.	0.	0.	2386.	418.	0.1752	0.8248	0.1062
13	0.	0.	0.	0.	0.	0.	0.	921.	1047.	0.	0.	0.	1968.	220.	0.1118	0.8882	0.0876
14	0.	38.	0.	0.	0.	0.	0.	285.	1501.	0.	0.	0.	1786.	148.	0.0829	0.9171	0.0778
15	0.	55.	0.	0.	0.	0.	0.	49.	1602.	0.	0.	0.	1651.	185.	0.1121	0.8879	0.0714
16	0.	60.	0.	0.	0.	0.	0.	13.	1461.	1.	0.	0.	1475.	151.	0.1024	0.8976	0.0634
17	0.	0.	0.	0.	0.	0.	0.	2.	1141.	124.	0.	0.	1267.	221.	0.1744	0.8256	0.0569
18	0.	0.	0.	0.	0.	0.	0.	0.	744.	302.	0.	0.	1046.	215.	0.2056	0.7944	0.0469
19	0.	31.	0.	0.	0.	0.	0.	0.	388.	474.	0.	0.	862.	151.	0.1752	0.8248	0.0373
20	0.	62.	0.	0.	0.	0.	0.	0.	108.	629.	0.	0.	737.	91.	0.1235	0.8765	0.0308
21	0.	83.	0.	0.	0.	0.	0.	0.	15.	640.	11.	0.	666.	163.	0.2448	0.7552	0.0270
22	0.	0.	0.	0.	0.	0.	0.	0.	0.	407.	35.	0.	442.	118.	0.2670	0.7330	0.0204
23	0.	0.	0.	0.	0.	0.	0.	0.	0.	252.	72.	0.	324.	68.	0.2099	0.7901	0.0149
24	0.	0.	0.	0.	0.	0.	0.	0.	0.	132.	124.	0.	256.	48.	0.1875	0.8125	0.0118
25	0.	0.	0.	0.	0.	0.	0.	0.	0.	60.	148.	0.	208.	37.	0.1779	0.8221	0.0096
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	18.	153.	0.	171.	13.	0.0760	0.9240	0.0079
27	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	155.	0.	158.	35.	0.2215	0.7785	0.0073
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	123.	0.	123.	13.	0.1057	0.8943	0.0057
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	110.	0.	110.	15.	0.1364	0.8636	0.0051
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	95.	0.	95.	12.	0.1263	0.8737	0.0044
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	83.	0.	83.	47.	0.5663	0.4337	0.0038
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	36.	0.	36.	22.	0.6111	0.3889	0.0017
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	14.	0.	14.	4.	0.2857	0.7143	0.0006
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	0.	10.	9.	0.9000	0.1000	0.0005
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.	1.	1.0000	0.0	0.0000
TOT	26180.	329.	0.	0.	90522.	32214.	23523.	14496.	8460.	3041.	1170.	0.	173424.	23855.	0.1376	0.8624	7.2699
AVERAGE YOS			0.0	0.0	2.28	3.62	6.08	9.82	14.88	20.06	26.46	0.0	4.76				
PRODUCTIVITY			0.	0.	36944.	23118.	23323.	14496.	8460.	3041.	1170.	0.	110551.				

USMC ENLISTED BASELINE FORCE (00 - 09 CAT)

FILENAME= MBE09CAT BASELINE DATE= 12/16/83 TIME= 14:59:23

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	296.	0.	5.	5.	0.	0.	0.	62.	184.	0.	47.	0.	303.
2	171.	2.	19.	17.	0.	0.	0.	178.	804.	0.	93.	0.	1112.
3	293.	52.	43.	56.	0.	0.	0.	254.	1991.	0.	176.	0.	2572.
4	197.	18.	15.	19.	0.	0.	0.	44.	2844.	0.	56.	0.	2995.
5	1388.	5.	6.	9.	1.	0.	0.	16.	4874.	0.	36.	0.	4947.
6	0.	17.	21.	20.	1.	0.	0.	29.	1157.	0.	36.	0.	1280.
7	0.	96.	21.	19.	0.	0.	0.	43.	2487.	0.	52.	0.	2720.
8	0.	125.	14.	10.	0.	0.	0.	12.	3110.	0.	25.	0.	3296.
9	0.	148.	5.	18.	0.	0.	0.	2.	784.	0.	15.	0.	972.
10	0.	126.	7.	11.	0.	0.	0.	8.	353.	0.	7.	0.	513.
11	0.	243.	12.	20.	0.	0.	0.	5.	435.	0.	26.	0.	741.
12	0.	118.	1.	17.	0.	0.	0.	0.	277.	0.	5.	0.	418.
13	0.	58.	3.	1.	0.	0.	0.	3.	141.	0.	13.	0.	220.
14	42.	73.	1.	14.	0.	0.	0.	3.	57.	0.	0.	0.	148.
15	51.	89.	41.	6.	0.	0.	0.	0.	45.	0.	5.	0.	185.
16	57.	0.	3.	25.	2.	0.	0.	0.	109.	0.	11.	0.	151.
17	0.	4.	20.	23.	0.	0.	0.	0.	174.	0.	0.	0.	221.
18	0.	0.	5.	31.	0.	0.	0.	15.	111.	0.	54.	0.	215.
19	36.	0.	0.	0.	10.	0.	0.	0.	92.	0.	49.	0.	151.
20	63.	0.	4.	4.	77.	0.	0.	0.	3.	0.	4.	0.	91.
21	61.	0.	0.	4.	153.	0.	0.	0.	5.	0.	1.	0.	163.
22	0.	0.	0.	4.	111.	0.	0.	0.	3.	0.	0.	0.	118.
23	0.	0.	0.	2.	64.	0.	0.	0.	2.	0.	0.	0.	68.
24	0.	0.	1.	4.	40.	0.	0.	0.	3.	0.	0.	0.	48.
25	0.	0.	1.	3.	32.	0.	0.	0.	1.	0.	0.	0.	37.
26	0.	0.	0.	1.	12.	0.	0.	0.	0.	0.	0.	0.	13.
27	0.	0.	0.	1.	34.	0.	0.	0.	0.	0.	0.	0.	35.
28	0.	0.	1.	0.	12.	0.	0.	0.	0.	0.	0.	0.	13.
29	0.	0.	1.	1.	13.	0.	0.	0.	0.	0.	0.	0.	15.
30	0.	0.	1.	0.	11.	0.	0.	0.	1.	0.	0.	0.	12.
31	0.	0.	0.	1.	45.	0.	0.	0.	1.	0.	0.	0.	47.
32	0.	0.	0.	1.	21.	0.	0.	0.	0.	0.	0.	0.	22.
33	0.	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	0.	4.
34	0.	0.	0.	0.	9.	0.	0.	0.	0.	0.	0.	0.	9.
35	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.
	2654.	1173.	249.	348.	650.	0.	0.	675.	20048.	0.	712.	0.	23855.
RETIRED POPULATION				15078.	20408.	0.	0.						35486.
					(----(	20408.	)----(						

USMC ENLISTED BASELINE FORCE (00 - 09 CAT)

FILENAME= MBE09CAT BASELINE DATE= 12/16/83 TIME= 14:59:26

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	90522.	32214.	23523.	14496.	8460.	3041.	1170.	0.	173426.
****LOSSES****											
PROM-OUT	0.	0.	11921.	9932.	4393.	1811.	858.	235.	0.	0.	29150.
LOSS:XFR-OTH	0.	0.	2344.	0.	0.	0.	150.	160.	0.	0.	2654.
LOSS:XFR-OFF	0.	0.	3.	52.	155.	744.	219.	0.	0.	0.	1173.
LOSS:DEATH	0.	0.	79.	16.	44.	33.	66.	8.	4.	0.	249.
LOSS:RET-DIS	0.	0.	80.	29.	46.	72.	91.	19.	11.	0.	348.
LOSS:RET-FC	0.	0.	0.	0.	2.	0.	9.	422.	218.	0.	650.
LOSS:RET-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	397.	136.	107.	17.	3.	16.	0.	0.	675.
LOSS:OTH-FC	0.	0.	10990.	1699.	5081.	1661.	488.	125.	3.	0.	20048.
LOSS:OTH-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-INV	0.	0.	365.	56.	104.	56.	80.	50.	0.	0.	712.
TOTAL LOSSES	0.	0.	26180.	11921.	9932.	4393.	1964.	1034.	235.	0.	55660.
****GAINS****											
GAINS TO	0.	0.	26180.	0.	0.	0.	0.	0.	0.	0.	26180.
GAINS OTHER	0.	0.	0.	0.	0.	0.	153.	176.	0.	0.	329.
PROM-IN	0.	0.	0.	11921.	9932.	4393.	1811.	858.	235.	0.	29150.
TOTAL GAINS	0.	0.	26180.	11921.	9932.	4393.	1964.	1034.	235.	0.	55660.
END STRENGTH	0.	0.	90522.	32214.	23523.	14496.	8460.	3041.	1170.	0.	173426.

USAF BASELINE ENLISTED 9 CATEGORIES (CAT 5 REVISED 27 MAY,=CURR)

FILENAME= FBE09CAT BASELINE DATE= 12/16/83 TIME= 14:59:54

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	62149.	0.	0.	0.	62149.	0.	0.	0.	0.	0.	0.	0.	62149.	6372.	0.1025	0.8975	1.0000
2	0.	0.	0.	0.	55777.	0.	0.	0.	0.	0.	0.	0.	55777.	5051.	0.0906	0.9094	0.8975
3	0.	0.	0.	0.	35809.	14916.	0.	0.	0.	0.	0.	0.	50725.	4571.	0.0901	0.9099	0.8162
4	0.	0.	0.	0.	9125.	34814.	2216.	0.	0.	0.	0.	0.	46155.	24159.	0.5234	0.4766	0.7426
5	0.	0.	0.	0.	60.	14467.	7468.	0.	0.	0.	0.	0.	21995.	1705.	0.0775	0.9225	0.3539
6	0.	0.	0.	0.	39.	9314.	10938.	0.	0.	0.	0.	0.	20290.	1640.	0.0808	0.9192	0.3265
7	0.	0.	0.	0.	23.	5603.	13025.	0.	0.	0.	0.	0.	18650.	1060.	0.0568	0.9432	0.3001
8	0.	0.	0.	0.	11.	3467.	13836.	276.	0.	0.	0.	0.	17590.	1132.	0.0643	0.9357	0.2830
9	0.	0.	0.	0.	5.	2369.	13017.	1067.	0.	0.	0.	0.	16458.	815.	0.0495	0.9505	0.2648
10	0.	0.	0.	0.	0.	1852.	11648.	2143.	0.	0.	0.	0.	15643.	811.	0.0518	0.9482	0.2517
11	0.	0.	0.	0.	0.	1611.	9861.	3360.	0.	0.	0.	0.	14832.	706.	0.0476	0.9524	0.2387
12	0.	0.	0.	0.	0.	1514.	7723.	4824.	64.	0.	0.	0.	14126.	613.	0.0434	0.9566	0.2273
13	0.	0.	0.	0.	0.	1424.	5410.	6298.	380.	0.	0.	0.	13513.	538.	0.0398	0.9602	0.2174
14	0.	0.	0.	0.	0.	1340.	3580.	6995.	1061.	0.	0.	0.	12975.	510.	0.0393	0.9607	0.2088
15	0.	0.	0.	0.	0.	1259.	2200.	6829.	2177.	0.	0.	0.	12465.	463.	0.0372	0.9628	0.2006
16	0.	0.	0.	0.	0.	1182.	1393.	6015.	3412.	0.	0.	0.	12002.	411.	0.0343	0.9657	0.1931
17	0.	0.	0.	0.	0.	1111.	807.	5081.	4488.	104.	0.	0.	11590.	422.	0.0364	0.9636	0.1865
18	0.	0.	0.	0.	0.	1044.	313.	4257.	5205.	350.	0.	0.	11168.	380.	0.0340	0.9660	0.1797
19	0.	0.	0.	0.	0.	980.	117.	3413.	5551.	728.	1.	0.	10788.	361.	0.0334	0.9666	0.1736
20	0.	0.	0.	0.	0.	920.	109.	2743.	5400.	1215.	41.	0.	10428.	3803.	0.3647	0.6353	0.1678
21	0.	0.	0.	0.	0.	0.	0.	1327.	3598.	1548.	152.	0.	6625.	1861.	0.2809	0.7191	0.1066
22	0.	0.	0.	0.	0.	0.	0.	683.	2204.	1552.	325.	0.	4764.	1039.	0.2182	0.7818	0.0767
23	0.	0.	0.	0.	0.	0.	0.	416.	1389.	1415.	504.	0.	3725.	965.	0.2592	0.7408	0.0599
24	0.	0.	0.	0.	0.	0.	0.	0.	929.	1171.	659.	0.	2759.	485.	0.1757	0.8243	0.0444
25	0.	0.	0.	0.	0.	0.	0.	0.	608.	902.	765.	0.	2275.	307.	0.1350	0.8650	0.0366
26	0.	0.	0.	0.	0.	0.	0.	0.	453.	710.	805.	0.	1968.	675.	0.3431	0.6569	0.0317
27	0.	0.	0.	0.	0.	0.	0.	0.	30.	521.	741.	0.	1293.	303.	0.2347	0.7653	0.0208
28	0.	0.	0.	0.	0.	0.	0.	0.	0.	382.	608.	0.	989.	488.	0.4932	0.5068	0.0159
29	0.	0.	0.	0.	0.	0.	0.	0.	0.	9.	492.	0.	501.	72.	0.1441	0.8559	0.0081
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	429.	0.	429.	429.	1.0000	0.0	0.0069
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.0	1.0000	0.0
TOT	62149.	0.	0.	0.	162997.	99185.	103660.	55726.	36949.	10606.	5522.	0.	474643.	62149.	0.1309	0.8691	7.6372
AVERAGE YOS			0.0	0.0	1.45	5.60	8.64	14.60	18.37	22.08	25.36	0.0	7.49				
PRODUCTIVITY			0.	0.	38830.	83024.	103106.	55726.	36949.	10606.	5522.	0.	333763.				

USAF BASELINE ENLISTED 9 CATEGORIES (CAT 5 REVISED 27 MAY,=CURR)

FILENAME= FBE09CAT BASELINE DATE= 12/16/83 TIME= 14:59:54

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	147.	62.	75.	0.	0.	0.	91.	190.	1679.	4129.	0.	6372.
2	0.	139.	49.	57.	0.	0.	0.	74.	237.	1876.	2619.	0.	5051.
3	0.	141.	47.	53.	0.	0.	0.	44.	394.	1915.	1977.	0.	4571.
4	0.	281.	37.	50.	0.	0.	0.	44.	21594.	760.	1392.	0.	24159.
5	0.	159.	18.	30.	0.	0.	0.	18.	998.	191.	292.	0.	1705.
6	0.	109.	16.	27.	0.	0.	0.	23.	1159.	150.	157.	0.	1640.
7	0.	100.	18.	18.	0.	0.	0.	17.	687.	113.	107.	0.	1060.
8	0.	98.	14.	21.	0.	0.	0.	14.	790.	109.	87.	0.	1132.
9	0.	86.	15.	15.	0.	0.	0.	14.	515.	94.	76.	0.	815.
10	0.	205.	13.	20.	0.	0.	0.	12.	420.	68.	72.	0.	811.
11	0.	135.	13.	14.	0.	0.	0.	12.	422.	59.	53.	0.	706.
12	0.	64.	12.	12.	0.	0.	0.	11.	383.	79.	53.	0.	613.
13	0.	60.	11.	12.	0.	0.	0.	14.	350.	52.	39.	0.	538.
14	0.	61.	10.	11.	0.	0.	0.	15.	345.	34.	33.	0.	510.
15	0.	45.	12.	14.	0.	0.	0.	10.	328.	25.	29.	0.	463.
16	0.	27.	15.	16.	0.	0.	0.	10.	297.	22.	25.	0.	411.
17	0.	20.	9.	12.	0.	0.	0.	9.	334.	16.	22.	0.	422.
18	0.	1.	9.	17.	0.	0.	0.	9.	310.	15.	19.	0.	380.
19	0.	0.	8.	15.	0.	0.	0.	8.	298.	13.	17.	0.	361.
20	0.	0.	11.	13.	2976.	788.	6.	0.	0.	0.	9.	0.	3803.
21	0.	0.	8.	9.	1395.	445.	5.	0.	0.	0.	0.	0.	1861.
22	0.	0.	4.	7.	759.	266.	3.	0.	0.	0.	0.	0.	1039.
23	0.	0.	4.	5.	778.	176.	3.	0.	0.	0.	0.	0.	965.
24	0.	0.	2.	4.	337.	140.	2.	0.	0.	0.	0.	0.	485.
25	0.	0.	3.	4.	211.	89.	2.	0.	0.	0.	0.	0.	307.
26	0.	0.	1.	5.	577.	90.	1.	0.	0.	0.	0.	0.	675.
27	0.	0.	3.	3.	228.	68.	1.	0.	0.	0.	0.	0.	303.
28	0.	0.	1.	3.	439.	44.	1.	0.	0.	0.	0.	0.	488.
29	0.	0.	0.	1.	69.	1.	0.	0.	0.	0.	0.	0.	72.
30	0.	0.	0.	3.	381.	45.	0.	0.	0.	0.	0.	0.	429.
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	1878.	426.	545.	8149.	2152.	24.	448.	30052.	7270.	11205.	0.	62149.
RETIRED POPULATION				24494.	264711.	70896.	779.						360880.
					I----(	336387.	)----I						

USAF BASELINE ENLISTED 9 CATEGORIES (CAT 5 REVISED 27 MAY,=CURR)

FILENAME= FBE09CAT BASELINE DATE= 12/16/83 TIME= 14:59:55

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	162997.	99185.	103660.	55726.	36949.	10606.	5522.	0.	474645.
****LOSSES****											
PROM-OUT	0.	0.	39523.	18652.	11945.	7880.	3025.	1237.	0.	0.	82263.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	346.	236.	795.	462.	40.	0.	0.	0.	1878.
LOSS:DEATH	0.	0.	156.	87.	86.	47.	33.	12.	6.	0.	426.
LOSS:RET-DIS	0.	0.	175.	109.	125.	57.	50.	15.	13.	0.	545.
LOSS:RET-FC	0.	0.	0.	909.	103.	1834.	3144.	1315.	843.	0.	8149.
LOSS:RET-VOL	0.	0.	0.	0.	6.	313.	1039.	422.	373.	0.	2152.
LOSS:RET-INV	0.	0.	0.	0.	0.	4.	10.	6.	3.	0.	24.
LOSS:OTH-DIS	0.	0.	210.	91.	87.	44.	16.	0.	0.	0.	448.
LOSS:OTH-FC	0.	0.	7495.	16432.	4472.	1144.	492.	16.	0.	0.	30052.
LOSS:OTH-VOL	0.	0.	5506.	987.	652.	109.	16.	0.	0.	0.	7270.
LOSS:OTH-INV	0.	0.	8738.	2020.	382.	50.	14.	0.	0.	0.	11205.
TOTAL LOSSES	0.	0.	62149.	39523.	18652.	11945.	7880.	3025.	1237.	0.	144412.
****GAINS****											
GAINS TO	0.	0.	62149.	0.	0.	0.	0.	0.	0.	0.	62149.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	39523.	18652.	11945.	7880.	3025.	1237.	0.	82263.
TOTAL GAINS	0.	0.	62149.	39523.	18652.	11945.	7880.	3025.	1237.	0.	144412.
END STRENGTH	0.	0.	162997.	99185.	103660.	55726.	36949.	10606.	5522.	0.	474645.

COAST GUARD BASELINE ENLISTED--1 CATEGORY

FILENAME= CBE01CAT BASELINE DATE= 12/16/83 TIME= 15:02:25

TOTAL FORCE DISPLAY

YOS	G:TO	G:OTH	GRD-1	GRD-2	GRD-3	GRD-4	GRD-5	GRD-6	GRD-7	GRD-8	GRD-9	GRD10	TOTAL	LOSSES	LOSS	RETN	CONT
1	5979.	0.	0.	0.	5979.	0.	0.	0.	0.	0.	0.	0.	5979.	1132.	0.1893	0.8107	1.0000
2	0.	0.	0.	0.	2155.	2692.	0.	0.	0.	0.	0.	0.	4847.	142.	0.0292	0.9708	0.8107
3	0.	0.	0.	0.	1072.	2216.	1419.	0.	0.	0.	0.	0.	4706.	2675.	0.5683	0.4317	0.7870
4	0.	0.	0.	0.	267.	709.	1036.	20.	0.	0.	0.	0.	2031.	453.	0.2229	0.7771	0.3397
5	0.	0.	0.	0.	126.	302.	1006.	145.	0.	0.	0.	0.	1579.	147.	0.0930	0.9070	0.2640
6	0.	0.	0.	0.	68.	216.	817.	331.	0.	0.	0.	0.	1432.	108.	0.0751	0.9249	0.2395
7	0.	0.	0.	0.	41.	164.	530.	576.	13.	0.	0.	0.	1324.	157.	0.1186	0.8814	0.2215
8	0.	0.	0.	0.	18.	107.	402.	620.	20.	0.	0.	0.	1167.	202.	0.1731	0.8269	0.1952
9	0.	0.	0.	0.	10.	41.	283.	596.	35.	0.	0.	0.	965.	115.	0.1192	0.8808	0.1614
10	0.	0.	0.	0.	5.	28.	201.	562.	54.	0.	0.	0.	850.	85.	0.1001	0.8999	0.1422
11	0.	0.	0.	0	4.	16.	138.	500.	107.	0.	0.	0.	765.	45.	0.0588	0.9412	0.1279
12	0.	0.	0.	0.	2.	10.	88.	450.	168.	2.	0.	0.	720.	13.	0.0176	0.9824	0.1204
13	0.	0.	0.	0.	1.	5.	82.	412.	203.	4.	0.	0.	707.	41.	0.0580	0.9420	0.1183
14	0.	0.	0.	0.	0.	3.	63.	353.	239.	8.	0.	0.	666.	45.	0.0674	0.9326	0.1114
15	0.	0.	0.	0.	0.	1.	56.	289.	263.	12.	0.	0.	621.	19.	0.0311	0.9689	0.1039
16	0.	0.	0.	0.	0.	0.	44.	260.	282.	16.	0.	0.	602.	38.	0.0631	0.9369	0.1007
17	0.	0.	0.	0.	0.	0.	32.	214.	297.	21.	0.	0.	564.	103.	0.1825	0.8175	0.0943
18	0.	0.	0.	0.	0.	0.	25.	130.	263.	41.	2.	0.	461.	112.	0.2430	0.7570	0.0771
19	0.	0.	0.	0.	0.	0.	19.	89.	187.	49.	5.	0.	349.	45.	0.1289	0.8711	0.0584
20	0.	0.	0.	0.	0.	0.	10.	70.	156.	52.	16.	0.	304.	34.	0.1116	0.8884	0.0509
21	0.	0.	0.	0.	0.	0.	0.	48.	105.	86.	31.	0.	270.	40.	0.1481	0.8519	0.0452
22	0.	0.	0.	0.	0.	0.	0.	28.	95.	69.	38.	0.	230.	31.	0.1352	0.8648	0.0385
23	0.	0.	0.	0.	0.	0.	0.	23.	79.	58.	39.	0.	199.	25.	0.1258	0.8742	0.0333
24	0.	0.	0.	0.	0.	0.	0.	18.	63.	51.	42.	0.	174.	31.	0.1782	0.8218	0.0291
25	0.	0.	0.	0.	0.	0.	0.	14.	53.	38.	38.	0.	143.	30.	0.2098	0.7902	0.0239
26	0.	0.	0.	0.	0.	0.	0.	9.	40.	33.	31.	0.	113.	26.	0.2300	0.7700	0.0189
27	0.	0.	0.	0.	0.	0.	0.	4.	33.	25.	25.	0.	87.	23.	0.2645	0.7355	0.0146
28	0.	0.	0.	0.	0.	0.	0.	3.	21.	21.	19.	0.	64.	20.	0.3127	0.6873	0.0107
29	0.	0.	0.	0.	0.	0.	0.	1.	15.	12.	16.	0.	44.	20.	0.4546	0.5454	0.0074
30	0.	0.	0.	0.	0.	0.	0.	0.	8.	7.	9.	0.	24.	6.	0.2499	0.7501	0.0040
31	0.	0.	0.	0.	0.	0.	0.	0.	6.	6.	6.	0.	18.	5.	0.2782	0.7218	0.0030
32	0.	0.	0.	0.	0.	0.	0.	0.	3.	5.	5.	0.	13.	3.	0.2311	0.7689	0.0022
33	0.	0.	0.	0.	0.	0.	0.	0.	1.	5.	4.	0.	10.	3.	0.3003	0.6997	0.0017
34	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	3.	0.	7.	2.	0.2856	0.7144	0.0012
35	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	2.	0.	5.	5.	1.0000	0.0	0.0008
TOT	5979.	0.	0.	0.	9748.	6509.	6252.	5764.	2813.	628.	330.	0.	32044.	5980.	0.1866	0.8134	5.3589
AVERAGE YOS			0.0	0.0	1.17	2.69	5.49	10.76	16.47	21.72	24.24	0.0	6.03				
PRODUCTIVITY			0.	0.	1550.	3205.	5283.	5759.	2813.	628.	330.	0.	19569.				

COAST GUARD BASELINE ENLISTED--1 CATEGORY

FILENAME= CBE01CAT BASELINE DATE= 12/16/83 TIME= 15:02:28

TOTAL FORCE LOSS DISPLAY

YR	XFROTH	XFROFF	DEATH	RETDIS	RET FC	RETVOL	RETINV	OTHDIS	OTH FC	OTHVOL	OTHINV	PROMOUT	TOTALS
1	0.	0.	4.	0.	0.	0.	0.	0.	1128.	0.	0.	0.	1132.
2	0.	0.	5.	2.	0.	0.	0.	0.	0.	135.	0.	0.	142.
3	0.	0.	5.	2.	0.	0.	0.	0.	1024.	1643.	0.	0.	2675.
4	0.	0.	3.	2.	0.	0.	0.	0.	448.	0.	0.	0.	453.
5	0.	0.	1.	3.	0.	0.	0.	0.	143.	0.	0.	0.	147.
6	0.	0.	1.	3.	0.	0.	0.	0.	103.	0.	0.	0.	108.
7	0.	0.	1.	2.	0.	0.	0.	0.	154.	0.	0.	0.	157.
8	0.	0.	1.	2.	0.	0.	0.	0.	199.	0.	0.	0.	202.
9	0.	0.	1.	1.	0.	0.	0.	0.	113.	0.	0.	0.	115.
10	0.	0.	1.	1.	0.	0.	0.	0.	83.	0.	0.	0.	85.
11	0.	0.	1.	2.	0.	0.	0.	0.	43.	0.	0.	0.	45.
12	0.	0.	1.	1.	0.	0.	0.	0.	11.	0.	0.	0.	13.
13	0.	0.	1.	1.	0.	0.	0.	0.	40.	0.	0.	0.	41.
14	0.	0.	1.	1.	0.	0.	0.	0.	43.	0.	0.	0.	45.
15	0.	0.	0.	1.	0.	0.	0.	0.	18.	0.	0.	0.	19.
16	0.	0.	0.	1.	0.	0.	0.	0.	36.	0.	0.	0.	38.
17	0.	0.	0.	1.	0.	0.	0.	0.	102.	0.	0.	0.	103.
18	0.	0.	0.	0.	0.	0.	0.	0.	111.	0.	0.	0.	112.
19	0.	0.	0.	0.	0.	0.	0.	0.	44.	0.	0.	0.	45.
20	0.	0.	0.	3.	31.	0.	0.	0.	0.	0.	0.	0.	34.
21	0.	0.	0.	3.	37.	0.	0.	0.	0.	0.	0.	0.	40.
22	0.	0.	0.	3.	28.	0.	0.	0.	0.	0.	0.	0.	31.
23	0.	0.	0.	3.	22.	0.	0.	0.	0.	0.	0.	0.	25.
24	0.	0.	0.	2.	29.	0.	0.	0.	0.	0.	0.	0.	31.
25	0.	0.	0.	1.	29.	0.	0.	0.	0.	0.	0.	0.	30.
26	0.	0.	0.	1.	25.	0.	0.	0.	0.	0.	0.	0.	26.
27	0.	0.	0.	2.	21.	0.	0.	0.	0.	0.	0.	0.	23.
28	0.	0.	0.	1.	20.	0.	0.	0.	0.	0.	0.	0.	20.
29	0.	0.	0.	0.	20.	0.	0.	0.	0.	0.	0.	0.	20.
30	0.	0.	0.	0.	6.	0.	0.	0.	0.	0.	0.	0.	6.
31	0.	0.	0.	0.	5.	0.	0.	0.	0.	0.	0.	0.	5.
32	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	3.
33	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	3.
34	0.	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	0.	2.
35	0.	0.	0.	0.	5.	0.	0.	0.	0.	0.	0.	0.	5.
	0.	0.	27.	46.	285.	0.	0.	0.	3844.	1777.	0.	0.	5980.
RETIRED POPULATION				1844.	8705.	0.	0.						10549.
					}----{	8705.	}----{						

COAST GUARD BASELINE ENLISTED--1 CATEGORY

FILENAME= CBE01CAT BASELINE DATE= 12/16/83 TIME= 15:02:40

FLOW RECONCILIATION CATEGORY= TOTAL FORCE

	GRADE-1	GRADE-2	GRADE-3	GRADE-4	GRADE-5	GRADE-6	GRADE-7	GRADE-8	GRADE-9	GRADE-10	TOTAL
BEGIN STRENGTH	0.	0.	9748.	6509.	6252.	5764.	2813.	628.	330.	0.	32044.
****LOSSES****											
PROM-OUT	0.	0.	3774.	1586.	662.	321.	117.	42.	0.	0.	6503.
LOSS:XFR-OTH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:XFR-OFF	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:DEATH	0.	0.	10.	6.	5.	4.	2.	0.	0.	0.	27.
LOSS:RET-DIS	0.	0.	- 0.	9.	8.	12.	11.	5.	2.	0.	46.
LOSS:RET-FC	0.	0.	0.	0.	10.	65.	99.	71.	40.	0.	285.
LOSS:RET-VOL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:RET-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-DIS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOSS:OTH-FC	0.	0.	2195.	828.	469.	259.	93.	0.	0.	0.	3844.
LOSS:OTH-VOL	0.	0.	0.	1345.	432.	0.	0.	0.	0.	0.	1777.
LOSS:OTH-INV	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL LOSSES	0.	0.	5980.	3774.	1586.	662.	321.	117.	42.	0.	12482.
****GAINS****											
GAINS TO	0.	0.	5979.	0.	0.	0.	0.	0.	0.	0.	5979.
GAINS OTHER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PROM-IN	0.	0.	0.	3774.	1586.	662.	321.	117.	42.	0.	6503.
TOTAL GAINS	0.	0.	5979.	3774.	1586.	662.	321.	117.	42.	0.	12482.
END STRENGTH	0.	0.	9747.	6509.	6252.	5764.	2813.	628.	330.	0.	32043.

APPENDIX L
SUPPORTING ANALYSIS DATA

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SUPPORTING ANALYSIS DATA

I. INTRODUCTION. This appendix contains the detailed data which were used in developing and analyzing the various retirement alternatives. Specifically, this consists of the cost data for each of the various retirement changes which were either developed by the Fifth QRMC or other commissions, additional force data tables and the material which supports the transition of the major retirement alternatives from the steady-state mode into a dynamic state.

II. COST DATA.

A. COST DATA. The cost data reflect the output from three models: two versions of the ACOL model and the more refined costs produced by the DMSM. The ACOL costs are separated into ACOL A costs (those costs developed prior to the correction of the civilian earnings stream) and ACOL B costs, which are the latest costs produced.

Attachment 3 contains the basic cost data. It consists of cost tables representing the major retirement options that were evaluated. Each cost table displays the costs by community (officer, enlisted or both), by Service (including total DoD), and cost category (gain, maintenance, force, retirement, etcetera). The index to these cost tables, displayed at Attachment 1, is also useful to understand the structure of the analysis and the relationship between the various options that were explored. Contrasted to the raw data in Attachment 3, the reports in Attachment 4 facilitate comparisons between cases and models by displaying the cost data for a specific population on the same page. The first report displays the raw cost data; the second displays the dollar differences from the terminal pay base case; and, the third displays these differences in terms of percentages. Another useful method of displaying the cost results, Attachment 2, uses the organization of Attachment 1 to display, on one page, the values for one specific statistic for a given population. For instance, Attachment 2 displays a "bottom line" measure, the percentage change in total steady-state costs, as measured from the terminal pay base case, for the total DoD officer and enlisted population.

B. COST COMPARISONS. Table L-1 displays a comparison of total system costs for the total DoD population for the three sources of cost data. Both ACOL A and DMSM are compared to ACOL B. Cost differences can arise due to : (1) differences in costing algorithms, (2) differences in retention, or (3) both. In general, the differences between ACOL A and ACOL B are due to changes in force structure since only a very small change was made to the costing methodology. Similarly, the differences between DMSM and ACOL B are due to differences in the costing algorithm as force structures are basically the same. However, when translating ACOL output to DMSM input, some differences can occur, but usually not more than plus or minus one percent.

Overall, the cost differences are relatively minor. With only two exceptions (out of 8 comparisons) the differences between ACOL A and ACOL B are uniformly negative, and are one percent or less. With no

exceptions, the differences between DMSM and ACOL B are uniformly positive, and, in only two instances, do they exceed one percent. There are slight differences in relative ranking of the retirement options by the three sources. While one would expect that, for each source, the various options would retain the same relative rank (from least costly to most costly) the data indicates this is not necessarily true. However, the differences are very slight.

Table L-B-1
Cost Comparison of ACOL A and DMSM with ACOL B
(Deltas Measured from ACOL B Figures)

Population: DoD Total
Measure: Total System Costs

		Without Reallocation				With Reallocation		
Retirement Option	Statistic	ACOL A	ACOL B	DMSM(ACOL B)	Reallocation Option	ACOL A	ACOL B	DMSM(ACOL B)
DEC 30Z	$Costs	52186	52129	53506		56686	56859	57665
(1.75Z Mult)	$Delta	+157		+1377		-173		+806
	ZDelta	+ 0		+ 3		0		+1
	Option Ran	(2)	(1)	(2)	210-60-100	(3)	(2)	(3)
3Z PEN	$Costs	54580	54979	55402		58105	58479	58575
	$Delta	-399		+ 423		-374		+ 96
	ZDelta	- 1		- 1		- 1		+ 0
	Option Ran	(4)	(4)	(4)	210-0-0	(4)	(4)	(4)
COLA 62/50Z	$Costs	53013	52971	53874		56316	56383	57020
	$Delta	+ 42		+ 903		- 67		+637
	ZDelta	+ 0		+ 2		- 0		+ 1
	Option Ran	(3)	(3)	(3)	160-40-50	(1)	(1)	(1)
COLA 62/75Z	$Costs	52275	52573	52833		56380	56887	57158
+3Z PEN	$Delta	-298		+ 260		-507		+271
	ZDelta	- 1		+ 0		- 1		+ 0
	Option Ran	(1)	(2)	(1)	200/300-0-0	(2)	(3)	(2)

REFERENCE NUMBER INDEX TO COST TABLES

CASE:	REALLOCATION PATTERN:	ACOL A: W/O:	ACOL A: WITH:	ACOL B: W/O:	ACOL B: WITH:	DMSM(B): W/O:	DMSM(B): WITH:
I. BASE CASES:							
A. TERMINAL PAY		2	-	-	-	-	-
B. HIGH 3		3	-	43	-	-	-
II. BASIC ADJUSTMENTS:							
A. DECREMENT X%:							
1. 10% (2.25% MULT)		4	-	-	-	-	-
2. 20% (2.00% MULT)	150-30-70	5	6	-	-	-	-
3. 30% (1.75% MULT)							
A. EW #1	210-0-0	7	8	-	-	-	-
B. EW #2	210-60-100	7	9	44	45	52	53
4. 40% (1.50% MULT)		10	-	-	-	-	-
5. 50% (1.25% MULT)		11	-	-	-	-	-
B. X% PENALTY PRE-30:							
1. 1%	90-0-0	12	13	-	-	-	-
2. 2%	150-0-0	14	15	-	-	-	-
3. 3%	210-0-0	16	17	46	47	54	55
4. 4%	270-0-0	18	19	-	-	-	-
5. 5%		20	-	-	-	-	-
6. 6%	390-0-0	21	22	-	-	-	-
C. X% COLA UNTIL 30 YOS:							
1. 90%		23	-	-	-	-	-
2. 75%		24	-	-	-	-	-
3. 67%		25	-	-	-	-	-
4. 50%		26	-	-	-	-	-
5. 33%		27	-	-	-	-	-
6. 0%		28	-	-	-	-	-
D. X% COLA UNTIL AGE 62:							
1. 90%		29	-	-	-	-	-
2. 75%		30	-	-	-	-	-
3. 67%		31	-	-	-	-	-
4. 50%	160-40-50	32	33	48	49	56	57
5. 33%		34	-	-	-	-	-
6. 0%		35	-	-	-	-	-
E. X% COLA FOR LIFE:							
1. 75%		36	-	-	-	-	-
2. 50%		37	-	-	-	-	-
3. 25%		38	-	-	-	-	-
4. 0%		39	-	-	-	-	-
F. X% COLA TO 62+3% PEN:							
1. 75%	200/300-0-0	40	41	50	51	58	59
2. 67%		42	-	-	-	-	-
III. SPECIAL ADJUSTMENTS:							
A. SS OFFSET (1.25%)		60	-	-	-	-	-
B. NO VESTING TIL X YOS:							
1. 22 YOS, NO SHIFT		61	-	-	-	-	-
2. 24 YOS, NO SHIFT		62	-	-	-	-	-
3. 30 YOS, NO SHIFT		63	-	-	-	-	-
4. 22 YOS, SHIFT		64	-	-	-	-	-
5. 24 YOS, SHIFT		65	-	-	-	-	-
6. 30 YOS, SHIFT		66	-	-	-	-	-
C. RMA		67	-	-	-	-	-
D. USRBA	LOAN	68	69	-	-	-	-
E. PPSSCC							
1. OSD 24B		70	-	-	-	-	-
2. USAF 1.9%		71	-	-	-	-	-

NOTE: COLUMNS HEADED "W/O" DON'T INCLUDE REALLOCATION; COLUMNS HEADED "WITH" DO.

% DELTAS FROM TERMINAL PAY BASE CASE (TOTAL COST)

CASE:	REALLOCATION PATTERN:		ACOL A:		ACOL B:		DMSM(B):	
			W/O:	WITH:	W/O:	WITH:	W/O:	WITH:
I. BASE CASES:								
A. TERMINAL PAY		59624	-	-	-	-	-	
B. HIGH 3		-2	-	-2	-	-	-	
II. BASIC ADJUSTMENTS:								
A. DECREMENT X%:								
1. 10% (2.25% MULT)		-5	-	-	-	-	-	
2. 20% (2.00% MULT)	150-30-70	-9	-4	-	-	-	-	
3. 30% (1.75% MULT)								
A. EW #1	210-0-0	-12	-7	-	-	-	-	
B. EW #2	210-60-100	-12	-5	-13	-5	-10	-3	
4. 40% (1.50% MULT)		-15	-	-	-	-	-	
5. 50% (1.25% MULT)		-18	-	-	-	-	-	
B. X% PENALTY PRE-30:								
1. 1%	90-0-0	-4	-1	-	-	-	-	
2. 2%	150-0-0	-7	-2	-	-	-	-	
3. 3%	210-0-0	-8	-3	-8	-2	-7	-2	
4. 4%	270-0-0	-10	-4	-	-	-	-	
5. 5%		-11	-	-	-	-	-	
6. 6%	390-0-0	-11	-1	-	-	-	-	
C. X% COLA UNTIL 30 YOS:								
1. 90%		-3	-	-	-	-	-	
2. 75%		-4	-	-	-	-	-	
3. 67%		-5	-	-	-	-	-	
4. 50%		-7	-	-	-	-	-	
5. 33%		-9	-	-	-	-	-	
6. 0%		-11	-	-	-	-	-	
D. X% COLA UNTIL AGE 62:								
1. 90%		-4	-	-	-	-	-	
2. 75%		-7	-	-	-	-	-	
3. 67%		-8	-	-	-	-	-	
4. 50%	160-40-50	-11	-6	-11	-5	-10	-4	
5. 33%		-13	-	-	-	-	-	
6. 0%		-17	-	-	-	-	-	
E. X% COLA FOR LIFE:								
1. 75%		-8	-	-	-	-	-	
2. 50%		-12	-	-	-	-	-	
3. 25%		-16	-	-	-	-	-	
4. 0%		-18	-	-	-	-	-	
F. X% COLA TO 62+3% PEN:								
1. 75%	200/300-0-0	-12	-5	-12	-5	-11	-4	
2. 67%		-8	-	-	-	-	-	
III. SPECIAL ADJUSTMENTS:								
A. SS OFFSET (1.25%)		-8	-	-	-	-	-	
B. NO VESTING TIL X YOS:								
1. 22 YOS, NO SHIFT		-1	-	-	-	-	-	
2. 24 YOS, NO SHIFT		0	-	-	-	-	-	
3. 30 YOS, NO SHIFT		-2	-	-	-	-	-	
4. 22 YOS, SHIFT		-13	-	-	-	-	-	
5. 24 YOS, SHIFT		-16	-	-	-	-	-	
6. 30 YOS, SHIFT		-20	-	-	-	-	-	
C. RMA		-6	-	-	-	-	-	
D. USRBA	LOAN	-6	-2	-	-	-	-	
E. PPSSCC								
1. OSD 24B		-21	-	-	-	-	-	
2. USAF 1.9%		-21	-	-	-	-	-	

NOTE: COLUMNS HEADED "W/O" DON'T INCLUDE REALLOCATION; COLUMNS HEADED "WITH" DO.

REFERENCE NUMBER: 2

RETMT OPTION: TERM PAY
EARLY W/D OPTION: NONE
SOURCE: ACOL A/B

COSTS IN $ MILLIONS
****

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	266	1596	460	824	3146
MAINTENANCE----------	2594	1857	513	3077	8041
S & I----------	120	113	5	150	388
LOSS (NON-RETMT)---------	40	31	10	43	124
**FIXED GAIN COST--------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	3020	3597	988	4094	11699
RETIREMENT----------	1487	1108	305	2182	5082
EARLY WITHDRAWAL--------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	1487	1108	305	2182	5082
SUBTOTAL, TOTAL COST----	4507	4705	1293	6276	16781
ENLISTED COSTS:					
GAIN----------	884	507	371	550	2312
MAINTENANCE----------	9986	7033	2592	7311	26922
S & I----------	372	489	48	123	1032
LOSS (NON-RETMT)---------	177	122	56	105	460
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11419	8151	3067	8089	32766
RETIREMENT----------	3687	2218	648	3524	10077
EARLY WITHDRAWAL--------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	3687	2218	648	3524	10077
SUBTOTAL, TOTAL COST----	15106	10369	3715	11613	42843
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1150	2103	831	1374	5458
MAINTENANCE----------	12580	8890	3105	10388	34963
S & I----------	492	602	53	273	1420
LOSS (NON-RETMT)---------	217	153	66	148	584
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14439	11748	4055	12183	44465
RETIREMENT----------	5174	3326	953	5706	15159
EARLY WITHDRAWAL--------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	5174	3326	953	5706	15159
SUBTOTAL, TOTAL COST----	19613	15074	5008	17889	59624

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 3

RETMT OPTION: HIGH 3
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	269	1601	466	838	3174
MAINTENANCE	2589	1861	511	3064	8025
S & I	91	176	12	188	467
LOSS (NON-RETMT)	41	31	10	44	126
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2990	3669	999	4134	11792
RETIREMENT	1428	1066	294	2075	4863
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1428	1066	294	2075	4863
SUBTOTAL, TOTAL COST	4418	4735	1293	6209	16655
ENLISTED COSTS:					
GAIN	894	512	374	559	2339
MAINTENANCE	9907	6993	2576	7239	26715
S & I	374	486	47	124	1031
LOSS (NON-RETMT)	179	123	56	106	464
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11354	8114	3053	8028	32589
RETIREMENT	3461	2093	599	3302	9455
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3461	2093	599	3302	9455
SUBTOTAL, TOTAL COST	14815	10207	3652	11330	42044
TOTAL (OFF+ENL) COSTS:					
GAIN	1163	2113	840	1397	5513
MAINTENANCE	12496	8854	3087	10303	34740
S & I	465	662	59	312	1498
LOSS (NON-RETMT)	220	154	66	150	590
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14344	11783	4052	12162	44381
RETIREMENT	4889	3159	893	5377	14318
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	4889	3159	893	5377	14318
SUBTOTAL, TOTAL COST	19233	14942	4945	17539	58699

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 4

RETMT OPTION: DEC 10%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	279	1667	481	876	3303
MAINTENANCE	2552	1834	506	3023	7915
S & I	90	174	12	187	463
LOSS (NON-RETMT)	42	33	10	46	131
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2963	3708	1009	4132	11812
RETIREMENT	1234	925	257	1814	4230
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1234	925	257	1814	4230
SUBTOTAL, TOTAL COST	4197	4633	1266	5946	16042
ENLISTED COSTS:					
GAIN	918	523	384	572	2397
MAINTENANCE	9800	6929	2541	7172	26442
S & I	378	476	44	123	1021
LOSS (NON-RETMT)	184	126	58	109	477
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11280	8054	3027	7976	32377
RETIREMENT	2889	1755	479	2840	7963
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2889	1755	479	2840	7963
SUBTOTAL, TOTAL COST	14169	9809	3506	10816	40340
TOTAL (OFF+ENL) COSTS:					
GAIN	1197	2190	865	1448	5700
MAINTENANCE	12352	8763	3047	10195	34357
S & I	468	650	56	310	1484
LOSS (NON-RETMT)	226	159	68	155	608
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14243	11762	4036	12108	44189
RETIREMENT	4123	2680	736	4654	12193
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	4123	2680	736	4654	12193
SUBTOTAL, TOTAL COST	18366	14442	4772	16762	56382

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

ATCH 3

REFERENCE NUMBER: 5

RETMT OPTION: DEC 20%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	290	1737	497	907	3431
MAINTENANCE	2515	1808	500	2983	7806
S & I	90	171	11	185	457
LOSS (NON-RETMT)	44	34	10	48	136
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2939	3750	1018	4123	11830
RETIREMENT	1046	788	220	1559	3613
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1046	788	220	1559	3613
SUBTOTAL, TOTAL COST	3985	4538	1238	5682	15443
ENLISTED COSTS:					
GAIN	942	535	394	582	2453
MAINTENANCE	9701	6868	2509	7121	26199
S & I	381	466	41	123	1011
LOSS (NON-RETMT)	189	129	59	111	488
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11213	7998	3003	7937	32191
RETIREMENT	2370	1448	374	2425	6617
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2370	1448	374	2425	6617
SUBTOTAL, TOTAL COST	13583	9446	3377	10362	38808
TOTAL (OFF+ENL) COSTS:					
GAIN	1232	2272	891	1489	5884
MAINTENANCE	12216	8676	3009	10104	34005
S & I	471	637	52	308	1468
LOSS (NON-RETMT)	233	163	69	159	624
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14152	11748	4021	12060	44021
RETIREMENT	3416	2236	594	3984	10230
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3416	2236	594	3984	10230
SUBTOTAL, TOTAL COST	17568	13984	4615	16044	54251

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 6

RETMT OPTION: DEC 20%
EARLY W/D OPTION: 150--30--70
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	264	1581	460	827	3132
MAINTENANCE	2599	1666	511	3067	8043
S & I	91	177	12	189	469
LOSS (NON-RETMT)	40	31	10	43	124
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	2994	3655	993	4126	11768
RETIREMENT	1160	859	238	1677	3934
EARLY WITHDRAWAL	113	90	21	159	383
SUBTOTAL, RETIREMENT---	1273	949	259	1836	4317
SUBTOTAL, TOTAL COST----	4267	4604	1252	5962	16085
ENLISTED COSTS:					
GAIN	885	508	371	554	2318
MAINTENANCE	9949	7018	2588	7266	26821
S & I	373	489	48	124	1034
LOSS (NON-RETMT)	177	122	56	106	461
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11384	8137	3063	8050	32674
RETIREMENT	2837	1710	491	2681	7719
EARLY WITHDRAWAL	298	168	54	290	810
SUBTOTAL, RETIREMENT---	3135	1878	545	2971	8529
SUBTOTAL, TOTAL COST----	14519	10015	3608	11021	41203
TOTAL (OFF+ENL) COSTS:					
GAIN	1149	2089	831	1381	5450
MAINTENANCE	12548	8884	3099	10333	34864
S & I	464	666	60	313	1503
LOSS (NON-RETMT)	217	153	66	149	585
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14378	11792	4056	12176	44442
RETIREMENT	3997	2569	729	4358	11653
EARLY WITHDRAWAL	411	258	75	449	1193
SUBTOTAL, RETIREMENT---	4408	2827	804	4807	12846
SUBTOTAL, TOTAL COST----	18786	14619	4860	16983	57288

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 7

RETMT OPTION: DEC 30%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	301	1811	513	945	3570
MAINTENANCE	2475	1779	495	2942	7691
S & I	89	167	11	183	450
LOSS (NON-RETMT)	46	35	11	50	142
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2911	3792	1030	4120	11853
RETIREMENT	862	657	186	1311	3016
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	862	657	186	1311	3016
SUBTOTAL, TOTAL COST	3773	4449	1216	5431	14869
ENLISTED COSTS:					
GAIN	963	546	402	591	2502
MAINTENANCE	9615	6812	2481	7074	25982
S & I	383	456	39	123	1001
LOSS (NON-RETMT)	193	131	60	113	497
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11154	7945	2982	7901	32022
RETIREMENT	1909	1168	285	2033	5395
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1909	1168	285	2033	5395
SUBTOTAL, TOTAL COST	13063	9113	3267	9934	37417
TOTAL (OFF+ENL) COSTS:					
GAIN	1264	2357	915	1536	6072
MAINTENANCE	12090	8591	2976	10016	33673
S & I	472	623	50	306	1451
LOSS (NON-RETMT)	239	166	71	163	639
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14065	11737	4012	12021	43875
RETIREMENT	2771	1825	471	3344	8411
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2771	1825	471	3344	8411
SUBTOTAL, TOTAL COST	16836	13562	4483	15365	52286

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

ATCH 3

REFERENCE NUMBER: 8

RETMT OPTION: DEC 30%
EARLY W/D OPTION: 210--0--0
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	272	1624	472	852	3220
MAINTENANCE----------	2554	1836	505	3020	7915
S & I----------	91	178	12	188	469
LOSS (NON-RETMT)--------	41	32	10	45	128
**FIXED GAIN COST-------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	2958	3670	999	4105	11732
RETIREMENT----------	1003	748	206	1457	3414
EARLY WITHDRAWAL--------	124	99	24	183	430
SUBTOTAL, RETIREMENT---	1127	847	230	1640	3844
SUBTOTAL, TOTAL COST----	4085	4517	1229	5745	15576
ENLISTED COSTS:					
GAIN----------	895	512	374	562	2343
MAINTENANCE----------	9855	6963	2565	7181	26564
S & I----------	376	487	48	125	1036
LOSS (NON-RETMT)--------	179	123	56	107	465
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11305	8085	3043	7975	32448
RETIREMENT----------	2408	1456	415	2285	6564
EARLY WITHDRAWAL--------	384	215	68	374	1041
SUBTOTAL, RETIREMENT---	2792	1671	483	2659	7605
SUBTOTAL, TOTAL COST----	14097	9756	3526	10634	40053
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1167	2136	846	1414	5563
MAINTENANCE----------	12409	8799	3070	10201	34479
S & I----------	467	665	60	313	1505
LOSS (NON-RETMT)--------	220	155	66	152	593
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14263	11755	4042	12080	44160
RETIREMENT----------	3411	2204	621	3742	9978
EARLY WITHDRAWAL--------	508	314	92	557	1471
SUBTOTAL, RETIREMENT---	3919	2518	713	4299	11449
SUBTOTAL, TOTAL COST----	18182	14273	4755	16379	55629

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 9

RETMT OPTION: DEC 30%
EARLY W/D OPTION: 210--60--100
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	259	1552	450	814	3075
MAINTENANCE----------	2617	1880	517	3082	8096
S & I----------	92	177	12	189	470
LOSS (NON-RETMT)--------	39	30	9	43	121
**FIXED GAIN COST-------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	3007	3639	988	4128	11762
RETIREMENT----------	1025	757	211	1478	3471
EARLY WITHDRAWAL--------	171	135	32	237	575
SUBTOTAL, RETIREMENT---	1196	892	243	1715	4046
SUBTOTAL, TOTAL COST----	4203	4531	1231	5843	15808
ENLISTED COSTS:					
GAIN----------	881	506	370	548	2305
MAINTENANCE----------	9999	7048	2595	7334	26976
S & I----------	372	490	48	124	1034
LOSS (NON-RETMT)--------	176	122	56	105	459
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11428	8166	3069	8111	32814
RETIREMENT----------	2517	1516	431	2394	6858
EARLY WITHDRAWAL--------	442	249	79	436	1206
SUBTOTAL, RETIREMENT---	2959	1765	510	2830	8064
SUBTOTAL, TOTAL COST----	14387	9931	3579	10941	40878
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1140	2058	820	1362	5380
MAINTENANCE----------	12616	8928	3112	10416	35072
S & I----------	464	667	60	313	1504
LOSS (NON-RETMT)--------	215	152	65	148	580
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14435	11805	4057	12239	44576
RETIREMENT----------	3542	2273	642	3872	10329
EARLY WITHDRAWAL--------	613	384	111	673	1781
SUBTOTAL, RETIREMENT---	4155	2657	753	4545	12110
SUBTOTAL, TOTAL COST----	18590	14462	4810	16784	56686

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 10

RETMT OPTION: DEC 40%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	313	1888	530	984	3715
MAINTENANCE	2435	1751	489	2901	7576
S & I	88	164	11	181	444
LOSS (NON-RETMT)	47	37	11	52	147
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2883	3840	1041	4118	11882
RETIREMENT	688	534	121	1074	2417
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	688	534	121	1074	2417
SUBTOTAL, TOTAL COST	3571	4374	1162	5192	14299
ENLISTED COSTS:					
GAIN	978	554	411	599	2542
MAINTENANCE	9545	6766	2454	7032	25797
S & I	385	448	36	123	992
LOSS (NON-RETMT)	196	133	62	114	505
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11104	7901	2963	7868	31876
RETIREMENT	1506	923	210	1670	4309
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1506	923	210	1670	4309
SUBTOTAL, TOTAL COST	12610	8824	3173	9538	36185
TOTAL (OFF+ENL) COSTS:					
GAIN	1291	2442	941	1583	6257
MAINTENANCE	11980	8517	2943	9933	33373
S & I	473	612	47	304	1436
LOSS (NON-RETMT)	243	170	73	166	652
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	13987	11741	4004	11986	43758
RETIREMENT	2194	1457	331	2744	6726
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2194	1457	331	2744	6726
SUBTOTAL, TOTAL COST	16181	13198	4335	14730	50484

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 11

RETMT OPTION: DEC 50%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	325	1968	546	1023	3862
MAINTENANCE	2397	1722	484	2861	7464
S & I	88	159	11	178	436
LOSS (NON-RETMT)	49	38	11	54	152
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2859	3887	1052	4116	11914
RETIREMENT	528	418	121	853	1920
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	528	418	121	853	1920
SUBTOTAL, TOTAL COST	3387	4305	1173	4969	13834
ENLISTED COSTS:					
GAIN	992	562	419	606	2579
MAINTENANCE	9480	6725	2431	6994	25630
S & I	387	442	34	123	986
LOSS (NON-RETMT)	198	135	63	116	512
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11057	7864	2947	7839	31747
RETIREMENT	1148	707	149	1331	3335
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1148	707	149	1331	3335
SUBTOTAL, TOTAL COST	12205	8571	3096	9170	35082
TOTAL (OFF+ENL) COSTS:					
GAIN	1317	2530	965	1629	6441
MAINTENANCE	11877	8447	2915	9855	33094
S & I	475	601	45	301	1422
LOSS (NON-RETMT)	247	173	74	170	664
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	13916	11751	3999	11955	43661
RETIREMENT	1676	1125	270	2184	5255
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1676	1125	270	2184	5255
SUBTOTAL, TOTAL COST	15592	12876	4269	14139	48916

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 12

RETMT OPTION: 1% PENALTY
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	274	1649	475	854	3243
MAINTENANCE	2579	1854	510	3056	7999
S & I	91	173	12	187	463
LOSS (NON-RETMT)	39	32	10	45	126
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2983	3699	1007	4142	11831
RETIREMENT	1320	985	274	1923	4502
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1320	985	274	1923	4502
SUBTOTAL, TOTAL COST	4303	4684	1281	6065	16333
ENLISTED COSTS:					
GAIN	913	521	383	568	2385
MAINTENANCE	9847	6958	2553	7215	26573
S & I	376	477	44	123	1020
LOSS (NON-RETMT)	183	125	57	108	473
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11319	8081	3037	8014	32491
RETIREMENT	3011	1856	507	2948	8322
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3011	1856	507	2948	8322
SUBTOTAL, TOTAL COST	14330	9937	3544	10962	40813
TOTAL (OFF+ENL) COSTS:					
GAIN	1187	2161	858	1422	5628
MAINTENANCE	12426	8812	3063	10271	34572
S & I	467	650	56	310	1483
LOSS (NON-RETMT)	222	157	67	153	599
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14302	11780	4044	12156	44322
RETIREMENT	4331	2841	781	4871	12824
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	4331	2841	781	4871	12824
SUBTOTAL, TOTAL COST	18633	14621	4825	17027	57146

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 13

RETMT OPTION: 1% PEN
EARLY W/D OPTION: 90--0--0
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	263	1567	457	819	3106
MAINTENANCE	2610	1878	515	3088	8091
S & I	91	177	12	189	469
LOSS (NON-RETMT)	37	31	10	43	121
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	3001	3553	994	4139	11787
RETIREMENT	1386	1029	283	1995	4693
EARLY WITHDRAWAL	52	82	10	77	181
SUBTOTAL, RETIREMENT	1438	1071	293	2072	4874
SUBTOTAL, TOTAL COST	4439	4724	1287	6211	16661
ENLISTED COSTS:					
GAIN	883	506	370	552	2311
MAINTENANCE	9959	7026	2594	7272	26851
S & I	373	490	48	124	1035
LOSS (NON-RETMT)	177	122	55	105	459
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11392	8144	3067	8053	32696
RETIREMENT	3292	2020	585	3101	8998
EARLY WITHDRAWAL	164	92	29	158	443
SUBTOTAL, RETIREMENT	3456	2112	614	3259	9441
SUBTOTAL, TOTAL COST	14848	10256	3681	11312	42137
TOTAL (OFF+ENL) COSTS:					
GAIN	1146	2073	827	1371	5417
MAINTENANCE	12569	8904	3109	10360	34942
S & I	464	667	60	313	1504
LOSS (NON-RETMT)	214	153	65	148	580
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14393	11797	4061	12192	44483
RETIREMENT	4678	3049	868	5096	13691
EARLY WITHDRAWAL	216	134	39	235	624
SUBTOTAL, RETIREMENT	4894	3183	907	5331	14315
SUBTOTAL, TOTAL COST	19287	14980	4968	17523	58798

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 14

RETMT OPTION: 2% PEN
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	277	1670	478	867	3292
MAINTENANCE	2570	1847	510	3049	7976
S & I	90	170	11	186	457
LOSS (NON-RETMT)	42	33	10	46	131
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2979	3720	1009	4148	11856
RETIREMENT	1228	912	256	1792	4188
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1228	912	256	1792	4188
SUBTOTAL, TOTAL COST	4207	4632	1265	5940	16044
ENLISTED COSTS:					
GAIN	933	530	391	573	2427
MAINTENANCE	9786	6921	2530	7202	26439
S & I	378	468	41	122	1009
LOSS (NON-RETMT)	187	128	59	109	483
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11284	8047	3021	8006	32398
RETIREMENT	2603	1637	428	2633	7301
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2603	1637	428	2633	7301
SUBTOTAL, TOTAL COST	13887	9684	3449	10639	39699
TOTAL (OFF+ENL) COSTS:					
GAIN	1210	2200	869	1440	5719
MAINTENANCE	12356	8768	3040	10251	34415
S & I	468	638	52	308	1466
LOSS (NON-RETMT)	229	161	69	155	614
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14263	11767	4030	12154	44254
RETIREMENT	3831	2549	684	4425	11489
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3831	2549	684	4425	11489
SUBTOTAL, TOTAL COST	18094	14316	4714	16579	55743

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 15

RETMT OPTION: 2% PEN
EARLY W/D OPTION: 150--0--0
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	259	1552	452	810	3073
MAINTENANCE	2625	1888	517	3105	8135
S & I	91	177	12	189	469
LOSS (NON-RETMT)	39	30	9	43	121
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	3014	3647	990	4147	11798
RETIREMENT	1331	985	271	1896	4483
EARLY WITHDRAWAL	87	69	17	127	300
SUBTOTAL, RETIREMENT	1418	1054	288	2023	4783
SUBTOTAL, TOTAL COST	4432	4701	1278	6170	16581
ENLISTED COSTS:					
GAIN	882	506	369	551	2308
MAINTENANCE	9977	7039	2599	7289	26904
S & I	373	490	48	124	1035
LOSS (NON-RETMT)	177	122	55	105	459
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11409	8157	3071	8069	32746
RETIREMENT	3039	1897	549	2854	8339
EARLY WITHDRAWAL	271	152	48	263	734
SUBTOTAL, RETIREMENT	3310	2049	597	3117	9073
SUBTOTAL, TOTAL COST	14719	10206	3668	11186	41819
TOTAL (OFF+ENL) COSTS:					
GAIN	1141	2058	821	1361	5381
MAINTENANCE	12602	8927	3116	10394	35039
S & I	464	667	60	313	1504
LOSS (NON-RETMT)	216	152	64	148	580
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14423	11804	4061	12216	44504
RETIREMENT	4370	2882	820	4750	12822
EARLY WITHDRAWAL	358	221	65	390	1034
SUBTOTAL, RETIREMENT	4728	3103	885	5140	13856
SUBTOTAL, TOTAL COST	19151	14907	4946	17356	58400

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 16

RETMT OPTION: 3% PEN
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	280	1686	478	867	3311
MAINTENANCE	2559	1843	510	3047	7959
S & I	90	168	11	185	454
LOSS (NON-RETMT)	43	33	10	46	132
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2972	3730	1009	4145	11856
RETIREMENT	1147	858	241	1684	3930
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1147	858	241	1684	3930
SUBTOTAL, TOTAL COST	4119	4588	1250	5829	15786
ENLISTED COSTS:					
GAIN	943	540	398	575	2456
MAINTENANCE	9754	6884	2508	7203	26349
S & I	379	459	39	122	999
LOSS (NON-RETMT)	189	130	60	110	489
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11265	8013	3005	8010	32333
RETIREMENT	2285	1438	360	2378	6461
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2285	1438	360	2378	6461
SUBTOTAL, TOTAL COST	13550	9451	3365	10388	38794
TOTAL (OFF+ENL) COSTS:					
GAIN	1223	2226	876	1442	5767
MAINTENANCE	12313	8727	3018	10250	34308
S & I	469	627	50	307	1453
LOSS (NON-RETMT)	232	163	70	156	621
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14237	11743	4014	12155	44189
RETIREMENT	3432	2296	601	4062	10391
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3432	2296	601	4062	10391
SUBTOTAL, TOTAL COST	17669	14039	4615	16217	54580

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 17

RETMT OPTION: 3% PEN
EARLY W/D OPTION: 210--0--0
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	255	1527	445	795	3022
MAINTENANCE	2642	1900	520	3123	8185
S & I	92	177	12	189	470
LOSS (NON-RETMT)	39	30	9	42	120
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	3028	3634	986	4149	11797
RETIREMENT	1288	951	261	1813	4313
EARLY WITHDRAWAL	122	96	24	178	420
SUBTOTAL, RETIREMENT	1410	1047	285	1991	4733
SUBTOTAL, TOTAL COST	4438	4681	1271	6140	16530
ENLISTED COSTS:					
GAIN	879	595	369	549	2302
MAINTENANCE	10005	7053	2604	7312	26974
S & I	372	490	48	124	1034
LOSS (NON-RETMT)	176	122	55	105	458
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11432	8170	3076	8090	32808
RETIREMENT	2815	1783	516	2631	7745
EARLY WITHDRAWAL	377	211	67	367	1022
SUBTOTAL, RETIREMENT	3192	1994	583	2998	8767
SUBTOTAL, TOTAL COST	14624	10164	3659	11088	41575
TOTAL (OFF+ENL) COSTS:					
GAIN	1134	2032	814	1344	5324
MAINTENANCE	12647	8953	3124	10435	35159
S & I	464	667	60	313	1504
LOSS (NON-RETMT)	215	152	64	147	578
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14460	11804	4062	12239	44605
RETIREMENT	4103	2734	777	4444	12058
EARLY WITHDRAWAL	499	307	91	545	1442
SUBTOTAL, RETIREMENT	4602	3041	868	4989	13500
SUBTOTAL, TOTAL COST	19062	14845	4930	17228	58105

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 18

RETMT OPTION: 4% PEN
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	283	1694	480	875	3332
MAINTENANCE	2544	1842	511	3048	7945
S & I	90	167	11	184	452
LOSS (NON-RETMT)	43	33	10	46	132
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2960	3736	1012	4153	11861
RETIREMENT	975	760	215	1479	3429
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	975	760	215	1479	3429
SUBTOTAL, TOTAL COST	3935	4496	1227	5632	15290
ENLISTED COSTS:					
GAIN	945	544	401	574	2464
MAINTENANCE	9765	6867	2498	7227	26357
S & I	379	455	38	122	994
LOSS (NON-RETMT)	189	131	60	109	489
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11278	7997	2997	8032	32344
RETIREMENT	2085	1289	313	2192	5879
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2085	1289	313	2192	5879
SUBTOTAL, TOTAL COST	13363	9286	3310	10224	38223
TOTAL (OFF+ENL) COSTS:					
GAIN	1228	2238	881	1449	5796
MAINTENANCE	12309	8709	3009	10275	34302
S & I	469	622	49	306	1446
LOSS (NON-RETMT)	232	164	70	155	621
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14238	11733	4009	12185	44205
RETIREMENT	3060	2049	528	3671	9308
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3060	2049	528	3671	9308
SUBTOTAL, TOTAL COST	17298	13782	4537	15856	53513

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 19

RETMT OPTION: 4% PEN
EARLY W/D OPTION: 270--0--0
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	250	1495	437	233	2415
MAINTENANCE	2661	1914	523	3145	8243
S & I	92	177	12	190	471
LOSS (NON-RETMT)	38	29	9	35	111
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	3041	3615	981	3603	11240
RETIREMENT	1250	924	252	1742	4168
EARLY WITHDRAWAL	157	124	31	230	542
SUBTOTAL, RETIREMENT	1407	1048	283	1972	4710
SUBTOTAL, TOTAL COST	4448	4663	1264	5575	15950
ENLISTED COSTS:					
GAIN	866	504	366	540	2276
MAINTENANCE	10081	7068	2614	7368	27131
S & I	370	491	48	124	1033
LOSS (NON-RETMT)	173	121	55	103	452
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11490	8184	3083	8135	32932
RETIREMENT	2685	1678	489	2475	7327
EARLY WITHDRAWAL	488	270	86	474	1318
SUBTOTAL, RETIREMENT	3173	1948	575	2949	8645
SUBTOTAL, TOTAL COST	14663	10132	3658	11084	41577
TOTAL (OFF+ENL) COSTS:					
GAIN	1116	1999	803	773	4691
MAINTENANCE	12742	8982	3137	10513	35374
S & I	462	668	60	314	1504
LOSS (NON-RETMT)	211	150	64	138	563
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14531	11799	4064	11738	44172
RETIREMENT	3935	2602	741	4217	11495
EARLY WITHDRAWAL	645	394	117	704	1860
SUBTOTAL, RETIREMENT	4580	2996	858	4921	13355
SUBTOTAL, TOTAL COST	19111	14795	4922	16659	57527

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 20

RETMT OPTION: 5% PEN
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	288	1699	479	875	3341
MAINTENANCE	2522	1841	511	3052	7926
S & I	90	166	11	184	451
LOSS (NON-RETMT)	40	33	10	46	129
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2940	3739	1011	4157	11847
RETIREMENT	1018	786	221	1533	3558
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1018	786	221	1533	3558
SUBTOTAL, TOTAL COST	3958	4525	1232	5690	15405
ENLISTED COSTS:					
GAIN	944	544	402	570	2460
MAINTENANCE	9790	6872	2492	7267	26421
S & I	379	455	37	122	993
LOSS (NON-RETMT)	189	131	60	109	489
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11302	8002	2991	8068	32403
RETIREMENT	1949	1198	280	2065	5492
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1949	1198	280	2065	5492
SUBTOTAL, TOTAL COST	13251	9200	3271	10133	37895
TOTAL (OFF+ENL) COSTS:					
GAIN	1232	2243	881	1445	5801
MAINTENANCE	12312	8713	3003	10319	34347
S & I	469	621	48	306	1444
LOSS (NON-RETMT)	229	164	70	155	618
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14242	11741	4002	12225	44250
RETIREMENT	2967	1984	501	3598	9050
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2967	1984	501	3598	9050
SUBTOTAL, TOTAL COST	17209	13725	4503	15823	53300

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 21

RETMT OPTION: 6% PEN
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	292	1707	478	874	3351
MAINTENANCE----------	2498	1837	513	3057	7905
S & I----------	90	166	11	184	451
LOSS (NON-RETMT)---------	40	33	10	46	129
**FIXED GAIN COST-------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	2920	3743	1012	4161	11836
RETIREMENT----------	975	760	215	1479	3429
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	975	760	215	1479	3429
SUBTOTAL, TOTAL COST----	3895	4503	1227	5640	15265
ENLISTED COSTS:					
GAIN----------	941	542	403	566	2452
MAINTENANCE----------	9826	6892	2488	7314	26520
S & I----------	378	455	37	121	991
LOSS (NON-RETMT)---------	188	131	60	108	487
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11333	8020	2988	8109	32490
RETIREMENT----------	1871	1153	255	1980	5259
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	1871	1153	255	1980	5259
SUBTOTAL, TOTAL COST----	13204	9173	3243	10089	37749
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1233	2249	881	1440	5803
MAINTENANCE----------	12324	8729	3001	10371	34425
S & I----------	468	621	48	305	1442
LOSS (NON-RETMT)---------	228	164	70	154	616
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14253	11763	4000	12270	44326
RETIREMENT----------	2846	1913	470	3459	8688
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	2846	1913	470	3459	8688
SUBTOTAL, TOTAL COST----	17099	13676	4470	15729	53014

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 22

RETMT OPTION: 6% PEN
EARLY W/D OPTION: 390--0--0
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	240	1425	419	744	2828
MAINTENANCE	2698	1945	531	3192	8366
S & I	92	179	12	191	474
LOSS (NON-RETMT)	36	28	9	39	112
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	3066	3577	971	4166	11780
RETIREMENT	1195	887	236	1623	3941
EARLY WITHDRAWAL	229	181	45	336	791
SUBTOTAL, RETIREMENT	1424	1068	281	1959	4732
SUBTOTAL, TOTAL COST	4490	4645	1252	6125	16512
ENLISTED COSTS:					
GAIN	829	489	356	516	2190
MAINTENANCE	10300	7173	2653	7530	27656
S & I	364	502	50	125	1041
LOSS (NON-RETMT)	166	118	53	98	435
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11659	8282	3112	8269	33362
RETIREMENT	2616	1614	466	2321	7017
EARLY WITHDRAWAL	726	398	131	695	1950
SUBTOTAL, RETIREMENT	3342	2012	597	3016	8967
SUBTOTAL, TOTAL COST	15001	10294	3709	11285	42329
TOTAL (OFF+ENL) COSTS:					
GAIN	1069	1914	775	1260	5018
MAINTENANCE	12998	9118	3184	10722	36022
S & I	456	681	62	316	1515
LOSS (NON-RETMT)	202	146	62	137	547
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14725	11859	4083	12435	45142
RETIREMENT	3811	2501	702	3942	10958
EARLY WITHDRAWAL	955	579	176	1031	2741
SUBTOTAL, RETIREMENT	4766	3080	878	4975	13699
SUBTOTAL, TOTAL COST	19491	14939	4961	17410	58841

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 23

RETMT OPTION: COLA 30/90%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	271	1616	469	844	3200
MAINTENANCE	2584	1858	511	3060	8013
S & I	91	175	12	188	466
LOSS (NON-RETMT)	41	31	10	44	126
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2987	3680	1002	4136	11805
RETIREMENT	1368	1023	282	1990	4663
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1368	1023	282	1990	4663
SUBTOTAL, TOTAL COST	4355	4703	1284	6126	16468
ENLISTED COSTS:					
GAIN	901	515	377	562	2355
MAINTENANCE	9884	6979	2568	7227	26658
S & I	375	483	46	123	1027
LOSS (NON-RETMT)	180	124	57	107	468
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11340	8101	3048	8019	32548
RETIREMENT	3269	1980	559	3150	8958
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3269	1980	559	3150	8958
SUBTOTAL, TOTAL COST	14609	10081	3607	11169	41506
TOTAL (OFF+ENL) COSTS:					
GAIN	1172	2131	846	1406	5555
MAINTENANCE	12468	8837	3079	10287	34671
S & I	466	658	58	311	1493
LOSS (NON-RETMT)	221	155	67	151	594
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14327	11781	4050	12155	44353
RETIREMENT	4637	3003	841	5140	13621
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	4637	3003	841	5140	13621
SUBTOTAL, TOTAL COST	18964	14784	4891	17295	57974

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 24

RETMT OPTION: COLA 30/75%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	274	1637	473	854	3238
MAINTENANCE	2577	1853	510	3053	7993
S & I	91	174	12	187	464
LOSS (NON-RETMT)	42	32	10	45	129
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2984	3696	1005	4139	11824
RETIREMENT	1283	963	264	1869	4379
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1283	963	264	1869	4379
SUBTOTAL, TOTAL COST	4267	4659	1269	6008	16203
ENLISTED COSTS:					
GAIN	911	520	381	567	2379
MAINTENANCE	9849	6959	2555	7210	26573
S & I	376	478	44	123	1021
LOSS (NON-RETMT)	182	125	57	108	472
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11318	8082	3037	8008	32485
RETIREMENT	3002	1821	503	2937	8263
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3002	1821	503	2937	8263
SUBTOTAL, TOTAL COST	14320	9903	3540	10945	40748
TOTAL (OFF+ENL) COSTS:					
GAIN	1185	2157	854	1421	5617
MAINTENANCE	12426	8812	3065	10263	34566
S & I	467	652	56	310	1485
LOSS (NON-RETMT)	224	157	67	153	601
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14302	11778	4042	12147	44309
RETIREMENT	4285	2784	767	4806	12642
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	4285	2784	767	4806	12642
SUBTOTAL, TOTAL COST	18587	14562	4809	16953	56951

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 25

RETMT OPTION: COLA 30/67%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	275	1648	476	859	3258
MAINTENANCE	2574	1850	509	3049	7982
S & I	90	173	12	187	462
LOSS (NON-RETMT)	42	32	10	45	129
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2981	3703	1007	4140	11831
RETIREMENT	1241	933	255	1809	4238
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1241	933	255	1809	4238
SUBTOTAL, TOTAL COST	4222	4636	1262	5949	16069
ENLISTED COSTS:					
GAIN	916	522	383	569	2390
MAINTENANCE	9831	6948	2549	7203	26531
S & I	377	476	44	123	1020
LOSS (NON-RETMT)	183	126	57	109	475
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11307	8072	3033	8004	32456
RETIREMENT	2870	1742	476	2832	7920
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2870	1742	476	2832	7920
SUBTOTAL, TOTAL COST	14177	9814	3509	10836	40376
TOTAL (OFF+ENL) COSTS:					
GAIN	1191	2170	859	1428	5648
MAINTENANCE	12405	8798	3058	10252	34513
S & I	467	649	56	310	1482
LOSS (NON-RETMT)	225	158	67	154	604
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14288	11775	4040	12144	44287
RETIREMENT	4111	2675	731	4641	12158
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	4111	2675	731	4641	12158
SUBTOTAL, TOTAL COST	18399	14450	4771	16785	56445

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 26

RETMT OPTION: COLA 30/50%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	277	1668	479	868	3292
MAINTENANCE----------	2566	1844	508	3042	7960
S & I----------	90	171	11	186	458
LOSS (NON-RETMT)---------	42	33	10	46	131
**FIXED GAIN COST--------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	2975	3716	1008	4142	11841
RETIREMENT----------	1159	874	238	1692	3963
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	1159	874	238	1692	3963
SUBTOTAL, TOTAL COST----	4134	4590	1246	5834	15804
ENLISTED COSTS:					
GAIN----------	926	527	388	573	2414
MAINTENANCE----------	9793	6926	2536	7189	26444
S & I----------	378	471	42	123	1014
LOSS (NON-RETMT)---------	185	127	58	109	479
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11282	8051	3024	7994	32391
RETIREMENT----------	2607	1585	422	2627	7241
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	2607	1585	422	2627	7241
SUBTOTAL, TOTAL COST----	13889	9636	3446	10621	39632
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1203	2195	867	1441	5706
MAINTENANCE----------	12359	8770	3044	10231	34404
S & I----------	468	642	53	309	1472
LOSS (NON-RETMT)---------	227	160	68	155	610
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14257	11767	4032	12136	44232
RETIREMENT----------	3766	2459	660	4319	11204
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	3766	2459	660	4319	11204
SUBTOTAL, TOTAL COST----	18023	14226	4692	16455	55436

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 27

RETMT OPTION: COLA 30/33%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	282	1702	481	874	3339
MAINTENANCE----------	2560	1838	508	3036	7942
S & I----------	90	170	11	185	456
LOSS (NON-RETMT)---------	43	33	10	46	132
**FIXED GAIN COST----	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	2975	3743	1010	4141	11869
RETIREMENT----------	1082	821	223	1586	3712
EARLY WITHDRAWAL--------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	1082	821	223	1586	3712
SUBTOTAL, TOTAL COST----	4057	4564	1233	5727	15581
ENLISTED COSTS:					
GAIN----------	936	532	392	576	2436
MAINTENANCE----------	9758	6904	2523	7175	26360
S & I----------	379	467	41	123	1010
LOSS (NON-RETMT)---------	187	128	59	110	484
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11260	8031	3015	7984	32330
RETIREMENT----------	2373	1444	376	2437	6630
EARLY WITHDRAWAL--------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	2373	1444	376	2437	6630
SUBTOTAL, TOTAL COST----	13633	9475	3391	10421	38960
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1218	2234	873	1450	5775
MAINTENANCE----------	12318	8742	3031	10211	34302
S & I----------	469	637	52	308	1466
LOSS (NON-RETMT)---------	230	161	69	156	616
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14235	11774	4025	12125	44199
RETIREMENT----------	3455	2265	599	4023	10342
EARLY WITHDRAWAL--------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	3455	2265	599	4023	10342
SUBTOTAL, TOTAL COST----	17690	14039	4624	16148	54541

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 28

RETMT OPTION: COLA 30/0%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	282	1702	484	881	3349
MAINTENANCE	2546	1831	507	3027	7911
S & I	90	169	11	185	455
LOSS (NON-RETMT)	43	33	10	46	132
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2961	3735	1012	4139	11847
RETIREMENT	949	735	197	1409	3290
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	949	735	197	1409	3290
SUBTOTAL, TOTAL COST	3910	4470	1209	5548	15137
ENLISTED COSTS:					
GAIN	948	540	399	579	2466
MAINTENANCE	9722	6864	2500	7168	26254
S & I	380	459	39	122	1000
LOSS (NON-RETMT)	190	130	60	110	490
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11240	7993	2998	7979	32250
RETIREMENT	2026	1209	301	2144	5680
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2026	1209	301	2144	5680
SUBTOTAL, TOTAL COST	13266	9202	3299	10123	37930
TOTAL (OFF+ENL) COSTS:					
GAIN	1230	2242	883	1460	5815
MAINTENANCE	12268	8695	3007	10195	34165
S & I	470	628	50	307	1455
LOSS (NON-RETMT)	233	163	70	156	622
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14201	11728	4010	12118	44097
RETIREMENT	2975	1944	498	3553	8970
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2975	1944	498	3553	8970
SUBTOTAL, TOTAL COST	17176	13672	4508	15671	53067

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 29

RETMT OPTION: COLA 62/90%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	273	1628	472	851	3224
MAINTENANCE	2576	1852	509	3050	7987
S & I	91	175	12	187	465
LOSS (NON-RETMT)	41	32	10	45	128
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2981	3687	1003	4133	11804
RETIREMENT	1272	951	258	1861	4342
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1272	951	258	1861	4342
SUBTOTAL, TOTAL COST	4253	4638	1261	5994	16146
ENLISTED COSTS:					
GAIN	905	517	379	565	2366
MAINTENANCE	9858	6964	2560	7209	26591
S & I	376	481	45	123	1025
LOSS (NON-RETMT)	181	124	57	108	470
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11320	8086	3041	8005	32492
RETIREMENT	3058	1846	505	2985	8394
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3058	1846	505	2985	8394
SUBTOTAL, TOTAL COST	14378	9932	3546	10990	40886
TOTAL (OFF+ENL) COSTS:					
GAIN	1178	2145	851	1416	5590
MAINTENANCE	12434	8816	3069	10259	34578
S & I	467	656	57	310	1490
LOSS (NON-RETMT)	222	156	67	153	598
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14301	11773	4044	12138	44296
RETIREMENT	4330	2797	763	4846	12736
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	4330	2797	763	4846	12736
SUBTOTAL, TOTAL COST	18631	14570	4807	16984	57032

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 30

RETMT OPTION: COLA 62/75%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	279	1667	481	871	3298
MAINTENANCE	2556	1838	506	3028	7928
S & I	90	173	12	186	461
LOSS (NON-RETMT)	42	32	10	46	130
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2967	3710	1009	4131	11817
RETIREMENT	1134	852	232	1668	3886
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1134	852	232	1668	3886
SUBTOTAL, TOTAL COST	4101	4562	1241	5799	15703
ENLISTED COSTS:					
GAIN	921	525	385	573	2404
MAINTENANCE	9792	6924	2538	7172	26426
S & I	378	474	44	123	1019
LOSS (NON-RETMT)	184	126	58	109	477
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11275	8049	3025	7977	32366
RETIREMENT	2610	1582	420	2605	7217
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2610	1582	420	2605	7217
SUBTOTAL, TOTAL COST	13885	9631	3445	10582	39583
TOTAL (OFF+ENL) COSTS:					
GAIN	1200	2192	866	1444	5702
MAINTENANCE	12348	8762	3044	10200	34354
S & I	468	647	56	309	1480
LOSS (NON-RETMT)	226	158	68	155	607
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14242	11759	4034	12108	44183
RETIREMENT	3744	2434	652	4273	11103
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3744	2434	652	4273	11103
SUBTOTAL, TOTAL COST	17986	14193	4686	16381	55286

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 31

RETMT OPTION: COLA 62/67%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	282	1667	485	881	3315
MAINTENANCE	2546	1830	505	3017	7898
S & I	90	172	11	186	459
LOSS (NON-RETMT)	43	32	10	46	131
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2961	3701	1011	4130	11803
RETIREMENT	1100	828	228	1617	3773
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1100	828	228	1617	3773
SUBTOTAL, TOTAL COST	4061	4529	1239	5747	15576
ENLISTED COSTS:					
GAIN	929	528	388	576	2421
MAINTENANCE	9760	6905	2528	7155	26348
S & I	379	471	43	123	1016
LOSS (NON-RETMT)	186	127	58	110	481
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11254	8031	3017	7964	32306
RETIREMENT	2433	1481	395	2440	6749
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2433	1481	395	2440	6749
SUBTOTAL, TOTAL COST	13687	9512	3412	10404	39055
TOTAL (OFF+ENL) COSTS:					
GAIN	1211	2195	873	1457	5736
MAINTENANCE	12306	8735	3033	10172	34246
S & I	469	643	54	309	1475
LOSS (NON-RETMT)	229	159	68	156	612
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14215	11732	4028	12094	44109
RETIREMENT	3533	2309	623	4057	10522
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3533	2309	623	4057	10522
SUBTOTAL, TOTAL COST	17748	14041	4651	16151	54631

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 32

RETMT OPTION: COLA 62/50%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	288	1727	494	901	3410
MAINTENANCE	2526	1815	502	2995	7838
S & I	90	170	11	185	456
LOSS (NON-RETMT)	44	34	10	47	135
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2948	3746	1017	4128	11839
RETIREMENT	961	728	200	1422	3311
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	961	728	200	1422	3311
SUBTOTAL, TOTAL COST	3909	4474	1217	5550	15150
ENLISTED COSTS:					
GAIN	944	536	394	582	2456
MAINTENANCE	9699	6867	2508	7124	26198
S & I	381	465	41	123	1010
LOSS (NON-RETMT)	189	129	59	111	488
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11213	7997	3002	7940	32192
RETIREMENT	2023	1235	312	2100	5670
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2023	1235	312	2100	5670
SUBTOTAL, TOTAL COST	13236	9232	3314	10040	37862
TOTAL (OFF+ENL) COSTS:					
GAIN	1232	2263	888	1483	5866
MAINTENANCE	12225	8682	3010	10119	34036
S & I	471	635	52	308	1466
LOSS (NON-RETMT)	233	163	69	158	623
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14161	11743	4019	12068	44031
RETIREMENT	2984	1963	512	3522	8981
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2984	1963	512	3522	8981
SUBTOTAL, TOTAL COST	17145	13706	4531	15590	53012

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 33

RETMT OPTION: COLA 62/50%
EARLY W/D OPTION: 160--40--50
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	260	1556	453	814	3083
MAINTENANCE----------	2621	1881	516	3089	8107
S & I----------	91	177	12	189	469
LOSS (NON-RETMT)---------	39	30	9	43	121
**FIXED GAIN COST-------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	3011	3644	990	4135	11780
RETIREMENT----------	1090	810	221	1558	3679
EARLY WITHDRAWAL---------	120	95	22	169	406
SUBTOTAL, RETIREMENT---	1210	905	243	1727	4085
SUBTOTAL, TOTAL COST----	4221	4549	1233	5862	15865
ENLISTED COSTS:					
GAIN----------	883	506	370	552	2311
MAINTENANCE----------	9971	7033	2597	7291	26892
S & I----------	373	490	48	124	1035
LOSS (NON-RETMT)---------	177	122	55	105	459
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11404	8151	3070	8072	32737
RETIREMENT----------	2511	1514	439	2381	6845
EARLY WITHDRAWAL---------	320	180	58	311	869
SUBTOTAL, RETIREMENT---	2831	1694	497	2692	7714
SUBTOTAL, TOTAL COST----	14235	9845	3567	10764	40451
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1143	2062	823	1366	5394
MAINTENANCE----------	12592	8914	3113	10380	34999
S & I----------	464	667	60	313	1504
LOSS (NON-RETMT)---------	216	152	64	148	580
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14415	11795	4060	12207	44517
RETIREMENT----------	3601	2324	660	3939	10524
EARLY WITHDRAWAL---------	440	275	80	480	1275
SUBTOTAL, RETIREMENT---	4041	2599	740	4419	11799
SUBTOTAL, TOTAL COST----	18456	14394	4800	16626	56316

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 34

RETMT OPTION: COLA 62/33%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	293	1765	502	920	3480
MAINTENANCE	2506	1800	499	2973	7778
S & I	90	168	11	184	453
LOSS (NON-RETMT)	44	34	10	48	136
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2933	3767	1022	4125	11847
RETIREMENT	827	631	173	1235	2866
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	827	631	173	1235	2866
SUBTOTAL, TOTAL COST	3760	4398	1195	5360	14713
ENLISTED COSTS:					
GAIN	957	542	400	587	2486
MAINTENANCE	9647	6835	2491	7097	26070
S & I	382	459	39	123	1003
LOSS (NON-RETMT)	192	130	60	112	494
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11178	7966	2990	7919	32093
RETIREMENT	1718	1051	258	1822	4849
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1718	1051	258	1822	4849
SUBTOTAL, TOTAL COST	12896	9017	3248	9741	36942
TOTAL (OFF+ENL) COSTS:					
GAIN	1250	2307	902	1507	5966
MAINTENANCE	12153	8635	2990	10070	33848
S & I	472	627	50	307	1456
LOSS (NON-RETMT)	236	164	70	160	630
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14111	11733	4012	12044	43940
RETIREMENT	2545	1682	431	3057	7715
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2545	1682	431	3057	7715
SUBTOTAL, TOTAL COST	16656	13415	4443	15101	51655

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 35

RETMT OPTION: COLA 62/0%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	303	1831	515	953	3602
MAINTENANCE	2471	1776	495	2937	7679
S & I	89	165	11	182	447
LOSS (NON-RETMT)	46	36	11	50	143
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2909	3808	1032	4122	11871
RETIREMENT	648	505	139	988	2280
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	648	505	139	988	2280
SUBTOTAL, TOTAL COST	3557	4313	1171	5110	14151
ENLISTED COSTS:					
GAIN	972	551	408	595	2526
MAINTENANCE	9577	6787	2465	7055	25884
S & I	384	451	37	123	995
LOSS (NON-RETMT)	194	133	61	113	501
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11127	7922	2971	7886	31946
RETIREMENT	1283	787	183	1407	3660
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1283	787	183	1407	3660
SUBTOTAL, TOTAL COST	12410	8709	3154	9293	35606
TOTAL (OFF+ENL) COSTS:					
GAIN	1275	2382	923	1548	6128
MAINTENANCE	12048	8563	2960	9992	33563
S & I	473	616	48	305	1442
LOSS (NON-RETMT)	240	169	72	163	644
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14036	11730	4003	12008	43817
RETIREMENT	1931	1292	322	2395	5940
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1931	1292	322	2395	5940
SUBTOTAL, TOTAL COST	15967	13022	4325	14403	49757

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 36

RETMT OPTION: COLA LIFE/75%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	281	1681	484	877	3323
MAINTENANCE	2547	1830	505	3018	7900
S & I	119	111	5	148	383
LOSS (NON-RETMT)	43	33	10	46	132
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2990	3655	1004	4089	11738
RETIREMENT	1100	827	229	1617	3773
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1100	827	229	1617	3773
SUBTOTAL, TOTAL COST	4090	4482	1233	5706	15511
ENLISTED COSTS:					
GAIN	924	526	386	575	2411
MAINTENANCE	9785	6921	2536	7166	26408
S & I	378	473	43	123	1017
LOSS (NON-RETMT)	185	127	58	110	480
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11272	8047	3023	7974	32356
RETIREMENT	2532	1543	416	2507	6998
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2532	1543	416	2507	6998
SUBTOTAL, TOTAL COST	13804	9590	3439	10481	39354
TOTAL (OFF+ENL) COSTS:					
GAIN	1205	2207	870	1452	5734
MAINTENANCE	12332	8751	3041	10184	34308
S & I	497	584	48	271	1400
LOSS (NON-RETMT)	228	160	68	156	612
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14262	11702	4027	12063	44094
RETIREMENT	3632	2370	645	4124	10771
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3632	2370	645	4124	10771
SUBTOTAL, TOTAL COST	17894	14072	4672	16187	54865

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 37

RETMT OPTION: COLA LIFE/50%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	291	1747	498	912	3448
MAINTENANCE	2512	1804	500	2979	7795
S & I	118	110	5	147	380
LOSS (NON-RETMT)	44	34	10	48	136
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2965	3695	1013	4086	11759
RETIREMENT	860	651	181	1279	2971
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	860	651	181	1279	2971
SUBTOTAL, TOTAL COST	3825	4346	1194	5365	14730
ENLISTED COSTS:					
GAIN	948	537	396	589	2470
MAINTENANCE	9685	6860	2504	7104	26153
S & I	381	463	40	122	1006
LOSS (NON-RETMT)	190	129	59	112	490
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11204	7989	2999	7927	32159
RETIREMENT	1897	1163	297	1945	5302
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1897	1163	297	1945	5302
SUBTOTAL, TOTAL COST	13101	9152	3296	9872	37461
TOTAL (OFF+ENL) COSTS:					
GAIN	1239	2284	894	1501	5918
MAINTENANCE	12197	8664	3004	10083	33948
S & I	499	573	45	269	1386
LOSS (NON-RETMT)	234	163	69	160	626
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14169	11684	4012	12013	43918
RETIREMENT	2757	1814	478	3224	8273
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2757	1814	478	3224	8273
SUBTOTAL, TOTAL COST	16926	13498	4490	15237	52197

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 38

RETMT OPTION: COLA LIFE/25%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	300	1804	511	941	3556
MAINTENANCE	2481	1782	496	2946	7705
S & I	118	108	5	147	378
LOSS (NON-RETMT)	45	35	11	50	141
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2944	3729	1023	4084	11780
RETIREMENT	681	521	146	1029	2377
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	681	521	146	1029	2377
SUBTOTAL, TOTAL COST	3625	4250	1169	5113	14157
ENLISTED COSTS:					
GAIN	967	547	403	599	2516
MAINTENANCE	9608	6812	2480	7056	25956
S & I	383	455	38	121	997
LOSS (NON-RETMT)	194	132	60	114	500
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11152	7946	2981	7890	32009
RETIREMENT	1460	899	219	1544	4122
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1460	899	219	1544	4122
SUBTOTAL, TOTAL COST	12612	8845	3200	9434	36131
TOTAL (OFF+ENL) COSTS:					
GAIN	1267	2351	914	1540	6072
MAINTENANCE	12089	8594	2976	10002	33661
S & I	501	563	43	268	1375
LOSS (NON-RETMT)	239	167	71	164	641
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14096	11675	4004	11974	43789
RETIREMENT	2141	1420	365	2573	6499
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2141	1420	365	2573	6499
SUBTOTAL, TOTAL COST	16237	13095	4369	14547	50288

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 39

RETMT OPTION: COLA LIFE/0%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	307	1852	521	967	3647
MAINTENANCE	2454	1763	492	2919	7628
S & I	117	107	5	146	375
LOSS (NON-RETMT)	47	36	11	51	145
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2925	3758	1029	4083	11795
RETIREMENT	548	426	119	842	1935
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	548	426	119	842	1935
SUBTOTAL, TOTAL COST	3473	4184	1148	4925	13730
ENLISTED COSTS:					
GAIN	982	554	409	608	2553
MAINTENANCE	9546	6773	2461	7018	25798
S & I	385	448	36	121	990
LOSS (NON-RETMT)	197	133	61	116	507
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11110	7908	2967	7863	31888
RETIREMENT	1149	710	165	1251	3275
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1149	710	165	1251	3275
SUBTOTAL, TOTAL COST	12259	8618	3132	9114	35163
TOTAL (OFF+ENL) COSTS:					
GAIN	1289	2406	930	1575	6200
MAINTENANCE	12000	8536	2953	9937	33426
S & I	502	555	41	267	1365
LOSS (NON-RETMT)	244	169	72	167	652
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14035	11666	3996	11946	43683
RETIREMENT	1697	1136	284	2093	5210
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1697	1136	284	2093	5210
SUBTOTAL, TOTAL COST	15732	12802	4280	14039	48893

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

ATCH 3

REFERENCE NUMBER: 40

RETMT OPTION: COLA 62/75% + 3% PEN
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	289	1737	491	899	3416
MAINTENANCE	2523	1821	505	3012	7861
S & I	90	166	11	184	451
LOSS (NON-RETMT)	44	34	10	47	135
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2946	3758	1017	4142	11863
RETIREMENT	939	717	200	1402	3258
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	939	717	200	1402	3258
SUBTOTAL, TOTAL COST	3885	4475	1217	5544	15121
ENLISTED COSTS:					
GAIN	960	548	405	585	2498
MAINTENANCE	9667	6828	2480	7141	26116
S & I	382	452	37	122	993
LOSS (NON-RETMT)	192	132	61	111	496
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11201	7960	2983	7959	32143
RETIREMENT	1757	1106	263	1885	5011
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1757	1106	263	1885	5011
SUBTOTAL, TOTAL COST	12958	9066	3246	9844	37154
TOTAL (OFF+ENL) COSTS:					
GAIN	1249	2285	896	1484	5914
MAINTENANCE	12190	8649	2985	10153	33977
S & I	472	618	48	306	1444
LOSS (NON-RETMT)	236	166	71	158	631
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14147	11718	4000	12101	44006
RETIREMENT	2696	1823	463	3287	8269
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2696	1823	463	3287	8269
SUBTOTAL, TOTAL COST	16843	13541	4463	15388	52275

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 41

RETMT OPTION: COLA 62/75% + 3% PEN
EARLY W/D OPTION: 200(0)/300(E)--0--0
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	262	1578	457	822	3119
MAINTENANCE----------	2612	1877	515	3087	8091
S & I----------	91	175	12	188	466
LOSS (NON-RETMT)---------	40	31	9	43	123
**FIXED GAIN COST-------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	3005	3661	993	4140	11799
RETIREMENT----------	1036	767	206	1465	3474
EARLY WITHDRAWAL---------	111	89	22	166	388
SUBTOTAL, RETIREMENT---	1147	856	228	1631	3862
SUBTOTAL, TOTAL COST----	4152	4517	1221	5771	15661
ENLISTED COSTS:					
GAIN----------	871	501	365	547	2284
MAINTENANCE----------	10012	7056	2611	7292	26971
S & I----------	371	4	49	125	1040
LOSS (NON-RETMT)---------	174	12	55	104	454
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11428	8173	3080	8068	32789
RETIREMENT----------	2345	1476	425	2168	6414
EARLY WITHDRAWAL---------	562	314	102	538	1516
SUBTOTAL, RETIREMENT---	2907	1790	527	2706	7930
SUBTOTAL, TOTAL COST----	14335	9963	3607	10774	40719
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1133	2079	822	1369	5403
MAINTENANCE----------	12624	8933	3126	10379	35062
S & I----------	462	670	61	313	1506
LOSS (NON-RETMT)---------	214	152	64	147	577
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14433	11834	4073	12208	44588
RETIREMENT----------	3381	2243	631	3633	9888
EARLY WITHDRAWAL---------	673	403	124	704	1904
SUBTOTAL, RETIREMENT---	4054	2646	755	4337	11792
SUBTOTAL, TOTAL COST----	18487	14480	4828	16545	56380

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 42

RETMT OPTION: COLA 62/67% + 3% PEN
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	377	2149	631	1340	4497
MAINTENANCE	2641	1963	546	3212	8362
S & I	109	188	17	207	521
LOSS (NON-RETMT)	44	33	10	46	133
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	3171	4333	1204	4805	13513
RETIREMENT	1138	757	171	1375	3441
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1138	757	171	1375	3441
SUBTOTAL, TOTAL COST	4309	5090	1375	6180	16954
ENLISTED COSTS:					
GAIN	1627	767	588	788	3770
MAINTENANCE	9579	6704	2203	7286	25772
S & I	165	484	121	118	888
LOSS (NON-RETMT)	193	133	61	111	498
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11564	8088	2973	8303	32968
RETIREMENT	1819	1022	298	1716	4855
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1819	1022	298	1716	4855
SUBTOTAL, TOTAL COST	13383	9110	3271	10019	37823
TOTAL (OFF+ENL) COSTS:					
GAIN	2004	2916	1219	2128	8267
MAINTENANCE	12220	8667	2749	10498	34134
S & I	274	672	138	325	1409
LOSS (NON-RETMT)	237	166	71	157	631
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14735	12421	4177	13108	46481
RETIREMENT	2957	1779	469	3091	8296
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2957	1779	469	3091	8296
SUBTOTAL, TOTAL COST	17692	14200	4646	16199	54777

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 43

RETMT OPTION: HIGH 3
EARLY W/D OPTION: NONE
SOURCE: ACOL 8

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	266	1604	467	838	3175
MAINTENANCE	2594	1850	511	3063	8028
S & I	120	112	5	149	386
LOSS (NON-RETMT)	40	31	10	44	125
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	3020	3607	993	4094	11714
RETIREMENT	1487	1067	294	2077	4925
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1487	1067	294	2077	4925
SUBTOTAL, TOTAL COST	4507	4674	1287	6171	16639
ENLISTED COSTS:					
GAIN	894	511	374	558	2337
MAINTENANCE	9916	7900	2578	7250	26744
S & I	374	486	47	124	1031
LOSS (NON-RETMT)	179	123	55	106	464
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11363	8120	3055	8038	32616
RETIREMENT	3466	2099	598	3310	9473
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3466	2099	598	3310	9473
SUBTOTAL, TOTAL COST	14829	10219	3653	11348	42089
TOTAL (OFF+ENL) COSTS:					
GAIN	1160	2115	841	1396	5512
MAINTENANCE	12510	8850	3089	10313	34772
S & I	494	598	52	273	1417
LOSS (NON-RETMT)	219	154	66	150	589
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14383	11727	4048	12132	44330
RETIREMENT	4953	3166	892	5387	14398
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	4953	3166	892	5387	14398
SUBTOTAL, TOTAL COST	19336	14893	4940	17519	58728

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 44

RETMT OPTION: DEC 30% (1.75 MULT)
EARLY W/D OPTION: NONE
SOURCE: ACOL B

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	301	1810	512	944	3567
MAINTENANCE	2476	1778	495	2942	7691
S & I	118	108	5	147	378
LOSS (NON-RETMT)	46	35	11	50	142
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2941	3731	1023	4083	11778
RETIREMENT	853	658	186	1312	3019
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	863	658	186	1312	3019
SUBTOTAL, TOTAL COST	3804	4389	1209	5395	14797
ENLISTED COSTS:					
GAIN	967	546	403	600	2516
MAINTENANCE	9605	6811	2480	7050	25946
S & I	384	455	38	121	998
LOSS (NON-RETMT)	194	132	60	114	500
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11150	7944	2981	7885	32000
RETIREMENT	1892	1163	283	1994	5332
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1892	1163	283	1994	5332
SUBTOTAL, TOTAL COST	13042	9107	3264	9879	37332
TOTAL (OFF+ENL) COSTS:					
GAIN	1268	2356	915	1544	6083
MAINTENANCE	12081	8589	2975	9992	33637
S & I	502	563	43	268	1376
LOSS (NON-RETMT)	240	167	71	164	642
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14091	11675	4004	11968	43778
RETIREMENT	2755	1821	469	3306	8351
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2755	1821	469	3306	8351
SUBTOTAL, TOTAL COST	16846	13496	4473	15274	52129

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 45

RETMT OPTION: DEC 30% (1.75 MULT)
EARLY W/D OPTION: 210--60--100
SOURCE: ACOL B

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	258	1542	448	813	3061
MAINTENANCE	2617	1882	517	3081	8097
S & I	121	113	5	150	389
LOSS (NON-RETMT)	39	30	9	43	121
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	3035	3567	979	4087	11668
RETIREMENT	1028	764	211	1481	3484
EARLY WITHDRAWAL	171	136	32	238	577
SUBTOTAL, RETIREMENT	1199	900	243	1719	4061
SUBTOTAL, TOTAL COST	4234	4467	1222	5806	15729
ENLISTED COSTS:					
GAIN	865	504	366	538	2273
MAINTENANCE	10052	7060	2606	7375	27093
S & I	370	491	49	125	1035
LOSS (NON-RETMT)	173	121	55	103	452
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11460	8176	3076	8141	32893
RETIREMENT	2582	1527	441	2450	7000
EARLY WITHDRAWAL	455	252	82	448	1237
SUBTOTAL, RETIREMENT	3037	1779	523	2898	8237
SUBTOTAL, TOTAL COST	14497	9955	3599	11039	41130
TOTAL (OFF+ENL) COSTS:					
GAIN	1123	2046	814	1351	5334
MAINTENANCE	12669	8942	3123	10456	35190
S & I	491	604	54	275	1424
LOSS (NON-RETMT)	212	151	64	146	573
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14495	11743	4055	12228	44561
RETIREMENT	3610	2291	652	3931	10484
EARLY WITHDRAWAL	626	388	114	686	1814
SUBTOTAL, RETIREMENT	4236	2679	766	4617	12298
SUBTOTAL, TOTAL COST	18731	14422	4821	16845	56859

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 46

RETMT OPTION: 3% PEN
EARLY W/D OPTION: NONE
SOURCE: ACOL B

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	279	1664	477	870	3290
MAINTENANCE	2559	1849	510	3048	7966
S & I	119	109	5	147	380
LOSS (NON-RETMT)	42	32	10	46	130
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2999	3654	1002	4111	11766
RETIREMENT	1153	872	243	1693	3961
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1153	872	243	1693	3961
SUBTOTAL, TOTAL COST	4152	4526	1245	5804	15727
ENLISTED COSTS:					
GAIN	919	531	390	566	2406
MAINTENANCE	9846	6923	2527	7253	26549
S & I	377	466	41	123	1007
LOSS (NON-RETMT)	184	128	59	108	479
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11326	8048	3017	8050	32481
RETIREMENT	2430	1492	380	2469	6771
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2430	1492	380	2469	6771
SUBTOTAL, TOTAL COST	13756	9540	3397	10519	39252
TOTAL (OFF+ENL) COSTS:					
GAIN	1198	2195	867	1436	5696
MAINTENANCE	12405	8772	3037	10301	34515
S & I	496	575	46	270	1387
LOSS (NON-RETMT)	226	160	69	154	609
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14325	11702	4019	12161	44247
RETIREMENT	3583	2364	623	4162	10732
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3583	2364	623	4162	10732
SUBTOTAL, TOTAL COST	17908	14066	4642	16323	54979

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 47

RETMT OPTION: 3% PEN
EARLY W/D OPTION: 210--0--0
SOURCE: ACOL B

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	254	1514	443	794	3005
MAINTENANCE	2643	1902	520	3122	8187
S & I	121	113	5	149	388
LOSS (NON-RETMT)	39	30	9	42-	120
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	3057	3559	977	4107	11700
RETIREMENT	1294	961	262	1820	4337
EARLY WITHDRAWAL	122	97	24	179	422
SUBTOTAL, RETIREMENT---	1416	1058	286	1999	4759
SUBTOTAL, TOTAL COST---	4473	4617	1263	6106	16459
ENLISTED COSTS:					
GAIN	857	500	363	535	2255
MAINTENANCE	10091	7078	2620	7374	27163
S & I	369	494	49	125	1037
LOSS (NON-RETMT)	172	120	54	102	448
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11489	8192	3086	8136	32943
RETIREMENT	2947	1815	533	2735	8030
EARLY WITHDRAWAL	389	213	69	376	1047
SUBTOTAL, RETIREMENT---	3336	2028	602	3111	9077
SUBTOTAL, TOTAL COST---	14825	10220	3688	11247	42020
TOTAL (OFF+ENL) COSTS:					
GAIN	1111	2014	806	1329	5260
MAINTENANCE	12734	8980	3140	10496	35350
S & I	490	607	54	274	1425
LOSS (NON-RETMT)	211	150	63	144	568
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14546	11751	4063	12243	44643
RETIREMENT	4241	2776	795	4555	12367
EARLY WITHDRAWAL	511	310	93	555	1469
SUBTOTAL, RETIREMENT---	4752	3086	888	5110	13836
SUBTOTAL, TOTAL COST---	19298	14837	4951	17353	58479

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 48

RETMT OPTION: COLA 62/50%
EARLY W/D OPTION: NONE
SOURCE: ACOL B

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	287	1725	493	901	3406
MAINTENANCE	2526	1815	502	2994	7837
S & I	118	110	5	148	381
LOSS (NON-RETMT)	44	34	10	47	135
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2975	3684	1010	4090	11759
RETIREMENT	963	730	201	1424	3318
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	963	730	201	1424	3318
SUBTOTAL, TOTAL COST	3938	4414	1211	5514	15077
ENLISTED COSTS:					
GAIN	945	536	395	586	2462
MAINTENANCE	9700	6869	2508	7116	26193
S & I	381	464	41	122	1008
LOSS (NON-RETMT)	189	129	59	112	489
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11215	7998	3003	7936	32192
RETIREMENT	2042	1249	321	2090	5702
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2042	1249	321	2090	5702
SUBTOTAL, TOTAL COST	13257	9247	3324	10026	37894
TOTAL (OFF+ENL) COSTS:					
GAIN	1232	2261	888	1487	5868
MAINTENANCE	12226	8684	3010	10110	34030
S & I	499	574	46	270	1389
LOSS (NON-RETMT)	233	163	69	159	624
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14190	11682	4013	12026	43951
RETIREMENT	3005	1979	522	3514	9020
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3005	1979	522	3514	9020
SUBTOTAL, TOTAL COST	17195	13661	4535	15540	52971

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 49

RETMT OPTION: COLA 62/50%
EARLY W/D OPTION: 160-40-50
SOURCE: ACOL B

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	259	1550	451	813	3073
MAINTENANCE	2621	1881	516	3089	8107
S & I	120	113	5	150	388
LOSS (NON-RETMT)	39	30	9	43	121
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	3039	3574	981	4095	11689
RETIREMENT	1093	814	221	1560	3688
EARLY WITHDRAWAL	120	95	23	170	408
SUBTOTAL, RETIREMENT	1213	909	244	1730	4096
SUBTOTAL, TOTAL COST	4252	4483	1225	5825	15785
ENLISTED COSTS:					
GAIN	875	506	368	545	2294
MAINTENANCE	10001	7037	2600	7325	26963
S & I	372	490	48	125	1035
LOSS (NON-RETMT)	175	122	55	104	456
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11423	8155	3071	8099	32788
RETIREMENT	2546	1517	442	2423	6928
EARLY WITHDRAWAL	325	181	59	317	882
SUBTOTAL, RETIREMENT	2871	1698	501	2740	7810
SUBTOTAL, TOTAL COST	14294	9853	3572	10839	40598
TOTAL (OFF+ENL) COSTS:					
GAIN	1134	2056	819	1358	5367
MAINTENANCE	12622	8918	3116	10414	35070
S & I	492	603	53	275	1423
LOSS (NON-RETMT)	214	152	64	147	577
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14462	11729	4052	12194	44477
RETIREMENT	3639	2331	663	3983	10616
EARLY WITHDRAWAL	445	276	82	487	1290
SUBTOTAL, RETIREMENT	4084	2607	745	4470	11906
SUBTOTAL, TOTAL COST	18546	14336	4797	16664	56383

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

ATCH 3

REFERENCE NUMBER: 50

RETMT OPTION: COLA 62/75% + 3% PEN
EARLY W/D OPTION: NONE
SOURCE: ACOL B

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	288	1713	488	896	3385
MAINTENANCE	2524	1827	506	3013	7870
S & I	118	109	5	147	379
LOSS (NON-RETMT)	44	33	10	47	134
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2974	3682	1009	4103	11768
RETIREMENT	943	729	201	1410	3283
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	943	729	201	1410	3283
SUBTOTAL, TOTAL COST	3917	4411	1210	5513	15051
ENLISTED COSTS:					
GAIN	940	541	398	578	2457
MAINTENANCE	9745	6860	2497	7185	26287
S & I	380	458	39	122	999
LOSS (NON-RETMT)	188	130	60	110	488
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11253	7989	2994	7995	32271
RETIREMENT	1867	1146	278	1960	5251
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1867	1146	278	1960	5251
SUBTOTAL, TOTAL COST	13120	9135	3272	9955	37522
TOTAL (OFF+ENL) COSTS:					
GAIN	1228	2254	886	1474	5842
MAINTENANCE	12269	8687	3003	10198	34157
S & I	498	567	44	269	1378
LOSS (NON-RETMT)	232	163	70	157	622
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14227	11671	4003	12098	44039
RETIREMENT	2810	1875	479	3370	8534
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2810	1875	479	3370	8534
SUBTOTAL, TOTAL COST	17037	13546	4482	15468	52573

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 51

RETMT OPTION: COLA 62/75% + 3% PEN
EARLY W/D OPTION: 20O(O)/300(E)--0--0
SOURCE: ACOL B

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	262	1562	455	820	3099
MAINTENANCE----------	2612	1880	515	3087	8094
S & I----------	120	112	5	149	386
LOSS (NON-RETMT)---------	40	30	9	43	122
**FIXED GAIN COST-------	0	0	0	-0	0
SUBTOTAL, FORCE COSTS--	3034	3584	984	4099	11701
RETIREMENT----------	1075	803	218	1518	3614
EARLY WITHDRAWAL---------	112	90	22	166	390
SUBTOTAL, RETIREMENT---	1187	893	240	1684	4004
SUBTOTAL, TOTAL COST----	4221	4477	1224	5783	15705
ENLISTED COSTS:					
GAIN----------	852	498	360	534	2244
MAINTENANCE----------	10087	7074	2623	7353	27137
S & I----------	369	497	51	126	1043
LOSS (NON-RETMT)---------	170	120	54	102	446
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11478	8189	3088	8115	32910
RETIREMENT----------	2478	1526	452	2273	6729
EARLY WITHDRAWAL---------	575	316	104	548	1543
SUBTOTAL, RETIREMENT---	3053	1842	556	2821	8272
SUBTOTAL, TOTAL COST----	14531	10031	3644	10936	41182
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1114	2060	815	1354	5343
MAINTENANCE----------	12699	8954	3138	10440	35231
S & I----------	489	609	56	275	1429
LOSS (NON-RETMT)---------	210	150	63	145	568
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14512	11773	4072	12214	44611
RETIREMENT----------	3553	2329	670	3791	10343
EARLY WITHDRAWAL---------	687	406	126	714	1933
SUBTOTAL, RETIREMENT---	4240	2735	796	4505	12276
SUBTOTAL, TOTAL COST----	18752	14508	4868	16719	56887

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 52

RETMT OPTION: DEC 30% (1.75 MULT)
EARLY W/D OPTION: NONE
SOURCE: DMSM(ACOL B)

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	386	2205	649	1377	4617
MAINTENANCE	2608	1924	529	3129	8190
S & I	109	188	17	207	521
LOSS (NON-RETMT)	50	55	12	47	164
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	3153	4372	1207	4760	13492
RETIREMENT	1208	793	208	1310	3519
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1208	793	208	1310	3519
SUBTOTAL, TOTAL COST	4361	5165	1415	6070	17011
ENLISTED COSTS:					
GAIN	1631	764	584	801	3780
MAINTENANCE	9509	6715	2209	7197	25630
S & I	165	484	121	118	888
LOSS (NON-RETMT)	194	132	61	113	500
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	11499	8095	2975	8229	30798
RETIREMENT	2114	1280	381	1922	5697
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2114	1280	381	1922	5697
SUBTOTAL, TOTAL COST	13613	9375	3356	10151	36495
TOTAL (OFF+ENL) COSTS:					
GAIN	2017	2969	1233	2178	8397
MAINTENANCE	12117	8639	2738	10326	33820
S & I	274	672	138	325	1409
LOSS (NON-RETMT)	244	187	73	160	664
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	14652	12467	4182	12989	44290
RETIREMENT	3322	2073	589	3232	9216
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3322	2073	589	3232	9216
SUBTOTAL, TOTAL COST	17974	14540	4771	16221	53506

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

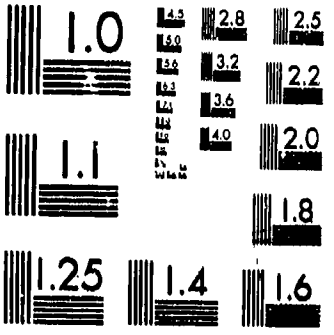
REFERENCE NUMBER: 53

RETMT OPTION: DEC 30% (1.75 MULT)
EARLY W/D OPTION: 210-60-100
SOURCE: DMSM(ACOL B)

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	344	1939	583	1245	4111
MAINTENANCE	2766	2029	547	3257	8599
S & I	109	188	17	207	521
LOSS (NON-RETMT)	45	48	11	42	146
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	3264	4204	1158	4751	13377
RETIREMENT	1367	863	222	1398	3850
EARLY WITHDRAWAL	177	138	33	238	586
SUBTOTAL, RETIREMENT	1544	1001	255	1636	4436
SUBTOTAL, TOTAL COST	4808	5205	1413	6387	17813
ENLISTED COSTS:					
GAIN	1509	721	547	739	3516
MAINTENANCE	9953	7003	2339	7488	26783
S & I	165	484	121	118	888
LOSS (NON-RETMT)	177	124	57	104	462
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	11804	8332	3064	8449	31649
RETIREMENT	2626	1591	492	2239	6948
EARLY WITHDRAWAL	451	264	84	456	1255
SUBTOTAL, RETIREMENT	3077	1855	576	2695	8203
SUBTOTAL, TOTAL COST	14881	10187	3640	11144	39852
TOTAL (OFF+ENL) COSTS:					
GAIN	1853	2660	1130	1984	7627
MAINTENANCE	12719	9032	2886	10745	35382
S & I	274	672	138	325	1409
LOSS (NON-RETMT)	222	172	68	146	608
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	15068	12536	4222	13200	45026
RETIREMENT	3993	2454	714	3637	10798
EARLY WITHDRAWAL	628	402	117	694	1841
SUBTOTAL, RETIREMENT	4621	2856	831	4331	12639
SUBTOTAL, TOTAL COST	19689	15392	5053	17531	57665

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

REFERENCE NUMBER: 54

RETMT OPTION: 3% PEN
EARLY W/D OPTION: NONE
SOURCE: DMSM(ACOL B)

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	365	2061	613	1302	4341
MAINTENANCE----------	2689	1991	539	3215	8434
S & I----------	109	188	17	207	521
LOSS (NON-RETMT)---------	48	52	12	47	159
**FIXED GAIN COST--------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	3211	4292	1181	4771	13455
RETIREMENT----------	1357	912	236	1598	4103
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	1357	912	236	1598	4103
SUBTOTAL, TOTAL COST----	4568	5204	1417	6369	17558
ENLISTED COSTS:					
GAIN----------	1573	748	571	767	3659
MAINTENANCE----------	9745	6824	2262	7394	26225
S & I----------	164	484	121	118	887
LOSS (NON-RETMT)---------	186	130	59	107	482
**FIXED GAIN COST--------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	11668	8186	3013	8386	31253
RETIREMENT----------	2467	1418	445	2261	6591
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	2467	1418	445	2261	6591
SUBTOTAL, TOTAL COST----	14135	9604	3458	10647	37844
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1938	2809	1184	2069	8000
MAINTENANCE----------	12434	8815	2301	10609	34659
S & I----------	273	672	138	325	1408
LOSS (NON-RETMT)---------	234	182	71	154	641
**FIXED GAIN COST--------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	14879	12478	4194	13157	44708
RETIREMENT----------	3824	2330	681	3859	10694
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	3824	2330	681	3859	10694
SUBTOTAL, TOTAL COST----	18703	14808	4875	17016	55402

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 55

RETMT OPTION: 3% PEN
EARLY W/D OPTION: 210--0--0
SOURCE: DMSM(ACOL B)

COSTS IN $ MILLIONS
****

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	340	1911	578	1226	4055
MAINTENANCE----------	2788	2045	548	3291	8672
S & I----------	109	188	17	207	521
LOSS (NON-RETMT)---------	44	47	11	44	146
**FIXED GAIN COST-------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	3281	4191	1154	4768	13394
RETIREMENT----------	1515	976	248	1698	4437
EARLY WITHDRAWAL---------	126	99	25	189	439
SUBTOTAL, RETIREMENT---	1641	1075	273	1887	4876
SUBTOTAL, TOTAL COST----	4922	5266	1427	6655	18270
ENLISTED COSTS:					
GAIN----------	1499	718	544	736	3497
MAINTENANCE----------	10000	6995	2353	7502	26850
S & I----------	165	484	121	118	888
LOSS (NON-RETMT)---------	176	123	57	103	459
**FIXED GAIN COST-------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	11840	8320	3075	8459	31694
RETIREMENT----------	2873	1673	552	2456	7554
EARLY WITHDRAWAL---------	390	216	70	381	1057
SUBTOTAL, RETIREMENT---	3263	1889	622	2837	8611
SUBTOTAL, TOTAL COST----	15103	10209	3697	11296	40305
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1839	2629	1122	1962	7552
MAINTENANCE----------	12788	9040	2901	10793	35522
S & I----------	274	672	138	325	1409
LOSS (NON-RETMT)---------	220	170	68	147	605
**FIXED GAIN COST-------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	15121	12511	4229	13227	45088
RETIREMENT----------	4388	2649	800	4154	11991
EARLY WITHDRAWAL---------	516	315	95	570	1496
SUBTOTAL, RETIREMENT---	4904	2964	895	4724	13487
SUBTOTAL, TOTAL COST----	20025	15475	5124	17951	58575

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 56

RETMT OPTION: COLA 62/50%
EARLY W/D OPTION: NONE
SOURCE: DMSM(ACOL B)

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	373	2121	629	1333	4456
MAINTENANCE	2656	1960	533	3170	8319
S & I	109	188	17	207	521
LOSS (NON-RETMT)	48	52	12	45	157
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	3186	4321	1191	4755	13453
RETIREMENT	1284	851	218	1368	3731
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1284	861	218	1368	3731
SUBTOTAL, TOTAL COST	4470	5182	1409	6123	17184
ENLISTED COSTS:					
GAIN	1604	753	575	787	3719
MAINTENANCE	9603	6779	2233	7266	25881
S & I	165	484	121	118	888
LOSS (NON-RETMT)	190	130	60	111	491
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	11562	8146	2989	8282	30979
RETIREMENT	2087	1292	341	1991	5711
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2087	1292	341	1991	5711
SUBTOTAL, TOTAL COST	13649	9438	3330	10273	36690
TOTAL (OFF+ENL) COSTS:					
GAIN	1977	2874	1204	2120	8175
MAINTENANCE	12259	8739	2766	10436	34200
S & I	274	672	138	325	1409
LOSS (NON-RETMT)	238	182	72	156	648
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	14748	12467	4180	13037	44432
RETIREMENT	3371	2153	559	3359	9442
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3371	2153	559	3359	9442
SUBTOTAL, TOTAL COST	18119	14620	4739	16396	53874

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 57

RETMT OPTION: COLA 62/50%
EARLY W/D OPTION: 160--40--50
SOURCE: DMSM(ACOL B)

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	345	1947	586	1245	4123
MAINTENANCE----------	2766	2026	546	3255	8593
S & I----------	109	188	17	207	521
LOSS (NON-RETMT)---------	45	48	11	42	146
**FIXED GAIN COST-------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	3265	4209	1160	4749	13383
RETIREMENT----------	1419	918	232	1446	4015
EARLY WITHDRAWAL---------	125	98	23	172	418
SUBTOTAL, RETIREMENT---	1544	1016	255	1618	4433
SUBTOTAL, TOTAL COST----	4809	5225	1415	6367	17816
ENLISTED COSTS:					
GAIN----------	1520	723	549	746	3538
MAINTENANCE----------	9929	6975	2333	7448	26685
S & I----------	165	484	121	118	888
LOSS (NON-RETMT)---------	179	124	57	105	465
**FIXED GAIN COST-------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	11793	8306	3060	8417	31576
RETIREMENT----------	2522	1534	444	2227	6727
EARLY WITHDRAWAL---------	325	189	60	327	901
SUBTOTAL, RETIREMENT---	2847	1723	504	2554	7628
SUBTOTAL, TOTAL COST----	14640	10029	3564	10971	39204
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1865	2670	1135	1991	7661
MAINTENANCE----------	12695	9001	2879	10703	35278
S & I----------	274	672	138	325	1409
LOSS (NON-RETMT)---------	224	172	68	147	611
**FIXED GAIN COST-------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	15058	12515	4220	13166	44959
RETIREMENT----------	3941	2452	676	3573	10742
EARLY WITHDRAWAL---------	450	287	83	499	1319
SUBTOTAL, RETIREMENT---	4391	2739	759	4172	12061
SUBTOTAL, TOTAL COST----	19449	15254	4979	17338	57020

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 58

RETMT OPTION: COLA 62/75% + 3% PEN
EARLY W/D OPTION: NONE
SOURCE: DMSM(ACOL B)

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	374	2109	624	1329	4436
MAINTENANCE	2653	1971	535	3173	8332
S & I	109	188	17	207	521
LOSS (NON-RETMT)	49	53	12	45	159
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	3185	4321	1188	4754	13448
RETIREMENT	1159	776	196	1217	3348
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1159	776	196	1217	3348
SUBTOTAL, TOTAL COST	4344	5097	1384	5971	16796
ENLISTED COSTS:					
GAIN	1598	758	579	779	3714
MAINTENANCE	9633	6756	2230	7328	25947
S & I	165	484	121	118	888
LOSS (NON-RETMT)	190	131	60	109	490
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	11586	8129	2990	8334	31039
RETIREMENT	1850	1075	319	1754	4998
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1850	1075	319	1754	4998
SUBTOTAL, TOTAL COST	13436	9204	3309	10088	36037
TOTAL (OFF+ENL) COSTS:					
GAIN	1972	2867	1203	2108	8150
MAINTENANCE	12286	8727	2765	10501	34279
S & I	274	672	138	325	1409
LOSS (NON-RETMT)	239	184	72	154	649
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	14771	12450	4178	13088	44487
RETIREMENT	3009	1851	515	2971	8346
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3009	1851	515	2971	8346
SUBTOTAL, TOTAL COST	17780	14301	4693	16059	52833

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 59

RETMT OPTION: COLA 62/75% + 3% PEN
EARLY W/D OPTION: 20(O)/30(E)--0--0
SOURCE: DMSM(ACOL B)

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	347	1959	590	1252	4148
MAINTENANCE----------	2758	2023	544	3245	8570
S & I----------	109	188	17	207	521
LOSS (NON-RETMT)---------	45	48	11	42	146
**FIXED GAIN COST--------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	3259	4218	1162	4746	13385
RETIREMENT----------	1341	856	214	1326	3737
EARLY WITHDRAWAL---------	115	92	23	176	406
SUBTOTAL, RETIREMENT---	1456	948	237	1502	4143
SUBTOTAL, TOTAL COST----	4715	5166	1399	6248	17528
ENLISTED COSTS:					
GAIN----------	1493	715	541	735	3484
MAINTENANCE----------	9984	6992	2357	7486	26819
S & I----------	165	484	121	118	888
LOSS (NON-RETMT)---------	175	123	56	103	457
**FIXED GAIN COST--------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	11817	8314	3075	8442	31648
RETIREMENT----------	2435	1431	468	2088	6422
EARLY WITHDRAWAL---------	578	320	106	556	1560
SUBTOTAL, RETIREMENT---	3013	1751	574	2644	7982
SUBTOTAL, TOTAL COST----	14830	10065	3649	11086	39630
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1840	2674	1131	1987	7632
MAINTENANCE----------	12742	9015	2901	10731	35389
S & I----------	274	672	138	325	1409
LOSS (NON-RETMT)---------	220	171	67	145	603
**FIXED GAIN COST--------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	15076	12532	4237	13188	45033
RETIREMENT----------	3776	2287	682	3414	10159
EARLY WITHDRAWAL---------	693	412	129	732	1966
SUBTOTAL, RETIREMENT---	4469	2699	811	4146	12125
SUBTOTAL, TOTAL COST----	19545	15231	5048	17334	57158

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 60

RETMT OPTION: SS OFFSET=1.25%/YR
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	275	1658	476	86:	3270
MAINTENANCE	2577	1852	510	3056	7995
S & I	90	171	11	186	458
LOSS (NON-RETMT)	42	32	10	45	129
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2984	3713	1007	4148	11852
RETIREMENT	973	786	198	1467	3424
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	973	786	198	1467	3424
SUBTOTAL, TOTAL COST	3957	4499	1205	5615	15276
ENLISTED COSTS:					
GAIN	928	528	389	572	2417
MAINTENANCE	9805	6934	2537	7210	26486
S & I	378	470	42	122	1012
LOSS (NON-RETMT)	186	127	58	109	480
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11297	8059	3026	8013	32435
RETIREMENT	2686	1393	403	2804	7286
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2686	1393	403	2804	7286
SUBTOTAL, TOTAL COST	13983	9452	3429	10817	39721
TOTAL (OFF+ENL) COSTS:					
GAIN	1203	2186	865	1433	5687
MAINTENANCE	12382	8786	3047	10266	34481
S & I	468	641	53	308	1470
LOSS (NON-RETMT)	228	159	68	154	609
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14281	11772	4033	12161	44287
RETIREMENT	3659	2179	601	4271	10710
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3659	2179	601	4271	10710
SUBTOTAL, TOTAL COST	17940	13951	4634	16432	54997

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 61

RETMT OPTION: VEST 22,BEFORE SHIFT
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	269	1557	443	799	3068
MAINTENANCE	2607	1908	530	3162	8207
S & I	91	173	17	189	464
LOSS (NON-RETMT)	41	30	9	42	122
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	3008	3668	993	4192	11861
RETIREMENT	1356	1058	295	2111	4820
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1356	1058	295	2111	4820
SUBTOTAL, TOTAL COST	4364	4726	1288	6303	16681
ENLISTED COSTS:					
GAIN	892	513	378	544	2327
MAINTENANCE	10070	7062	2583	7431	27146
S & I	370	480	43	121	1014
LOSS (NON-RETMT)	179	123	57	104	463
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11511	8178	3061	8200	32990
RETIREMENT	3405	2059	569	3411	9444
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3405	2059	569	3411	9444
SUBTOTAL, TOTAL COST	14916	10237	3630	11611	42434
TOTAL (OFF+ENL) COSTS:					
GAIN	1161	2070	821	1343	5395
MAINTENANCE	12677	8970	3113	10593	35353
S & I	461	653	54	310	1478
LOSS (NON-RETMT)	220	153	66	146	585
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14519	11846	4054	12392	44851
RETIREMENT	4761	3117	864	5522	14264
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	4761	3117	864	5522	14264
SUBTOTAL, TOTAL COST	19280	14963	4918	17914	59115

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 62

RETMT OPTION: VEST 24,BEFORE SHIFT
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	274	1561	438	793	3066
MAINTENANCE	2587	1915	535	3190	8227
S & I	91	171	11	188	461
LOSS (NON-RETMT)	41	30	9	42	122
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2993	3677	993	4213	11876
RETIREMENT	1279	1039	297	2093	4708
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1279	1039	297	2093	4708
SUBTOTAL, TOTAL COST	4272	4716	1290	6306	16584
ENLISTED COSTS:					
GAIN	879	514	380	527	2300
MAINTENANCE	10268	7121	2600	7646	27635
S & I	365	475	41	119	1000
LOSS (NON-RETMT)	176	124	57	100	457
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11688	8234	3078	8392	33432
RETIREMENT	3539	2025	531	3621	9716
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3539	2025	531	3621	9716
SUBTOTAL, TOTAL COST	15227	10259	3609	12013	43148
TOTAL (OFF+ENL) COSTS:					
GAIN	1153	2075	818	1320	5366
MAINTENANCE	12855	9036	3135	10836	35862
S & I	456	646	52	307	1461
LOSS (NON-RETMT)	217	154	66	142	579
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14681	11911	4071	12605	45308
RETIREMENT	4818	3064	828	5714	14424
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	4818	3064	828	5714	14424
SUBTOTAL, TOTAL COST	19499	14975	4899	18319	59732

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 63

RETMT OPTION: VEST 30,BEFORE SHIFT
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS
****

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	297	1680	460	835	3272
MAINTENANCE----------	2468	1864	527	3160	8019
S & I----------	90	163	11	182	446
LOSS (NON-RETMT)--------	45	33	10	44	132
**FIXED GAIN COST--------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	2900	3740	1008	4221	11869
RETIREMENT----------	1014	895	264	1850	4023
EARLY WITHDRAWAL--------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	1014	895	264	1850	4023
SUBTOTAL, TOTAL COST----	3914	4535	1272	6071	15892
ENLISTED COSTS:					
GAIN----------	909	527	339	526	2301
MAINTENANCE----------	10173	7093	2522	7787	27575
S & I----------	370	462	37	119	988
LOSS (NON-RETMT)--------	182	127	60	100	469
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11634	8209	2958	8532	33373
RETIREMENT----------	3109	1827	359	3595	8890
EARLY WITHDRAWAL--------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	3109	1827	359	3595	8890
SUBTOTAL, TOTAL COST----	14743	10036	3317	12127	42263
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1206	2207	799	1361	5573
MAINTENANCE----------	12641	8957	3049	10947	35594
S & I----------	460	625	48	301	1434
LOSS (NON-RETMT)--------	227	160	70	144	601
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14534	11949	3966	12753	45242
RETIREMENT----------	4123	2722	623	5445	12913
EARLY WITHDRAWAL--------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	4123	2722	623	5445	12913
SUBTOTAL, TOTAL COST----	18657	14671	4589	18198	58155

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 64

RETMT OPTION: VEST 22,AFTER SHIFT
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS
****

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	297	1836	512	923	3568
MAINTENANCE----------	2490	1774	496	2975	7735
S & I----------	89	161	11	183	444
LOSS (NON-RETMT)---------	45	36	11	49	141
**FIXED GAIN COST-------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	2921	3807	1030	4130	11888
RETIREMENT----------	969	722	209	1508	3408
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	969	722	209	1508	3408
SUBTOTAL, TOTAL COST----	3890	4529	1239	5638	15296
ENLISTED COSTS:					
GAIN----------	973	567	407	614	2561
MAINTENANCE----------	9560	6713	2462	6997	25732
S & I----------	385	432	35	121	973
LOSS (NON-RETMT)---------	195	136	61	117	509
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11113	7848	2965	7849	31815
RETIREMENT----------	1779	1007	260	1947	4993
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	1779	1007	260	1947	4993
SUBTOTAL, TOTAL COST----	12892	8855	3225	9796	36808
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1270	2403	919	1537	6129
MAINTENANCE----------	12050	8487	2958	9972	33467
S & I----------	474	593	46	304	1417
LOSS (NON-RETMT)---------	240	172	72	166	650
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14034	11655	3995	11979	43703
RETIREMENT----------	2748	1729	469	3455	8401
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	2748	1729	469	3455	8401
SUBTOTAL, TOTAL COST----	16782	13384	4464	15434	52104

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 65

RETMT OPTION: VEST 24,AFTER SHIFT
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS
****

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	300	1997	537	994	3828
MAINTENANCE----------	2498	1699	485	2881	7563
S & I----------	89	152	10	179	430
LOSS (NON-RETMT)---------	45	39	11	52	147
**FIXED GAIN COST--------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	2932	3887	1043	4106	11968
RETIREMENT----------	916	581	189	1343	3029
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	916	581	189	1343	3029
SUBTOTAL, TOTAL COST----	3848	4468	1232	5449	14997
ENLISTED COSTS:					
GAIN----------	1013	585	419	641	2658
MAINTENANCE----------	9374	6612	2419	6877	25282
S & I----------	392	417	32	122	963
LOSS (NON-RETMT)---------	203	141	63	122	529
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	10982	7755	2933	7762	31472
RETIREMENT----------	1128	625	150	1415	3318
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	1128	625	150	1415	3318
SUBTOTAL, TOTAL COST----	12110	8380	3083	9177	34790
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1313	2582	956	1635	6486
MAINTENANCE----------	11872	8311	2904	9758	32845
S & I----------	481	569	42	301	1393
LOSS (NON-RETMT)---------	248	180	74	174	676
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	13914	11642	3976	11868	43440
RETIREMENT----------	2044	1206	339	2758	6347
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	2044	1206	339	2758	6347
SUBTOTAL, TOTAL COST----	15958	12848	4315	14626	49787

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 66

RETMT OPTION: VEST 30,AFTER SHIFT
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	336	2266	591	1134	4327
MAINTENANCE	2358	1590	466	2706	7120
S & I	87	139	9	172	407
LOSS (NON-RETMT)	51	44	12	60	167
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2832	4039	1078	4072	12021
RETIREMENT	593	368	136	972	2069
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	593	368	136	972	2069
SUBTOTAL, TOTAL COST	3425	4407	1214	5044	14090
ENLISTED COSTS:					
GAIN	1040	598	433	658	2729
MAINTENANCE	9262	6542	2377	6812	24993
S & I	395	405	28	121	949
LOSS (NON-RETMT)	208	144	65	125	542
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	10905	7689	2903	7716	31253
RETIREMENT	727	355	85	1099	2266
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	727	355	85	1099	2266
SUBTOTAL, TOTAL COST	11632	8044	2988	8815	33519
TOTAL (OFF+ENL) COSTS:					
GAIN	1376	2864	1024	1792	7056
MAINTENANCE	11620	8132	2843	9518	32113
S & I	482	544	37	293	1356
LOSS (NON-RETMT)	259	188	77	185	709
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	13737	11728	3981	11788	43274
RETIREMENT	1320	723	221	2071	4335
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1320	723	221	2071	4335
SUBTOTAL, TOTAL COST	15057	12451	4202	13859	47609

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 57

RETMT OPTION: RMA
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	280	1666	478	871	3295
MAINTENANCE----------	2550	1842	509	3039	7940
S & I----------	119	110	5	147	381
LOSS (NON-RETMT)--------	42	32	10	46	130
**FIXED GAIN COST--------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	2991	3650	1002	4103	11746
RETIREMENT----------	1151	860	240	1755	4006
EARLY WITHDRAWAL--------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	1151	860	240	1755	4006
SUBTOTAL, TOTAL COST----	4142	4510	1242	5858	15752
ENLISTED COSTS:					
GAIN----------	916	528	387	566	2397
MAINTENANCE----------	9832	6929	2536	7236	26533
S & I----------	377	470	42	123	1012
LOSS (NON-RETMT)--------	183	127	58	108	476
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11308	8054	3023	8033	32458
RETIREMENT----------	2706	1627	393	2818	7544
EARLY WITHDRAWAL--------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	2706	1627	393	2818	7544
SUBTOTAL, TOTAL COST----	14014	9681	3416	10851	40002
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1196	2194	865	1437	5692
MAINTENANCE----------	12382	8771	3045	10275	34473
S & I----------	496	580	47	270	1393
LOSS (NON-RETMT)--------	225	159	68	154	606
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14299	11704	4025	12136	44204
RETIREMENT----------	3857	2487	633	4573	11550
EARLY WITHDRAWAL--------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	3857	2487	633	4573	11550
SUBTOTAL, TOTAL COST----	18156	14191	4658	16709	55754

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 68

RETMT OPTION: USRBA W/O LOAN
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN	285	1689	482	882	3338
MAINTENANCE	2532	1835	508	3027	7902
S & I	119	109	5	147	380
LOSS (NON-RETMT)	43	33	10	46	132
**FIXED GAIN COST	0	0	0	0	0
SUBTOTAL, FORCE COSTS	2979	3666	1005	4102	11752
RETIREMENT	1107	832	236	1724	3899
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	1107	832	236	1724	3899
SUBTOTAL, TOTAL COST	4086	4498	1241	5826	15651
ENLISTED COSTS:					
GAIN	919	527	387	568	2401
MAINTENANCE	9822	6932	2538	7221	26513
S & I	377	471	42	123	1013
LOSS (NON-RETMT)	184	127	58	108	477
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	11302	8057	3025	8020	32444
RETIREMENT	2806	1729	414	2890	7839
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	2806	1729	414	2890	7839
SUBTOTAL, TOTAL COST	14108	9786	3439	10910	40283
TOTAL (OFF+ENL) COSTS:					
GAIN	1204	2216	869	1450	5739
MAINTENANCE	12354	8767	3046	10248	34415
S & I	496	580	47	270	1393
LOSS (NON-RETMT)	227	160	68	154	609
**FIXED GAIN COST	0	0	0	0	2040
SUBTOTAL, FORCE COSTS	14281	11723	4030	12122	44196
RETIREMENT	3913	2561	650	4614	11738
EARLY WITHDRAWAL	0	0	0	0	0
SUBTOTAL, RETIREMENT	3913	2561	650	4614	11738
SUBTOTAL, TOTAL COST	18194	14284	4680	16736	55934

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 69

RETMT OPTION: USRBA WITH LOAN
EARLY W/D OPTION: LOAN OPTION
SOURCE: ACOL A

COSTS IN $ MILLIONS
****

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	262	1557	453	816	3088
MAINTENANCE----------	2610	1881	516	3093	8100
S & I----------	120	112	5	149	386
LOSS (NON-RETMT)--------	40	30	9	43	122
**FIXED GAIN COST-------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	3032	3580	983	4101	11696
RETIREMENT----------	1271	927	255	1863	4316
EARLY WITHDRAWAL--------	91	75	19	138	323
SUBTOTAL, RETIREMENT---	1362	1002	274	2001	4639
SUBTOTAL, TOTAL COST----	4394	4582	1257	6102	16335
ENLISTED COSTS:					
GAIN----------	875	507	369	544	2295
MAINTENANCE----------	10000	7035	2597	7325	26957
S & I----------	372	488	47	125	1032
LOSS (NON-RETMT)--------	175	122	55	104	456
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11422	8152	3068	8178	32780
RETIREMENT----------	3072	1862	502	2994	8430
EARLY WITHDRAWAL--------	296	164	51	292	803
SUBTOTAL, RETIREMENT---	3368	2026	553	3286	9233
SUBTOTAL, TOTAL COST----	14790	10178	3621	11384	42013
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1137	2064	822	1360	5383
MAINTENANCE----------	12610	8916	3113	10418	35057
S & I----------	492	600	52	274	1418
LOSS (NON-RETMT)--------	215	152	64	147	578
**FIXED GAIN COST-------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14454	11732	4051	12199	44476
RETIREMENT----------	4343	2789	757	4857	12746
EARLY WITHDRAWAL--------	387	239	70	430	1126
SUBTOTAL, RETIREMENT---	4730	3028	827	5287	13872
SUBTOTAL, TOTAL COST----	19184	14760	4878	17486	58348

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 70

RETMT OPTION: PPSSCC OSD 24B
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	310	1811	498	924	3543
MAINTENANCE----------	2418	1789	505	2989	7701
S & I----------	89	162	11	182	444
LOSS (NON-RETMT)---------	47	35	10	49	141
**FIXED GAIN COST--------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	2864	3797	1024	4144	11829
RETIREMENT----------	308	375	104	689	1476
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	308	375	104	689	1476
SUBTOTAL, TOTAL COST----	3172	4172	1128	4833	13305
ENLISTED COSTS:					
GAIN----------	980	559	419	590	2548
MAINTENANCE----------	9578	6769	2430	7132	25909
S & I----------	385	442	33	122	982
LOSS (NON-RETMT)---------	196	135	63	113	507
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11139	7905	2945	7957	31986
RETIREMENT----------	678	401	75	835	1989
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	678	401	75	835	1989
SUBTOTAL, TOTAL COST----	11817	8306	3020	8792	33975
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1290	2370	917	1514	6091
MAINTENANCE----------	11996	8558	2935	10121	33610
S & I----------	474	604	44	304	1426
LOSS (NON-RETMT)---------	243	170	73	162	648
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	14003	11702	3969	12101	43815
RETIREMENT----------	986	776	179	1524	3465
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	986	776	179	1524	3465
SUBTOTAL, TOTAL COST----	14989	12478	4148	13625	47280

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

REFERENCE NUMBER: 71

RETMT OPTION: PPSSCC USAF 1.9%
EARLY W/D OPTION: NONE
SOURCE: ACOL A

COSTS IN $ MILLIONS

SERVICE:	ARMY	NAVY	MARINE CORPS	AIR FORCE	DOD
OFFICER COSTS:					
GAIN----------	339	2029	544	1027	3939
MAINTENANCE----------	2334	1704	489	2880	7407
S & I----------	87	153	10	177	427
LOSS (NON-RETMT)---------	51	40	11	54	156
**FIXED GAIN COST--------	0	0	0	0	0
SUBTOTAL, FORCE COSTS--	2811	3926	1054	4138	11929
RETIREMENT----------	240	232	76	525	1073
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	240	232	76	525	1073
SUBTOTAL, TOTAL COST----	3051	4158	1130	4663	13002
ENLISTED COSTS:					
GAIN----------	998	566	431	600	2595
MAINTENANCE----------	9493	6728	2398	7097	25716
S & I----------	387	437	29	122	975
LOSS (NON-RETMT)---------	200	136	65	114	515
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	11078	7867	2923	7933	31841
RETIREMENT----------	652	401	61	911	2025
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	652	401	61	911	2025
SUBTOTAL, TOTAL COST----	11730	8268	2984	8844	33866
TOTAL (OFF+ENL) COSTS:					
GAIN----------	1337	2595	975	1627	6534
MAINTENANCE----------	11827	8432	2887	9977	33123
S & I----------	474	590	39	299	1402
LOSS (NON-RETMT)---------	251	176	76	168	671
**FIXED GAIN COST--------	0	0	0	0	2040
SUBTOTAL, FORCE COSTS--	13889	11793	3977	12071	43770
RETIREMENT----------	892	633	137	1436	3098
EARLY WITHDRAWAL---------	0	0	0	0	0
SUBTOTAL, RETIREMENT---	892	633	137	1436	3098
SUBTOTAL, TOTAL COST----	14781	12426	4114	13507	46868

NOTE: ON ALL ACOL RUNS, THE SERVICE TOTALS DO NOT INCLUDE FIXED GAIN COSTS; THE AMOUNT FOR FIXED GAIN COSTS, IF ANY, INCLUDES OFFICER COSTS AS WELL.

SERVICE: ARMY COMMUNITY: OFF

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	266	2594	120	40	0	3020	1487	0	1487	4507
3	HIGH 3	NONE	ACOL A	269	2589	91	41	0	2990	1428	0	1428	4418
4	DEC 10%	NONE	ACOL A	279	2552	90	42	0	2963	1234	0	1234	4197
5	DEC 20%	NONE	ACOL A	290	2515	90	44	0	2939	1046	0	1046	3985
6	DEC 20%	150--30--70	ACOL A	264	2599	91	40	0	2994	1160	113	1273	4267
7	DEC 30%	NONE	ACOL A	301	2475	89	46	0	2911	862	0	862	3773
8	DEC 30%	210--0--0	ACOL A	272	2554	91	41	0	2958	1003	124	1127	4085
9	DEC 30%	210--60--100	ACOL A	259	2617	92	39	0	3007	1025	171	1196	4203
10	DEC 40%	NONE	ACOL A	313	2435	88	47	0	2883	688	0	688	3571
11	DEC 50%	NONE	ACOL A	325	2397	88	49	0	2859	528	0	528	3387
12	1% PENALTY	NONE	ACOL A	274	2579	91	39	0	2983	1320	0	1320	4303
13	1% PEN	90--0--0	ACOL A	263	2610	91	37	0	3001	1386	52	1438	4439
14	2% PEN	NONE	ACOL A	277	2570	90	42	0	2979	1228	0	1228	4207
15	2% PEN	150--0--0	ACOL A	259	2625	91	39	0	3014	1331	87	1418	4432
16	3% PEN	NONE	ACOL A	280	2559	90	43	0	2972	1147	0	1147	4119
17	3% PEN	210--0--0	ACOL A	255	2642	92	39	0	3028	1288	122	1410	4438
18	4% PEN	NONE	ACOL A	283	2544	90	43	0	2960	975	0	975	3935
19	4% PEN	270--0--0	ACOL A	250	2661	92	38	0	3041	1250	157	1407	4448
20	5% PEN	NONE	ACOL A	288	2522	90	40	0	2940	1018	0	1018	3958
21	6% PEN	NONE	ACOL A	292	2498	90	40	0	2920	975	0	975	3895
22	6% PEN	390--0--0	ACOL A	240	2698	92	36	0	3066	1195	229	1424	4490
23	COLA 30/90%	NONE	ACOL A	271	2584	91	41	0	2987	1368	0	1368	4355
24	COLA 30/75%	NONE	ACOL A	274	2577	91	42	0	2984	1283	0	1283	4267
25	COLA 30/67%	NONE	ACOL A	275	2574	90	42	0	2981	1241	0	1241	4222
26	COLA 30/50%	NONE	ACOL A	277	2566	90	42	0	2975	1159	0	1159	4134
27	COLA 30/33%	NONE	ACOL A	282	2560	90	43	0	2975	1082	0	1082	4057
28	COLA 30/0%	NONE	ACOL A	282	2546	90	43	0	2961	949	0	949	3910
29	COLA 62/90%	NONE	ACOL A	273	2576	91	41	0	2981	1272	0	1272	4253
30	COLA 62/75%	NONE	ACOL A	279	2556	90	42	0	2967	1134	0	1134	4101
31	COLA 62/67%	NONE	ACOL A	282	2546	90	43	0	2961	1100	0	1100	4061
32	COLA 62/50%	NONE	ACOL A	288	2526	90	44	0	2948	961	0	961	3909
33	COLA 62/50%	160--40--50	ACOL A	260	2621	91	39	0	3011	1090	120	1210	4221
34	COLA 62/33%	NONE	ACOL A	293	2506	90	44	0	2933	827	0	827	3760
35	COLA 62/0%	NONE	ACOL A	303	2471	89	46	0	2909	648	0	648	3557
36	COLA LIFE/75%	NONE	ACOL A	281	2547	119	43	0	2990	1100	0	1100	4090
37	COLA LIFE/50%	NONE	ACOL A	291	2512	118	44	0	2965	860	0	860	3825
38	COLA LIFE/25%	NONE	ACOL A	300	2481	118	45	0	2944	681	0	681	3625
39	COLA LIFE/0%	NONE	ACOL A	307	2454	117	47	0	2925	548	0	548	3473
40	COLA 62/75% + 3% PEN	NONE	ACOL A	289	2523	90	44	0	2946	939	0	939	3885
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	262	2612	91	40	0	3005	1036	111	1147	4152
42	COLA 62/67% + 3% PEN	NONE	ACOL A	377	2641	109	44	0	3171	1138	0	1138	4309
43	HIGH 3	NONE	ACOL B	266	2594	120	40	0	3020	1487	0	1487	4507
44	DEC 30% (1.75 MULT)	NONE	ACOL B	301	2476	118	46	0	2941	863	0	863	3804
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	258	2617	121	39	0	3035	1028	171	1199	4234
46	3% PEN	NONE	ACOL B	279	2559	119	42	0	2999	1153	0	1153	4152
47	3% PEN	210--0--0	ACOL B	254	2643	121	39	0	3057	1294	122	1416	4473
48	COLA 62/50%	NONE	ACOL B	287	2526	118	44	0	2975	963	0	963	3938
49	COLA 62/50%	160-40-50	ACOL B	259	2621	120	39	0	3039	1093	120	1213	4252
50	COLA 62/75% + 3% PEN	NONE	ACOL B	288	2524	118	44	0	2974	943	0	943	3917

ATCH 4
L-B-76

SERVICE: ARMY COMMUNITY: OFF

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	262	2612	120	40	0	3034	1075	112	1187	4221
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	386	2608	109	50	0	3153	1208	0	1208	4361
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	344	2766	109	45	0	3264	1367	177	1544	4808
54	3% PEN	NONE	DMSM(ACOL B)	365	2689	109	48	0	3211	1357	0	1357	4568
55	3% PEN	210--0--0	DMSM(ACOL B)	340	2788	109	44	0	3281	1515	126	1641	4922
56	COLA 62/50%	NONE	DMSM(ACOL B)	373	2656	109	48	0	3186	1284	0	1284	4470
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	345	2766	109	45	0	3265	1419	125	1544	4809
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	374	2653	109	49	0	3185	1159	0	1159	4344
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	347	2758	109	45	0	3259	1341	115	1456	4715
60	SS OFFSET=1.25%/YR	NONE	ACOL A	275	2577	90	42	0	2984	973	0	973	3957
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	269	2607	91	41	0	3008	1356	0	1356	4364
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	274	2587	91	41	0	2993	1279	0	1279	4272
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	297	2468	90	45	0	2900	1014	0	1014	3914
64	VEST 22,AFTER SHIFT	NONE	ACOL A	297	2490	89	45	0	2921	969	0	969	3890
65	VEST 24,AFTER SHIFT	NONE	ACOL A	300	2498	89	45	0	2932	916	0	916	3848
66	VEST 30,AFTER SHIFT	NONE	ACOL A	336	2358	87	51	0	2832	593	0	593	3425
67	RMA	NONE	ACOL A	280	2550	119	42	0	2991	1151	0	1151	4142
68	USRBA W/O LOAN	NONE	ACOL A	285	2532	119	43	0	2979	1107	0	1107	4086
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	262	2610	120	40	0	3032	1271	91	1362	4394
70	PPSSCC OSD 24B	NONE	ACOL A	310	2418	89	47	0	2864	308	0	308	3172
71	PPSSCC USAF 1.9%	NONE	ACOL A	339	2334	87	51	0	2811	240	0	240	3051

SERVICE: ARMY COMMUNITY: OFF

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	266	2594	120	40	0	3020	1487	0	1487	4507
3	HIGH 3	NONE	ACOL A	3	-5	-29	1	0	-30	-59	0	-59	-89
4	DEC 10%	NONE	ACOL A	13	-42	-30	2	0	-57	-253	0	-253	-310
5	DEC 20%	NONE	ACOL A	24	-79	-30	4	0	-81	-441	0	-441	-522
6	DEC 20%	150--30--70	ACOL A	-2	5	-29	0	0	-26	-327	113	-214	-240
7	DEC 30%	NONE	ACOL A	35	-119	-31	6	0	-109	-625	0	-625	-734
8	DEC 30%	210--0--0	ACOL A	6	-40	-29	1	0	-62	-484	124	-360	-422
9	DEC 30%	210--60--100	ACOL A	-7	23	-28	-1	0	-13	-462	171	-291	-304
10	DEC 40%	NONE	ACOL A	47	-159	-32	7	0	-137	-799	0	-799	-936
11	DEC 50%	NONE	ACOL A	59	-197	-32	9	0	-161	-959	0	-959	-1120
12	1% PENALTY	NONE	ACOL A	8	-15	-29	-1	0	-37	-167	0	-167	-204
13	1% PEN	90--0--0	ACOL A	-3	16	-29	-3	0	-19	-101	52	-49	-68
14	2% PEN	NONE	ACOL A	11	-24	-30	2	0	-41	-259	0	-259	-300
15	2% PEN	150--0--0	ACOL A	-7	31	-29	-1	0	-6	-156	87	-69	-75
16	3% PEN	NONE	ACOL A	14	-35	-30	3	0	-48	-340	0	-340	-388
17	3% PEN	210--0--0	ACOL A	-11	48	-28	-1	0	8	-199	122	-77	-69
18	4% PEN	NONE	ACOL A	17	-50	-30	3	0	-60	-512	0	-512	-572
19	4% PEN	270--0--0	ACOL A	-16	67	-28	-2	0	21	-237	157	-80	-59
20	5% PEN	NONE	ACOL A	22	-72	-30	0	0	-80	-469	0	-469	-549
21	6% PEN	NONE	ACOL A	26	-96	-30	0	0	-100	-512	0	-512	-612
22	6% PEN	390--0--0	ACOL A	-26	104	-28	-4	0	46	-292	229	-63	-17
23	COLA 30/90%	NONE	ACOL A	5	-10	-29	1	0	-33	-119	0	-119	-152
24	COLA 30/75%	NONE	ACOL A	8	-17	-29	2	0	-36	-204	0	-204	-240
25	COLA 30/67%	NONE	ACOL A	9	-20	-30	2	0	-39	-246	0	-246	-285
26	COLA 30/50%	NONE	ACOL A	11	-28	-30	2	0	-45	-328	0	-328	-373
27	COLA 30/33%	NONE	ACOL A	16	-34	-30	3	0	-45	-405	0	-405	-450
28	COLA 30/0%	NONE	ACOL A	16	-48	-30	3	0	-59	-538	0	-538	-597
29	COLA 62/90%	NONE	ACOL A	7	-18	-29	1	0	-39	-215	0	-215	-254
30	COLA 62/75%	NONE	ACOL A	13	-38	-30	2	0	-53	-353	0	-353	-406
31	COLA 62/67%	NONE	ACOL A	16	-48	-30	3	0	-59	-387	0	-387	-446
32	COLA 62/50%	NONE	ACOL A	22	-68	-30	4	0	-72	-526	0	-526	-598
33	COLA 62/50%	160--40--50	ACOL A	-6	27	-29	-1	0	-9	-397	120	-277	-286
34	COLA 62/33%	NONE	ACOL A	27	-88	-30	4	0	-87	-660	0	-660	-747
35	COLA 62/0%	NONE	ACOL A	37	-123	-31	6	0	-111	-839	0	-839	-950
36	COLA LIFE/75%	NONE	ACOL A	15	-47	-1	3	0	-30	-387	0	-387	-417
37	COLA LIFE/50%	NONE	ACOL A	25	-82	-2	4	0	-55	-627	0	-627	-682
38	COLA LIFE/25%	NONE	ACOL A	34	-113	-2	5	0	-76	-806	0	-806	-882
39	COLA LIFE/0%	NONE	ACOL A	41	-140	-3	7	0	-95	-939	0	-939	-1034
40	COLA 62/75% + 3% PEN	NONE	ACOL A	23	-71	-30	4	0	-74	-548	0	-548	-622
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	-4	18	-29	0	0	-15	-451	111	-340	-355
42	COLA 62/67% + 3% PEN	NONE	ACOL A	111	47	-11	4	0	151	-349	0	-349	-198
43	HIGH 3	NONE	ACOL B	0	0	0	0	0	0	0	0	0	0
44	DEC 30% (1.75 MULT)	NONE	ACOL B	35	-118	-2	6	0	-79	-624	0	-624	-703
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-8	23	1	-1	0	15	-459	171	-288	-273
46	3% PEN	NONE	ACOL B	13	-35	-1	2	0	-21	-334	0	-334	-355
47	3% PEN	210--0--0	ACOL B	-12	49	1	-1	0	37	-193	122	-71	-34
48	COLA 62/50%	NONE	ACOL B	21	-68	-2	4	0	-45	-524	0	-524	-569
49	COLA 62/50%	160-40-50	ACOL B	-7	27	0	-1	0	19	-394	120	-274	-255
50	COLA 62/75% + 3% PEN	NONE	ACOL B	22	-70	-2	4	0	-46	-544	0	-544	-590

SERVICE: ARMY COMMUNITY: OFF

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-4	18	0	0	0	14	-412	112	-300	-286
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	120	14	-11	10	0	133	-279	0	-279	-146
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	78	172	-11	5	0	244	-120	177	57	301
54	3% PEN	NONE	DMSM(ACOL B)	99	95	-11	8	0	191	-130	0	-130	61
55	3% PEN	210--0--0	DMSM(ACOL B)	74	194	-11	4	0	261	28	126	154	415
56	COLA 62/50%	NONE	DMSM(ACOL B)	107	62	-11	8	0	166	-203	0	-203	-37
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	79	172	-11	5	0	245	-68	125	57	302
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	108	59	-11	9	0	165	-328	0	-328	-163
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	81	164	-11	5	0	239	-146	115	-31	208
60	SS OFFSET=1.25%/YR	NONE	ACOL A	9	-17	-30	2	0	-36	-514	0	-514	-550
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	3	13	-29	1	0	-12	-131	0	-131	-143
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	8	-7	-29	1	0	-27	-208	0	-208	-235
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	31	-126	-30	5	0	-120	-473	0	-473	-593
64	VEST 22,AFTER SHIFT	NONE	ACOL A	31	-104	-31	5	0	-99	-518	0	-518	-617
65	VEST 24,AFTER SHIFT	NONE	ACOL A	34	-96	-31	5	0	-88	-571	0	-571	-659
66	VEST 30,AFTER SHIFT	NONE	ACOL A	70	-236	-33	11	0	-188	-894	0	-894	-1082
67	RMA	NONE	ACOL A	14	-44	-1	2	0	-29	-336	0	-336	-365
68	USRBA W/O LOAN	NONE	ACOL A	19	-62	-1	3	0	-41	-380	0	-380	-421
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-4	16	0	0	0	12	-216	91	-125	-113
70	PPSSCC OSD 2%B	NONE	ACOL A	44	-176	-31	7	0	-156	-1179	0	-1179	-1335
71	PPSSCC USAF 1.9%	NONE	ACOL A	73	-260	-33	11	0	-209	-1247	0	-1247	-1456

SERVICE: ARMY COMMUNITY: OFF

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	266	2594	120	40	0	3020	1487	0	1487	4507
3	HIGH 3	NONE	ACOL A	1	0	-24	3	0	-1	-4	0	-4	-2
4	DEC 10%	NONE	ACOL A	5	-2	-25	5	0	-2	-17	0	-17	-7
5	DEC 20%	NONE	ACOL A	9	-3	-25	10	0	-3	-30	0	-30	-12
6	DEC 20%	150--30--70	ACOL A	-1	0	-24	0	0	-1	-22	******	-14	-5
7	DEC 30%	NONE	ACOL A	13	-5	-26	15	0	-4	-42	0	-42	-16
8	DEC 30%	210--0--0	ACOL A	2	-2	-24	3	0	-2	-33	******	-24	-9
9	DEC 30%	210--60--100	ACOL A	-3	1	-23	-3	0	0	-31	******	-20	-7
10	DEC 40%	NONE	ACOL A	18	-6	-27	18	0	-5	-54	0	-54	-21
11	DEC 50%	NONE	ACOL A	22	-8	-27	23	0	-5	-64	0	-64	-25
12	1% PENALTY	NONE	ACOL A	3	-1	-24	-3	0	-1	-11	0	-11	-5
13	1% PEN	90--0--0	ACOL A	-1	1	-24	-8	0	-1	-7	******	-3	-2
14	2% PEN	NONE	ACOL A	4	-1	-25	5	0	-1	-17	0	-17	-7
15	2% PEN	150--0--0	ACOL A	-3	1	-24	-3	0	0	-10	******	-5	-2
16	3% PEN	NONE	ACOL A	5	-1	-25	8	0	-2	-23	0	-23	-9
17	3% PEN	210--0--0	ACOL A	-4	2	-23	-3	0	0	-13	******	-5	-2
18	4% PEN	NONE	ACOL A	6	-2	-25	8	0	-2	-34	0	-34	-13
19	4% PEN	270--0--0	ACOL A	-6	3	-23	-5	0	1	-16	******	-5	-1
20	5% PEN	NONE	ACOL A	8	-3	-25	0	0	-3	-32	0	-32	-12
21	6% PEN	NONE	ACOL A	10	-4	-25	0	0	-3	-34	0	-34	-14
22	6% PEN	390--0--0	ACOL A	-10	4	-23	-10	0	2	-20	******	-4	0
23	COLA 30/90%	NONE	ACOL A	2	0	-24	3	0	-1	-8	0	-8	-3
24	COLA 30/75%	NONE	ACOL A	3	-1	-24	5	0	-1	-14	0	-14	-5
25	COLA 30/67%	NONE	ACOL A	3	-1	-25	5	0	-1	-17	0	-17	-6
26	COLA 30/50%	NONE	ACOL A	4	-1	-25	5	0	-1	-22	0	-22	-8
27	COLA 30/33%	NONE	ACOL A	6	-1	-25	8	0	-1	-27	0	-27	-10
28	COLA 30/0%	NONE	ACOL A	6	-2	-25	8	0	-2	-36	0	-36	-13
29	COLA 62/90%	NONE	ACOL A	3	-1	-24	3	0	-1	-14	0	-14	-6
30	COLA 62/75%	NONE	ACOL A	5	-1	-25	5	0	-2	-24	0	-24	-9
31	COLA 62/67%	NONE	ACOL A	6	-2	-25	8	0	-2	-26	0	-26	-10
32	COLA 62/50%	NONE	ACOL A	8	-3	-25	10	0	-2	-35	0	-35	-13
33	COLA 62/50%	160--40--50	ACOL A	-2	1	-24	-3	0	0	-27	******	-19	-6
34	COLA 62/33%	NONE	ACOL A	10	-3	-25	10	0	-3	-44	0	-44	-17
35	COLA 62/0%	NONE	ACOL A	14	-5	-26	15	0	-4	-56	0	-56	-21
36	COLA LIFE/75%	NONE	ACOL A	6	-2	-1	8	0	-1	-26	0	-26	-9
37	COLA LIFE/50%	NONE	ACOL A	9	-3	-2	10	0	-2	-42	0	-42	-15
38	COLA LIFE/25%	NONE	ACOL A	13	-4	-2	13	0	-3	-54	0	-54	-20
39	COLA LIFE/0%	NONE	ACOL A	15	-5	-3	18	0	-3	-63	0	-63	-23
40	COLA 62/75% + 3% PEN	NONE	ACOL A	9	-3	-25	10	0	-2	-37	0	-37	-14
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	-2	1	-24	0	0	0	-30	******	-23	-8
42	COLA 62/67% + 3% PEN	NONE	ACOL A	42	2	-9	10	0	5	-23	0	-23	-4
43	HIGH 3	NONE	ACOL B	0	0	0	0	0	0	0	0	0	0
44	DEC 30% (1.75 MULT)	NONE	ACOL B	13	-5	-2	15	0	-3	-42	0	-42	-16
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-3	1	1	-3	0	0	-31	******	-19	-6
46	3% PEN	NONE	ACOL B	5	-1	-1	5	0	-1	-22	0	-22	-8
47	3% PEN	210--0--0	ACOL B	-5	2	1	-3	0	1	-13	******	-5	-1
48	COLA 62/50%	NONE	ACOL B	8	-3	-2	10	0	-1	-35	0	-35	-13
49	COLA 62/50%	160-40-50	ACOL B	-3	1	0	-3	0	1	-26	******	-18	-6
50	COLA 62/75% + 3% PEN	NONE	ACOL B	8	-3	-2	10	0	-2	-37	0	-37	-13

ATCH 4 L-B-80

SERVICE: ARMY COMMUNITY: OFF

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-2	1	0	0	0	0	-28	******	-20	-6
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	45	1	-9	25	0	4	-19	0	-19	-3
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	29	7	-9	13	0	8	-8	******	4	7
54	3% PEN	NONE	DMSM(ACOL B)	37	4	-9	20	0	6	-9	0	-9	1
55	3% PEN	210--0--0	DMSM(ACOL B)	28	7	-9	10	0	9	2	******	10	9
56	COLA 62/50%	NONE	DMSM(ACOL B)	40	2	-9	20	0	5	-14	0	-14	-1
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	30	7	-9	13	0	8	-5	******	4	7
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	41	2	-9	23	0	5	-22	0	-22	-4
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	30	6	-9	13	0	8	-10	******	-2	5
60	SS OFFSET=1.25%/YR	NONE	ACOL A	3	-1	-25	5	0	-1	-35	0	-35	-12
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	1	1	-24	3	0	0	-9	0	-9	-3
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	3	0	-24	3	0	-1	-14	0	-14	-5
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	12	-5	-25	13	0	-4	-32	0	-32	-13
64	VEST 22,AFTER SHIFT	NONE	ACOL A	12	-4	-26	13	0	-3	-35	0	-35	-14
65	VEST 24,AFTER SHIFT	NONE	ACOL A	13	-4	-26	13	0	-3	-38	0	-38	-15
66	VEST 30,AFTER SHIFT	NONE	ACOL A	26	-9	-28	28	0	-6	-60	0	-60	-24
67	RMA	NONE	ACOL A	5	-2	-1	5	0	-1	-23	0	-23	-8
68	USRBA W/O LOAN	NONE	ACOL A	7	-2	-1	8	0	-1	-26	0	-26	-9
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-2	1	0	0	0	0	-15	******	-8	-3
70	PPSSCC OSD 248	NONE	ACOL A	17	-7	-26	18	0	-5	-79	0	-79	-30
71	PPSSCC USAF 1.9%	NONE	ACOL A	27	-10	-28	28	0	-7	-84	0	-84	-32

SERVICE: ARMY COMMUNITY: ENL

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	884	9986	372	177	0	11419	3687	0	3687	15106
3	HIGH 3	NONE	ACOL A	894	9907	374	179	0	11354	3461	0	3461	14815
4	DEC 10%	NONE	ACOL A	918	9800	378	184	0	11280	2889	0	2889	14169
5	DEC 20%	NONE	ACOL A	942	9701	381	189	0	11213	2370	0	2370	13583
6	DEC 20%	150--30--70	ACOL A	885	9949	373	177	0	11384	2837	298	3135	14519
7	DEC 30%	NONE	ACOL A	963	9615	383	193	0	11154	1909	0	1909	13063
8	DEC 30%	210--0--0	ACOL A	895	9855	376	179	0	11305	2408	384	2792	14097
9	DEC 30%	210--60--100	ACOL A	881	9999	372	176	0	11428	2517	442	2959	14387
10	DEC 40%	NONE	ACOL A	978	9545	385	196	0	11104	1506	0	1506	12610
11	DEC 50%	NONE	ACOL A	992	9480	387	198	0	11057	1148	0	1148	12205
12	1% PENALTY	NONE	ACOL A	913	9847	376	183	0	11319	3011	0	3011	14330
13	1% PEN	90--0--0	ACOL A	883	9959	373	177	0	11392	3292	164	3456	14848
14	2% PEN	NONE	ACOL A	933	9786	378	187	0	11284	2603	0	2603	13887
15	2% PEN	150--0--0	ACOL A	882	9977	373	177	0	11409	3039	271	3310	14719
16	3% PEN	NONE	ACOL A	943	9754	379	189	0	11265	2285	0	2285	13550
17	3% PEN	210--0--0	ACOL A	879	10005	372	176	0	11432	2815	377	3192	14624
18	4% PEN	NONE	ACOL A	945	9765	379	189	0	11278	2085	0	2085	13363
19	4% PEN	270--0--0	ACOL A	866	10081	370	173	0	11490	2685	488	3173	14663
20	5% PEN	NONE	ACOL A	944	9790	379	189	0	11302	1949	0	1949	13251
21	6% PEN	NONE	ACOL A	941	9826	378	188	0	11333	1871	0	1871	13204
22	6% PEN	390--0--0	ACOL A	829	10300	364	166	0	11659	2616	726	3342	15001
23	COLA 30/90%	NONE	ACOL A	901	9884	375	180	0	11340	3269	0	3269	14609
24	COLA 30/75%	NONE	ACOL A	911	9849	376	182	0	11318	3002	0	3002	14320
25	COLA 30/67%	NONE	ACOL A	916	9831	377	183	0	11307	2870	0	2870	14177
26	COLA 30/50%	NONE	ACOL A	926	9793	378	185	0	11282	2607	0	2607	13889
27	COLA 30/33%	NONE	ACOL A	936	9758	379	187	0	11260	2373	0	2373	13633
28	COLA 30/0%	NONE	ACOL A	948	9722	380	190	0	11240	2026	0	2026	13266
29	COLA 62/90%	NONE	ACOL A	905	9858	376	181	0	11320	3058	0	3058	14378
30	COLA 62/75%	NONE	ACOL A	921	9792	378	184	0	11275	2610	0	2610	13885
31	COLA 62/67%	NONE	ACOL A	929	9760	379	186	0	11254	2433	0	2433	13687
32	COLA 62/50%	NONE	ACOL A	944	9699	381	189	0	11213	2023	0	2023	13236
33	COLA 62/50%	160--40--50	ACOL A	883	9971	373	177	0	11404	2511	320	2831	14235
34	COLA 62/33%	NONE	ACOL A	957	9647	382	192	0	11178	1718	0	1718	12896
35	COLA 62/0%	NONE	ACOL A	972	9577	384	194	0	11127	1283	0	1283	12410
36	COLA LIFE/75%	NONE	ACOL A	924	9785	378	185	0	11272	2532	0	2532	13804
37	COLA LIFE/50%	NONE	ACOL A	948	9685	381	190	0	11204	1897	0	1897	13101
38	COLA LIFE/25%	NONE	ACOL A	967	9608	383	194	0	11152	1460	0	1460	12612
39	COLA LIFE/0%	NONE	ACOL A	982	9546	385	197	0	11110	1149	0	1149	12259
40	COLA 62/75% + 3% PEN	NONE	ACOL A	960	9667	382	192	0	11201	1757	0	1757	12958
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	871	10012	371	174	0	11428	2345	562	2907	14335
42	COLA 62/67% + 3% PEN	NONE	ACOL A	1627	9579	165	193	0	11564	1819	0	1819	13383
43	HIGH 3	NONE	ACOL B	894	9916	374	179	0	11363	3466	0	3466	14829
44	DEC 30% (1.75 MULT)	NONE	ACOL B	967	9605	384	194	0	11150	1892	0	1892	13042
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	865	10052	370	173	0	11460	2582	455	3037	14497
46	3% PEN	NONE	ACOL B	919	9846	377	184	0	11326	2430	0	2430	13756
47	3% PEN	210--0--0	ACOL B	857	10091	369	172	0	11489	2947	389	3336	14825
48	COLA 62/50%	NONE	ACOL B	945	9700	381	189	0	11215	2042	0	2042	13257
49	COLA 62/50%	160-40-50	ACOL B	875	10001	372	175	0	11423	2546	325	2871	14294
50	COLA 62/75% + 3% PEN	NONE	ACOL B	940	9745	380	188	0	11253	1867	0	1867	13120

L-B-82
ATCH 4

SERVICE: ARMY COMMUNITY: ENL

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	852	10087	369	170	0	11478	2478	575	3053	14531
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	1631	9509	165	794	0	11499	2114	0	2114	13613
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	1509	9953	165	177	0	11804	2626	451	3077	14881
54	3% PEN	NONE	DMSM(ACOL B)	1573	9745	164	186	0	11668	2467	0	2467	14135
55	3% PEN	210--0--0	DMSM(ACOL B)	1499	10000	165	176	0	11840	2873	390	3263	15103
56	COLA 62/50%	NONE	DMSM(ACOL B)	1604	9603	165	190	0	11562	2087	0	2087	13649
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	1520	9929	165	179	0	11793	2522	325	2847	14640
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	1598	9633	165	190	0	11586	1850	0	1850	13436
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	1493	9984	165	175	0	11817	2435	578	3013	14830
60	SS OFFSET=1.25%/YR	NONE	ACOL A	928	9805	378	486	0	11297	2686	0	2686	13983
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	892	10070	370	179	0	11511	3405	0	3405	14916
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	879	10268	365	176	0	11688	3539	0	3539	15227
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	909	10173	370	182	0	11634	3109	0	3109	14743
64	VEST 22,AFTER SHIFT	NONE	ACOL A	973	9560	385	195	0	11113	1779	0	1779	12892
65	VEST 24,AFTER SHIFT	NONE	ACOL A	1013	9374	392	203	0	10982	1128	0	1128	12110
66	VEST 30,AFTER SHIFT	NONE	ACOL A	1040	9262	395	208	0	10905	727	0	727	11632
67	RMA	NONE	ACOL A	916	9832	377	183	0	11308	2706	0	2706	14014
68	USRBA W/O LC	NONE	ACOL A	919	9822	377	184	0	11302	2806	0	2806	14108
69	USRBA WITH LC	LOAN OPTION	ACOL A	875	10000	372	175	0	11422	3072	296	3368	14790
70	PPSSCC OSD 2%	NONE	ACOL A	980	9578	385	196	0	11139	678	0	678	11817
71	PPSSCC USAF 2%	NONE	ACOL A	998	9493	387	200	0	11078	652	0	652	11730

SERVICE: ARMY COMMUNITY: ENL

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	884	9986	372	177	0	11419	3687	0	3687	15106
3	HIGH 3	NONE	ACOL A	10	-79	2	2	0	-65	-226	0	-226	-291
4	DEC 10%	NONE	ACOL A	34	-186	6	7	0	-139	-798	0	-798	-937
5	DEC 20%	NONE	ACOL A	58	-285	9	12	0	-206	-1317	0	-1317	-1523
6	DEC 20%	150--30--70	ACOL A	1	-37	1	0	0	-35	-850	298	-552	-587
7	DEC 30%	NONE	ACOL A	79	-371	11	16	0	-265	-1778	0	-1778	-2043
8	DEC 30%	210--0--0	ACOL A	11	-131	4	2	0	-114	-1279	384	-895	-1009
9	DEC 30%	210--60--100	ACOL A	-3	13	0	-1	0	9	-1170	442	-728	-719
10	DEC 40%	NONE	ACOL A	94	-441	13	19	0	-315	-2181	0	-2181	-2496
11	DEC 50%	NONE	ACOL A	108	-506	15	21	0	-362	-2539	0	-2539	-2901
12	1% PENALTY	NONE	ACOL A	29	-139	4	6	0	-100	-676	0	-676	-776
13	1% PEN	90--0--0	ACOL A	-1	-27	1	0	0	-27	-395	164	-231	-258
14	2% PEN	NONE	ACOL A	49	-200	6	10	0	-135	-1084	0	-1084	-1219
15	2% PEN	150--0--0	ACOL A	-2	-9	1	0	0	-10	-648	271	-377	-387
16	3% PEN	NONE	ACOL A	59	-232	7	12	0	-154	-1402	0	-1402	-1556
17	3% PEN	210--0--0	ACOL A	-5	19	0	-1	0	13	-872	377	-495	-482
18	4% PEN	NONE	ACOL A	61	-221	7	12	0	-141	-1602	0	-1602	-1743
19	4% PEN	270--0--0	ACOL A	-18	95	-2	-4	0	71	-1002	488	-514	-443
20	5% PEN	NONE	ACOL A	60	-196	7	12	0	-117	-1738	0	-1738	-1855
21	6% PEN	NONE	ACOL A	57	-160	6	11	0	-86	-1816	0	-1816	-1902
22	6% PEN	390--0--0	ACOL A	-55	314	-8	-11	0	240	-1071	726	-345	-105
23	COLA 30/90%	NONE	ACOL A	17	-102	3	3	0	-79	-418	0	-418	-497
24	COLA 30/75%	NONE	ACOL A	27	-137	4	5	0	-101	-685	0	-685	-786
25	COLA 30/67%	NONE	ACOL A	32	-155	5	6	0	-112	-817	0	-817	-929
26	COLA 30/50%	NONE	ACOL A	42	-193	6	8	0	-137	-1080	0	-1080	-1217
27	COLA 30/33%	NONE	ACOL A	52	-228	7	10	0	-159	-1314	0	-1314	-1473
28	COLA 30/0%	NONE	ACOL A	64	-264	8	13	0	-179	-1661	0	-1661	-1840
29	COLA 62/90%	NONE	ACOL A	21	-128	4	4	0	-99	-629	0	-629	-728
30	COLA 62/75%	NONE	ACOL A	37	-194	6	7	0	-144	-1077	0	-1077	-1221
31	COLA 62/67%	NONE	ACOL A	45	-226	7	9	0	-165	-1254	0	-1254	-1419
32	COLA 62/50%	NONE	ACOL A	60	-287	9	12	0	-206	-1664	0	-1664	-1870
33	COLA 62/50%	160--40--50	ACOL A	-1	-15	1	0	0	-15	-1176	320	-856	-871
34	COLA 62/33%	NONE	ACOL A	73	-339	10	15	0	-241	-1969	0	-1969	-2210
35	COLA 62/0%	NONE	ACOL A	88	-409	12	17	0	-292	-2404	0	-2404	-2696
36	COLA LIFE/75%	NONE	ACOL A	40	-201	6	8	0	-147	-1155	0	-1155	-1302
37	COLA LIFE/50%	NONE	ACOL A	64	-301	9	13	0	-215	-1790	0	-1790	-2005
38	COLA LIFE/25%	NONE	ACOL A	83	-378	11	17	0	-267	-2227	0	-2227	-2494
39	COLA LIFE/0%	NONE	ACOL A	98	-440	13	20	0	-309	-2538	0	-2538	-2847
40	COLA 62/75% + 3% PEN	NONE	ACOL A	76	-319	10	15	0	-218	-1930	0	-1930	-2148
41	COLA 62/75% + 3% PEN	200(G)/300(E)--0--0	ACOL A	-13	26	-1	-3	0	9	-1342	562	-780	-771
42	COLA 62/67% + 3% PEN	NONE	ACOL A	743	-407	-207	16	0	145	-1868	0	-1868	-1723
43	HIGH 3	NONE	ACOL B	10	-70	2	2	0	-56	-221	0	-221	-277
44	DEC 30% (1.75 MULT)	NONE	ACOL B	83	-381	12	17	0	-269	-1795	0	-1795	-2064
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-19	66	-2	-4	0	41	-1105	455	-650	-609
46	3% PEN	NONE	ACOL B	35	-140	5	7	0	-93	-1257	0	-1257	-1350
47	3% PEN	210--0--0	ACOL B	-27	105	-3	-5	0	70	-740	389	-351	-281
48	COLA 62/50%	NONE	ACOL B	61	-286	9	12	0	-204	-1645	0	-1645	-1849
49	COLA 62/50%	160-40-50	ACOL B	-9	15	0	-2	0	4	-1141	325	-816	-812
50	COLA 62/75% + 3% PEN	NONE	ACOL B	56	-241	8	11	0	-166	-1820	0	-1820	-1986

SERVICE: ARMY COMMUNITY: ENL

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	-32	101	-3	-7	0	59	-1209	575	-634	-575
52	DEC 30% (1.75 MULT)	NONE	DHSM(ACOL B)	747	-477	-207	17	0	80	-1573	0	-1573	-1493
53	DEC 30% (1.75 MULT)	210-60-100	DHSM(ACOL B)	625	-33	-207	0	0	385	-1061	451	-610	-225
54	3% PEN	NONE	DHSM(ACOL B)	689	-241	-208	9	0	249	-1220	0	-1220	-971
55	3% PEN	210--0--0	DHSM(ACOL B)	615	14	-207	-1	0	421	-814	390	-424	-3
56	COLA 62/50%	NONE	DHSM(ACOL B)	720	-383	-207	13	0	143	-1600	0	-1600	-1457
57	COLA 62/50%	160--40--50	DHSM(ACOL B)	636	-57	-207	2	0	374	-1165	325	-840	-466
58	COLA 62/75% + 3% PEN	NONE	DHSM(ACOL B)	714	-353	-207	13	0	167	-1837	0	-1837	-1670
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DHSM(ACOL B)	609	-2	-207	-2	0	398	-1252	578	-674	-276
60	SS OFFSET=1.25%/YR	NONE	ACOL A	44	-181	6	9	0	-122	-1001	0	-1001	-1123
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	8	84	-2	2	0	92	-282	0	-282	-190
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-5	282	-7	-1	0	269	-148	0	-148	121
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	25	187	-2	5	0	215	-578	0	-578	-363
64	VEST 22,AFTER SHIFT	NONE	ACOL A	89	-426	13	18	0	-306	-1908	0	-1908	-2214
65	VEST 24,AFTER SHIFT	NONE	ACOL A	29	-612	20	26	0	-437	-2559	0	-2559	-2996
66	VEST 30,AFTER SHIFT	NONE	ACOL A	156	-724	23	31	0	-514	-2960	0	-2960	-3474
67	RMA	NONE	ACOL A	32	-154	5	6	0	-111	-981	0	-981	-1092
68	USRBA W/O LOAN	NONE	ACOL A	35	-164	5	7	0	-117	-881	0	-881	-998
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-9	14	0	-2	0	3	-615	296	-319	-316
70	PPSSCC OSD 24B	NONE	ACOL A	96	-403	13	19	0	-280	-3009	0	-3009	-3289
71	PPSSCC USAF 1.9%	NONE	ACOL A	114	-493	15	23	0	-341	-3035	0	-3035	-3376

SERVICE: ARMY COMMUNITY: ENL

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	884	9986	372	177	0	11419	3687	0	3687	15106
3	HIGH 3	NONE	ACOL A	1	-1	1	1	0	-1	-6	0	-6	-2
4	DEC 10%	NONE	ACOL A	4	-2	2	4	0	-1	-22	0	-22	-6
5	DEC 20%	NONE	ACOL A	7	-3	2	7	0	-2	-36	0	-36	-10
6	DEC 20%	150--30--70	ACOL A	0	0	0	0	0	0	-23	******	-15	-4
7	DEC 30%	NONE	ACOL A	9	-4	3	9	0	-2	-48	0	-48	-14
8	DEC 30%	210--0--0	ACOL A	1	-1	1	1	0	-1	-35	******	-24	-7
9	DEC 30%	210--60--100	ACOL A	0	0	0	-1	0	0	-32	******	-20	-5
10	DEC 40%	NONE	ACOL A	11	-4	3	11	0	-3	-59	0	-59	-17
11	DEC 50%	NONE	ACOL A	12	-5	4	12	0	-3	-69	0	-69	-19
12	1% PENALTY	NONE	ACOL A	3	-1	1	3	0	-1	-18	0	-18	-5
13	1% PEN	90--0--0	ACOL A	0	0	0	0	0	0	-11	******	-6	-2
14	2% PEN	NONE	ACOL A	6	-2	2	6	0	-1	-29	0	-29	-8
15	2% PEN	150--0--0	ACOL A	0	0	0	0	0	0	-18	******	-10	-3
16	3% PEN	NONE	ACOL A	7	-2	2	7	0	-1	-38	0	-38	-10
17	3% PEN	210--0--0	ACOL A	-1	0	0	-1	0	0	-24	******	-13	-3
18	4% PEN	NONE	ACOL A	7	-2	2	7	0	-1	-43	0	-43	-12
19	4% PEN	270--0--0	ACOL A	-2	1	-1	-2	0	1	-27	******	-14	-3
20	5% PEN	NONE	ACOL A	7	-2	2	7	0	-1	-47	0	-47	-12
21	6% PEN	NONE	ACOL A	6	-2	2	6	0	-1	-49	0	-49	-13
22	6% PEN	390--0--0	ACOL A	-6	3	-2	-6	0	2	-29	******	-9	-1
23	COLA 30/90%	NONE	ACOL A	2	-1	1	2	0	-1	-11	0	-11	-3
24	COLA 30/75%	NONE	ACOL A	3	-1	1	3	0	-1	-19	0	-19	-5
25	COLA 30/67%	NONE	ACOL A	4	-2	1	3	0	-1	-22	0	-22	-6
26	COLA 30/50%	NONE	ACOL A	5	-2	2	5	0	-1	-29	0	-29	-8
27	COLA 30/33%	NONE	ACOL A	6	-2	2	6	0	-1	-36	0	-36	-10
28	COLA 30/0%	NONE	ACOL A	7	-3	2	7	0	-2	-45	0	-45	-12
29	COLA 62/90%	NONE	ACOL A	2	-1	1	2	0	-1	-17	0	-17	-5
30	COLA 62/75%	NONE	ACOL A	4	-2	2	4	0	-1	-29	0	-29	-8
31	COLA 62/67%	NONE	ACOL A	5	-2	2	5	0	-1	-34	0	-34	-9
32	COLA 62/50%	NONE	ACOL A	7	-3	2	7	0	-2	-45	0	-45	-12
33	COLA 62/50%	160--40--50	ACOL A	0	0	0	0	0	0	-32	******	-23	-6
34	COLA 62/33%	NONE	ACOL A	8	-3	3	8	0	-2	-53	0	-53	-15
35	COLA 62/0%	NONE	ACOL A	10	-4	3	10	0	-3	-65	0	-65	-18
36	COLA LIFE/75%	NONE	ACOL A	5	-2	2	5	0	-1	-31	0	-31	-9
37	COLA LIFE/50%	NONE	ACOL A	7	-3	2	7	0	-2	-49	0	-49	-13
38	COLA LIFE/25%	NONE	ACOL A	9	-4	3	10	0	-2	-60	0	-60	-17
39	COLA LIFE/0%	NONE	ACOL A	11	-4	3	11	0	-3	-69	0	-69	-19
40	COLA 62/75% + 3% PEN	NONE	ACOL A	9	-3	3	8	0	-2	-[illegible]	0	-52	-14
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	-1	0	0	-2	0	0	-36	******	-21	-5
42	COLA 62/67% + 3% PEN	NONE	ACOL A	84	-4	-56	9	0	1	-51	0	-51	-11
43	HIGH 3	NONE	ACOL B	1	-1	1	1	0	0	-6	0	-6	-2
44	DEC 30% (1.75 MULT)	NONE	ACOL B	9	-4	3	10	0	-2	-49	0	-49	-14
45	DEC 30% (.75 MULT)	210--60--100	ACOL B	-2	1	-1	-2	0	0	-30	******	-18	-4
46	3% PEN	NONE	ACOL B	4	-1	1	4	0	-1	-34	0	-34	-9
47	3% PEN	210--0--0	ACOL B	-3	1	-1	-3	0	1	-20	******	-10	-2
48	COLA 62/50%	NONE	ACOL B	7	-3	2	7	0	-2	-45	0	-45	-12
49	COLA 62/50%	160-40-50	ACOL B	-1	0	0	-1	0	0	-31	******	-22	-5
50	COLA 62/75% + 3% PEN	NONE	ACOL B	6	-2	2	6	0	-1	-49	0	-49	-13

ATCH 4
T-B-86

SERVICE: ARMY COMMUNITY: ENL

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	-4	1	-1	-4	0	1	-33	******	-17	-4
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	85	-5	-56	10	0	1	-43	0	-43	-10
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	71	0	-56	0	0	3	-29	******	-17	-1
54	3% PEN	NONE	DMSM(ACOL B)	78	-2	-56	5	0	2	-33	0	-33	-6
55	3% PEN	210--0--0	DMSM(ACOL B)	70	0	-56	-1	0	4	-22	******	-11	0
56	COLA 62/50%	NONE	DMSM(ACOL B)	81	-4	-56	7	0	1	-43	0	-43	-10
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	72	-1	-56	1	0	3	-32	******	-23	-3
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	81	-4	-56	7	0	1	-50	0	-50	-11
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DMSM(ACOL B)	69	0	-56	-1	0	3	-34	******	-18	-2
60	SS OFFSET=1.25%/YR	NONE	ACOL A	5	-2	2	5	0	-1	-27	0	-27	-7
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	1	1	-1	1	0	1	-8	0	-8	-1
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-1	3	-2	-1	0	2	-4	0	-4	1
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	3	2	-1	3	0	2	-16	0	-16	-2
64	VEST 22,AFTER SHIFT	NONE	ACOL A	10	-4	3	10	0	-3	-52	0	-52	-15
65	VEST 24,AFTER SHIFT	NONE	ACOL A	15	-6	5	15	0	-4	-69	0	-69	-20
66	VEST 30,AFTER SHIFT	NONE	ACOL A	18	-7	6	18	0	-5	-80	0	-80	-23
67	RMA	NONE	ACOL A	4	-2	1	3	0	-1	-27	0	-27	-7
68	USRBA W/O LOAN	NONE	ACOL A	4	-2	1	4	0	-1	-24	0	-24	-7
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-1	0	0	-1	0	0	-17	******	-9	-2
70	PPSSCC OSD 24B	NONE	ACOL A	11	-4	3	11	0	-2	-82	0	-82	-22
71	PPSSCC USAF 1.9%	NONE	ACOL A	13	-5	4	13	0	-3	-82	0	-82	-22

ATCH 4
1-8-87

SERVICE: ARMY COMMUNITY: BOTH

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	1150	12580	492	217	0	14439	5174	0	5174	19613
3	HIGH 3	NONE	ACOL A	1163	12496	465	220	0	14344	4889	0	4889	19233
4	DEC 10%	NONE	ACOL A	1197	12352	468	226	0	14243	4123	0	4123	18366
5	DEC 20%	NONE	ACOL A	1232	12216	471	233	0	14152	3416	0	3416	17568
6	DEC 20%	150--30--70	ACOL A	1149	12548	464	217	0	14378	3997	411	4408	18786
7	DEC 30%	NONE	ACOL A	1264	12090	472	239	0	14065	2771	0	2771	16836
8	DEC 30%	210--0--0	ACOL A	1167	12409	467	220	0	14263	3411	508	3919	18182
9	DEC 30%	210--60--100	ACOL A	1140	12616	464	215	0	14435	3542	613	4155	18590
10	DEC 40%	NONE	ACOL A	1291	11980	473	243	0	13987	2194	0	2194	16181
11	DEC 50%	NONE	ACOL A	1317	11877	475	247	0	13916	1676	0	1676	15592
12	1% PENALTY	NONE	ACOL A	1187	12426	467	222	0	14302	4331	0	4331	18633
13	1% PEN	90--0--0	ACOL A	1146	12569	464	214	0	14393	4678	216	4894	19287
14	2% PEN	NONE	ACOL A	1210	12356	468	229	0	14263	3831	0	3831	18094
15	2% PEN	150--0--0	ACOL A	1141	12602	464	216	0	14423	4370	358	4728	19151
16	3% PEN	NONE	ACOL A	1223	12313	469	232	0	14237	3432	0	3432	17669
17	3% PEN	210--0--0	ACOL A	1134	12647	464	215	0	14460	4103	499	4602	19062
18	4% PEN	NONE	ACOL A	1228	12309	469	232	0	14238	3060	0	3060	17298
19	4% PEN	270--0--0	ACOL A	1116	12742	462	211	0	14531	3935	645	4580	19111
20	5% PEN	NONE	ACOL A	1232	12312	469	229	0	14242	2967	0	2967	17209
21	6% PEN	NONE	ACOL A	1233	12324	468	228	0	14253	2846	0	2846	17099
22	6% PEN	390--0--0	ACOL A	1069	12998	456	202	0	14725	3811	955	4766	19491
23	COLA 30/90%	NONE	ACOL A	1172	12468	466	221	0	14327	4637	0	4637	18964
24	COLA 30/75%	NONE	ACOL A	1185	12426	467	224	0	14302	4285	0	4285	18587
25	COLA 30/67%	NONE	ACOL A	1191	12405	467	225	0	14288	4111	0	4111	18399
26	COLA 30/50%	NONE	ACOL A	1203	12359	468	227	0	14257	3766	0	3766	18023
27	COLA 30/33%	NONE	ACOL A	1218	12318	469	230	0	14235	3455	0	3455	17690
28	COLA 30/0%	NONE	ACOL A	1230	12268	470	233	0	14201	2975	0	2975	17176
29	COLA 62/90%	NONE	ACOL A	1178	12434	467	222	0	14301	4330	0	4330	18631
30	COLA 62/75%	NONE	ACOL A	1200	12348	468	226	0	14242	3744	0	3744	17986
31	COLA 62/67%	NONE	ACOL A	1211	12306	469	229	0	14215	3533	0	3533	17748
32	COLA 62/50%	NONE	ACOL A	1232	12225	471	233	0	14161	2984	0	2984	17145
33	COLA 62/50%	160--40--50	ACOL A	1143	12592	464	216	0	14415	3601	440	4041	18456
34	COLA 62/33%	NONE	ACOL A	1250	12153	472	236	0	14111	2545	0	2545	16656
35	COLA 62/0%	NONE	ACOL A	1275	12048	473	240	0	14036	1931	0	1931	15967
36	COLA LIFE/75%	NONE	ACOL A	1205	12332	497	228	0	14262	3632	0	3632	17894
37	COLA LIFE/50%	NONE	ACOL A	1239	12197	499	234	0	14169	2757	0	2757	16926
38	COLA LIFE/25%	NONE	ACOL A	1267	12089	501	239	0	14096	2141	0	2141	16237
39	COLA LIFE/0%	NONE	ACOL A	1289	12000	502	244	0	14035	1697	0	1697	15732
40	COLA 62/75% + 3% PEN	NONE	ACOL A	1249	12190	472	236	0	14147	2696	0	2696	16843
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	1133	12624	462	214	0	14433	3381	673	4054	18487
42	COLA 62/67% + 3% PEN	NONE	ACOL A	2004	12220	274	237	0	14735	2957	0	2957	17692
43	HIGH 3	NONE	ACOL B	1160	12510	494	219	0	14383	4953	0	4953	19336
44	DEC 30% (1.75 MULT)	NONE	ACOL B	1268	12081	502	240	0	14091	2755	0	2755	16846
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	1123	12669	491	212	0	14495	3610	626	4236	18731
46	3% PEN	NONE	ACOL B	1198	12405	496	226	0	14325	3583	0	3583	17908
47	3% PEN	210--0--0	ACOL B	1111	12734	490	211	0	14546	4241	511	4752	19298
48	COLA 62/50%	NONE	ACOL B	1232	12226	499	233	0	14190	3005	0	3005	17195
49	COLA 62/50%	160-40-50	ACOL B	1134	12622	492	214	0	14462	3639	445	4084	18546
50	COLA 62/75% + 3% PEN	NONE	ACOL B	1228	12269	498	232	0	14227	2810	0	2810	17037

L-R-88
ATCH 4

SERVICE: ARMY COMMUNITY: BOTH

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	1114	12699	489	210	0	14512	3553	687	4240	18752
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	2017	12117	274	244	0	14652	3322	0	3322	17974
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	1853	12719	274	222	0	15068	3993	628	4621	19689
54	3% PEN	NONE	DMSM(ACOL B)	1938	12434	273	234	0	14879	3824	0	3824	18703
55	3% PEN	210--0--0	DMSM(ACOL B)	1839	12788	274	220	0	15121	4388	516	4904	20025
56	COLA 62/50%	NONE	DMSM(ACOL B)	1977	12259	274	238	0	14748	3371	0	3371	18119
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	1865	12695	274	224	0	15058	3941	450	4391	19449
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	1972	12286	274	239	0	14771	3009	0	3009	17780
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	1840	12742	274	220	0	15076	3776	693	4469	19545
60	SS OFFSET=1.25%/YR	NONE	ACOL A	1203	12382	468	228	0	14281	3659	0	3659	17940
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	1161	12677	461	220	0	14519	4761	0	4761	19280
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	1153	12855	456	217	0	14681	4818	0	4818	19499
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	1206	12641	460	227	0	14534	4123	0	4123	18657
64	VEST 22,AFTER SHIFT	NONE	ACOL A	1270	12050	474	240	0	14034	2748	0	2748	16782
65	VEST 24,AFTER SHIFT	NONE	ACOL A	1313	11872	481	248	0	13914	2044	0	2044	15958
66	VEST 30,AFTER SHIFT	NONE	ACOL A	1375	11620	482	259	0	13737	1320	0	1320	15057
67	RMA	NONE	ACOL A	1196	12382	456	225	0	14299	3857	0	3857	18156
68	USRBA W/O LOAN	NONE	ACOL A	1204	12354	496	227	0	14281	3913	0	3913	18194
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	1137	12610	492	215	0	14454	4343	387	4730	19184
70	PPSSCC OSD 24B	NONE	ACOL A	1290	11996	474	243	0	14003	986	0	986	14989
71	PPSSCC USAF 1.9%	NONE	ACOL A	1337	11827	474	251	0	13889	892	0	892	14781

L-B-89
ATCH 4

SERVICE: ARMY COMMUNITY: BOTH

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	1150	12580	492	217	0	14439	5174	0	5174	19613
3	HIGH 3	NONE	ACOL A	13	-84	-27	3	0	-95	-285	0	-285	-380
4	DEC 10%	NONE	ACOL A	47	-228	-24	9	0	-196	-1051	0	-1051	-1247
5	DEC 20%	NONE	ACOL A	82	-364	-21	16	0	-287	-1758	0	-1758	-2045
6	DEC 20%	150--30--70	ACOL A	-1	-32	-28	0	0	-61	-1177	411	-766	-827
7	DEC 30%	NONE	ACOL A	114	-490	-20	22	0	-374	-2403	0	-2403	-2777
8	DEC 30%	210--0--0	ACOL A	17	-171	-25	3	0	-176	-1763	508	-1255	-1431
9	DEC 30%	210--60--100	ACOL A	-10	36	-28	-2	0	-4	-1632	613	-1019	-1023
10	DEC 40%	NONE	ACOL A	141	-600	-19	26	0	-452	-2980	0	-2980	-3432
11	DEC 50%	NONE	ACOL A	167	-703	-17	30	0	-523	-3498	0	-3498	-4021
12	1% PENALTY	NONE	ACOL A	37	-154	-25	5	0	-137	-843	0	-843	-980
13	1% PEN	90--0--0	ACOL A	-4	-11	-28	-3	0	-46	-496	216	-280	-326
14	2% PEN	NONE	ACOL A	60	-224	-24	12	0	-176	-1343	0	-1343	-1519
15	2% PEN	150--0--0	ACOL A	-9	22	-28	-1	0	-16	-804	358	-446	-462
16	3% PEN	NONE	ACOL A	73	-267	-23	15	0	-202	-1742	0	-1742	-1944
17	3% PEN	210--0--0	ACOL A	-16	67	-28	-2	0	21	-1071	499	-572	-551
18	4% PEN	NONE	ACOL A	78	-271	-23	15	0	-201	-2114	0	-2114	-2315
19	4% PEN	270--0--0	ACOL A	-34	162	-30	-6	0	92	-1239	645	-594	-502
20	5% PEN	NONE	ACOL A	82	-268	-23	12	0	-197	-2207	0	-2207	-2404
21	6% PEN	NONE	ACOL A	83	-256	-24	11	0	-186	-2328	0	-2328	-2514
22	6% PEN	390--0--0	ACOL A	-81	418	-36	-15	0	286	-1363	955	-408	-122
23	COLA 30/90%	NONE	ACOL A	22	-112	-26	4	0	-112	-537	0	-537	-649
24	COLA 30/75%	NONE	ACOL A	35	-154	-25	7	0	-137	-889	0	-889	-1026
25	COLA 30/67%	NONE	ACOL A	41	-175	-25	8	0	-151	-1063	0	-1063	-1214
26	COLA 30/50%	NONE	ACOL A	53	-221	-24	10	0	-182	-1408	0	-1408	-1590
27	COLA 30/33%	NONE	ACOL A	68	-262	-23	13	0	-204	-1719	0	-1719	-1923
28	COLA 30/0%	NONE	ACOL A	80	-312	-22	16	0	-238	-2199	0	-2199	-2437
29	COLA 62/90%	NONE	ACOL A	28	-146	-25	5	0	-138	-844	0	-844	-982
30	COLA 62/75%	NONE	ACOL A	50	-232	-24	9	0	-197	-1430	0	-1430	-1627
31	COLA 62/67%	NONE	ACOL A	61	-274	-23	12	0	-224	-1641	0	-1641	-1865
32	COLA 62/50%	NONE	ACOL A	82	-355	-21	16	0	-278	-2190	0	-2190	-2468
33	COLA 62/50%	160--40--50	ACOL A	-7	12	-28	-1	0	-24	-1573	440	-1133	-1157
34	COLA 62/33%	NONE	ACOL A	100	-427	-20	19	0	-328	-2629	0	-2629	-2957
35	COLA 62/0%	NONE	ACOL A	125	-532	-19	23	0	-403	-3243	0	-3243	-3646
36	COLA LIFE/75%	NONE	ACOL A	55	-248	5	11	0	-177	-1542	0	-1542	-1719
37	COLA LIFE/50%	NONE	ACOL A	89	-383	7	17	0	-270	-2417	0	-2417	-2687
38	COLA LIFE/25%	NONE	ACOL A	117	-491	9	22	0	-343	-3033	0	-3033	-3376
39	COLA LIFE/0%	NONE	ACOL A	139	-580	10	27	0	-404	-3477	0	-3477	-3881
40	COLA 62/75% + 3% PEN	NONE	ACOL A	99	-390	-20	19	0	-292	-2478	0	-2478	-2770
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	-17	44	-30	-3	0	-6	-1793	673	-1120	-1126
42	COLA 62/67% + 3% PEN	NONE	ACOL A	854	-360	-218	20	0	296	-2217	0	-2217	-1921
43	HIGH 3	NONE	ACOL B	10	-70	2	2	0	-56	-221	0	-221	-277
44	DEC 30% (1.75 MULT)	NONE	ACOL B	118	-499	10	23	0	-348	-2419	0	-2419	-2767
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-27	89	-1	-5	0	56	-1564	626	-938	-882
46	3% PEN	NONE	ACOL B	48	-175	4	9	0	-114	-1591	0	-1591	-1705
47	3% PEN	210--0--0	ACOL B	-39	154	-2	-6	0	107	-933	511	-422	-315
48	COLA 62/50%	NONE	ACOL B	82	-354	7	16	0	-249	-2169	0	-2169	-2418
49	COLA 62/50%	160-40-50	ACOL B	-16	42	0	-3	0	23	-1535	445	-1090	-1067
50	COLA 62/75% + 3% PEN	NONE	ACOL B	78	-311	6	15	0	-212	-2364	0	-2364	-2576

ATCH 4
L-8-90

SERVICE: ARMY COMMUNITY: BOTH

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-36	119	-3	-7	0	73	-1621	687	-934	-861
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	867	-463	-218	27	0	213	-1852	0	-1852	-1639
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	703	139	-218	5	0	629	-1181	628	-553	76
54	3% PEN	NONE	DMSM(ACOL B)	788	-146	-219	17	0	440	-1350	0	-1350	-910
55	3% PEN	210--0--0	DMSM(ACOL B)	689	208	-218	3	0	682	-786	516	-270	412
56	COLA 62/50%	NONE	DMSM(ACOL B)	827	-321	-218	21	0	309	-1803	0	-1803	-1494
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	715	115	-218	7	0	619	-1233	450	-783	-164
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	822	-294	-218	22	0	332	-2165	0	-2165	-1833
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	690	162	-218	3	0	637	-1398	693	-705	-68
60	SS OFFSET=1.25%/YR	NONE	ACOL A	53	-198	-24	11	0	-158	-1515	0	-1515	-1673
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	11	97	-31	3	0	80	-413	0	-413	-333
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	3	275	-36	0	0	242	-356	0	-356	-114
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	56	61	-32	10	0	95	-1051	0	-1051	-956
64	VEST 22,AFTER SHIFT	NONE	ACOL A	120	-530	-18	23	0	-405	-2426	0	-2426	-2831
65	VEST 24,AFTER SHIFT	NONE	ACOL A	163	-708	-11	31	0	-525	-3130	0	-3130	-3655
66	VEST 30,AFTER SHIFT	NONE	ACOL A	226	-960	-10	42	0	-702	-3854	0	-3854	-4556
67	RMA	NONE	ACOL A	46	-198	4	8	0	-140	-1317	0	-1317	-1457
68	USRBA W/O LOAN	NONE	ACOL A	54	-226	4	10	0	-158	-1261	0	-1261	-1419
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-13	30	0	-2	0	15	-831	387	-444	-429
70	PPSSCC OSD 24B	NONE	ACOL A	140	-584	-18	26	0	-436	-4188	0	-4188	-4624
71	PPSSCC USAF 1.9%	NONE	ACOL A	187	-753	-18	34	0	-550	-4282	0	-4282	-4832

SERVICE: ARMY COMMUNITY: BOTH

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	1150	12580	492	217	0	14439	5174	0	5174	19613
3	HIGH 3	NONE	ACOL A	1	-1	-5	1	0	-1	-6	0	-6	-2
4	DEC 10%	NONE	ACOL A	4	-2	-5	4	0	-1	-20	0	-20	-6
5	DEC 20%	NONE	ACOL A	7	-3	-4	7	0	-2	-34	0	-34	-10
6	DEC 20%	150--30--70	ACOL A	0	0	-6	0	0	0	-23	******	-15	-4
7	DEC 30%	NONE	ACOL A	10	-4	-4	10	0	-3	-46	0	-46	-14
8	DEC 30%	210--0--0	ACOL A	1	-1	-5	1	0	-1	-34	******	-24	-7
9	DEC 30%	210--60--100	ACOL A	-1	0	-6	-1	0	0	-32	******	-20	-5
10	DEC 40%	NONE	ACOL A	12	-5	-4	12	0	-3	-58	0	-58	-17
11	DEC 50%	NONE	ACOL A	15	-6	-3	14	0	-4	-68	0	-68	-21
12	1% PENALTY	NONE	ACOL A	3	-1	-5	2	0	-1	-16	0	-16	-5
13	1% PEN	90--0--0	ACOL A	0	0	-6	-1	0	0	-10	******	-5	-2
14	2% PEN	NONE	ACOL A	5	-2	-5	6	0	-1	-26	0	-26	-8
15	2% PEN	150--0--0	ACOL A	-1	0	-6	0	0	0	-16	******	-9	-2
16	3% PEN	NONE	ACOL A	6	-2	-5	7	0	-1	-34	0	-34	-10
17	3% PEN	210--0--0	ACOL A	-1	1	-6	-1	0	0	-21	******	-11	-3
18	4% PEN	NONE	ACOL A	7	-2	-5	7	0	-1	-41	0	-41	-12
19	4% PEN	270--0--0	ACOL A	-3	1	-6	-3	0	1	-24	******	-11	-3
20	5% PEN	NONE	ACOL A	7	-2	-5	6	0	-1	-43	0	-43	-12
21	6% PEN	NONE	ACOL A	7	-2	-5	5	0	-1	-45	0	-45	-13
22	6% PEN	390--0--0	ACOL A	-7	3	-7	-7	0	2	-26	******	-8	-1
23	COLA 30/90%	NONE	ACOL A	2	-1	-5	2	0	-1	-10	0	-10	-3
24	COLA 30/75%	NONE	ACOL A	3	-1	-5	3	0	-1	-17	0	-17	-5
25	COLA 30/67%	NONE	ACOL A	4	-1	-5	4	0	-1	-21	0	-21	-6
26	COLA 30/50%	NONE	ACOL A	5	-2	-5	5	0	-1	-27	0	-27	-8
27	COLA 30/33%	NONE	ACOL A	6	-2	-5	6	0	-1	-33	0	-33	-10
28	COLA 30/0%	NONE	ACOL A	7	-2	-4	7	0	-2	-43	0	-43	-12
29	COLA 62/90%	NONE	ACOL A	2	-1	-5	2	0	-1	-16	0	-16	-5
30	COLA 62/75%	NONE	ACOL A	4	-2	-5	4	0	-1	-28	0	-28	-8
31	COLA 62/67%	NONE	ACOL A	5	-2	-5	6	0	-2	-32	0	-32	-10
32	COLA 62/50%	NONE	ACOL A	7	-3	-4	7	0	-2	-42	0	-42	-13
33	COLA 62/50%	160--40--50	ACOL A	-1	0	-6	0	0	0	-30	******	-22	-6
34	COLA 62/33%	NONE	ACOL A	9	-3	-4	9	0	-2	-51	0	-51	-15
35	COLA 62/0%	NONE	ACOL A	11	-4	-4	11	0	-3	-63	0	-63	-19
36	COLA LIFE/75%	NONE	ACOL A	5	-2	1	5	0	-1	-30	0	-30	-9
37	COLA LIFE/50%	NONE	ACOL A	8	-3	1	8	0	-2	-47	0	-47	-14
38	COLA LIFE/25%	NONE	ACOL A	10	-4	2	10	0	-2	-59	0	-59	-17
39	COLA LIFE/0%	NONE	ACOL A	12	-5	2	12	0	-3	-67	0	-67	-20
40	COLA 62/75% + 3% PEN	NONE	ACOL A	9	-3	-4	9	0	-2	-48	0	-48	-14
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	-1	0	-6	-1	0	0	-35	******	-22	-6
42	COLA 62/67% + 3% PEN	NONE	ACOL A	74	-3	-44	9	0	2	-43	0	-43	-10
43	HIGH 3	NONE	ACOL B	1	-1	0	1	0	0	-4	0	-4	-1
44	DEC 30% (1.75 MULT)	NONE	ACOL B	10	-4	2	11	0	-2	-47	0	-47	-14
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-2	1	0	-2	0	0	-30	******	-18	-4
46	3% PEN	NONE	ACOL B	4	-1	1	4	0	-1	-31	0	-31	-9
47	3% PEN	210--0--0	ACOL B	-3	1	0	-3	0	1	-18	******	-8	-2
48	COLA 62/50%	NONE	ACOL B	7	-3	1	7	0	-2	-42	0	-42	-12
49	COLA 62/50%	160-40-50	ACOL B	-1	0	0	-1	0	0	-30	******	-21	-5
50	COLA 62/75% + 3% PEN	NONE	ACOL B	7	-2	1	7	0	-1	-46	0	-46	-13

L-B-92
ATCH 4

SERVICE: ARMY COMMUNITY: BOTH

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-3	1	-1	-3	0	1	-31	******	-18	-4
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	75	-4	-44	12	0	1	-36	0	-36	-8
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	61	1	-44	2	0	4	-23	******	-11	0
54	3% PEN	NONE	DMSM(ACOL B)	69	-1	-45	8	0	3	-26	0	-26	-5
55	3% PEN	210--0--0	DMSM(ACOL B)	60	2	-44	1	0	5	-15	******	-5	2
56	COLA 62/50%	NONE	DMSM(ACOL B)	72	-3	-44	10	0	2	-35	0	-35	-8
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	62	1	-44	3	0	4	-24	******	-15	-1
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	71	-2	-44	10	0	2	-42	0	-42	-9
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	60	1	-44	1	0	4	-27	******	-14	0
60	SS OFFSET=1.25%/YR	NONE	ACOL A	5	-2	-5	5	0	-1	-29	0	-29	-9
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	1	1	-6	1	0	1	-8	0	-8	-2
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	0	2	-7	0	0	2	-7	0	-7	-1
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	5	0	-7	5	0	1	-20	0	-20	-5
64	VEST 22,AFTER SHIFT	NONE	ACOL A	10	-4	-4	11	0	-3	-47	0	-47	-14
65	VEST 24,AFTER SHIFT	NONE	ACOL A	14	-6	-2	14	0	-4	-60	0	-60	-19
66	VEST 30,AFTER SHIFT	NONE	ACOL A	20	-8	-2	19	0	-5	-74	0	-74	-23
67	RMA	NONE	ACOL A	4	-2	1	4	0	-1	-25	0	-25	-7
68	USRBA W/O LOAN	NONE	ACOL A	5	-2	1	5	0	-1	-24	0	-24	-7
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-1	0	0	-1	0	0	-16	******	-9	-2
70	PPSSCC OSD 24B	NONE	ACOL A	12	-5	-4	12	0	-3	-81	0	-81	-24
71	PPSSCC USAF 1.9%	NONE	ACOL A	16	-5	-4	16	0	-4	-83	0	-83	-25

SERVICE: NAVY COMMUNITY: OFF

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	1596	1857	113	31	0	3597	1108	0	1108	4705
3	HIGH 3	NONE	ACOL A	1601	1861	176	31	0	3669	1066	0	1066	4735
4	DEC 10%	NONE	ACOL A	1667	1834	174	33	0	3708	925	0	925	4633
5	DEC 20%	NONE	ACOL A	1737	1808	171	34	0	3750	788	0	788	4538
6	DEC 20%	150--30--70	ACOL A	1581	1866	177	31	0	3655	859	90	949	4604
7	DEC 30%	NONE	ACOL A	1811	1779	167	35	0	3792	657	0	657	4449
8	DEC 30%	210--0--0	ACOL A	1624	1836	178	32	0	3670	748	99	847	4517
9	DEC 30%	210--60--100	ACOL A	1552	1880	177	30	0	3639	757	135	892	4531
10	DEC 40%	NONE	ACOL A	1888	1751	164	37	0	3840	534	0	534	4374
11	DEC 50%	NONE	ACOL A	1968	1722	159	38	0	3887	418	0	418	4305
12	1% PENALTY	NONE	ACOL A	1640	1854	173	32	0	3699	985	0	985	4684
13	1% PEN	90--0--0	ACOL A	1567	1878	177	31	0	3653	1029	42	1071	4724
14	2% PEN	NONE	ACOL A	1670	1847	170	33	0	3720	912	0	912	4632
15	2% PEN	150--0--0	ACOL A	1552	1888	177	30	0	3647	985	69	1054	4701
16	3% PEN	NONE	ACOL A	1686	1843	168	33	0	3730	858	0	858	4588
17	3% PEN	210--0--0	ACOL A	1527	1900	177	30	0	3634	951	96	1047	4681
18	4% PEN	NONE	ACOL A	1694	1842	167	33	0	3736	760	0	760	4496
19	4% PEN	270--0--0	ACOL A	1495	1914	177	29	0	3615	924	124	1048	4663
20	5% PEN	NONE	ACOL A	1699	1841	166	33	0	3739	786	0	786	4525
21	6% PEN	NONE	ACOL A	1707	1837	166	33	0	3743	760	0	760	4503
22	6% PEN	390--0--0	ACOL A	1425	1945	179	28	0	3577	887	181	1068	4645
23	COLA 30/90%	NONE	ACOL A	1616	1858	175	31	0	3680	1023	0	1023	4703
24	COLA 30/75%	NONE	ACOL A	1637	1853	174	32	0	3696	963	0	963	4659
25	COLA 30/67%	NONE	ACOL A	1648	1850	173	32	0	3703	933	0	933	4636
26	COLA 30/50%	NONE	ACOL A	1668	1844	171	33	0	3716	874	0	874	4590
27	COLA 30/33%	NONE	ACOL A	1702	1838	170	33	0	3743	821	0	821	4564
28	COLA 30/0%	NONE	ACOL A	1702	1831	169	33	0	3735	735	0	735	4470
29	COLA 62/90%	NONE	ACOL A	1628	1852	175	32	0	3687	951	0	951	4638
30	COLA 62/75%	NONE	ACOL A	1667	1838	173	32	0	3710	852	0	852	4562
31	COLA 62/67%	NONE	ACOL A	1667	1830	172	32	0	3701	828	0	828	4529
32	COLA 62/50%	NONE	ACOL A	1727	1815	170	34	0	3746	728	0	728	4474
33	COLA 62/50%	160--40--50	ACOL A	1556	1881	177	30	0	3644	810	95	905	4549
34	COLA 62/33%	NONE	ACOL A	1765	1800	168	34	0	3767	631	0	631	4398
35	COLA 62/0%	NONE	ACOL A	1831	1776	165	36	0	3808	505	0	505	4313
36	COLA LIFE/75%	NONE	ACOL A	1681	1830	171	33	0	3655	827	0	827	4482
37	COLA LIFE/50%	NONE	ACOL A	1747	1804	110	34	0	3695	651	0	651	4346
38	COLA LIFE/25%	NONE	ACOL A	1804	1782	108	35	0	3729	521	0	521	4250
39	COLA LIFE/0%	NONE	ACOL A	1852	1763	107	36	0	3758	426	0	426	4184
40	COLA 62/75% + 3% PEN	NONE	ACOL A	1737	1821	166	34	0	3758	717	0	717	4475
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	1578	1877	175	31	0	3661	767	89	856	4517
42	COLA 62/67% + 3% PEN	NONE	ACOL A	2149	1963	188	33	0	4333	757	0	757	5090
43	HIGH 3	NONE	ACOL B	1604	1860	112	31	0	3697	1067	0	1067	4674
44	DEC 30% (1.75 MULT)	NONE	ACOL B	1810	1778	108	35	0	3731	658	0	658	4389
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	1542	1882	113	30	0	3567	764	136	900	4467
46	3% PEN	NONE	ACOL B	1664	1849	109	32	0	3654	872	0	872	4526
47	3% PEN	210--0--0	ACOL B	1534	1902	113	30	0	3559	961	97	1058	4617
48	COLA 62/50%	NONE	ACOL B	1725	1815	110	34	0	3684	730	0	730	4414
49	COLA 62/50%	160-40-50	ACOL B	1550	1881	113	30	0	3574	814	95	909	4483
50	COLA 62/75% + 3% PEN	NONE	ACOL B	1713	1827	109	33	0	3682	729	0	729	4411

SERVICE: NAVY COMMUNITY: OFF

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	1562	1880	112	30	6	3584	803	90	893	4477
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	2205	1924	188	55	0	4372	793	0	793	5165
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	1939	2029	188	48	0	4204	863	138	1001	5205
54	3% PEN	NONE	DMSM(ACOL B)	2061	1991	188	52	0	4292	912	0	912	5204
55	3% PEN	210--0--0	DMSM(ACOL B)	1911	2045	188	47	0	4191	976	99	1075	5266
56	COLA 62/50%	NONE	DMSM(ACOL B)	2121	1960	188	52	0	4321	861	0	861	5182
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	1947	2026	188	48	0	4209	918	98	1016	5225
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	2109	1971	188	53	0	4321	776	0	776	5097
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	1959	2023	188	48	0	4218	856	92	948	5166
60	SS OFFSET=1.25%/YR	NONE	ACOL A	1658	1852	171	32	0	3713	786	0	786	4499
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	1557	1908	173	30	0	3668	1058	0	1058	4726
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	1561	1915	171	30	0	3677	1039	0	1039	4716
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	1680	1864	163	33	0	3740	895	0	895	4635
64	VEST 22,AFTER SHIFT	NONE	ACOL A	1836	1774	161	36	0	3807	722	0	722	4529
65	VEST 24,AFTER SHIFT	NONE	ACOL A	1997	1699	152	39	0	3887	581	0	581	4468
66	VEST 30,AFTER SHIFT	NONE	ACOL A	2266	1590	139	44	0	4039	368	0	368	4407
67	RMA	NONE	ACOL A	1666	1842	110	32	0	3650	860	0	860	4510
68	USRBA W/O LOAN	NONE	ACOL A	1689	1835	109	33	0	3666	832	0	832	4498
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	1557	1881	112	30	0	3580	927	75	1002	4582
70	PPSSCC OSD 24B	NONE	ACOL A	1811	1789	162	35	0	3797	375	0	375	4172
71	PPSSCC USAF 1.9%	NONE	ACOL A	2029	1704	153	40	0	3926	232	0	232	4158

SERVICE: NAVY COMMUNITY: OFF

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	1596	1857	113	31	0	3597	1108	0	1108	4705
3	HIGH 3	NONE	ACOL A	5	4	63	0	0	72	-42	0	-42	30
4	DEC 10%	NONE	ACOL A	71	-23	61	2	0	111	-183	0	-183	-72
5	DEC 20%	NONE	ACOL A	141	-49	58	3	0	153	-320	0	-320	-167
6	DEC 20%	150--30--70	ACOL A	-15	9	64	0	0	58	-249	90	-159	-101
7	DEC 30%	NONE	ACOL A	215	-78	54	4	0	195	-451	0	-451	-256
8	DEC 30%	210--0--0	ACOL A	28	-21	65	1	0	73	-360	99	-261	-188
9	DEC 30%	210--60--100	ACOL A	-44	23	64	-1	0	42	-351	135	-216	-174
10	DEC 40%	NONE	ACOL A	292	-106	51	6	0	243	-574	0	-574	-331
11	DEC 50%	NONE	ACOL A	372	-135	46	7	0	290	-690	0	-690	-400
12	1% PENALTY	NONE	ACOL A	44	-3	60	1	0	102	-123	0	-123	-21
13	1% PEN	90--0--0	ACOL A	-29	21	64	0	0	56	-79	42	-37	19
14	2% PEN	NONE	ACOL A	74	-10	57	2	0	123	-196	0	-196	-73
15	2% PEN	150--0--0	ACOL A	-44	31	64	-1	0	50	-123	69	-54	-4
16	3% PEN	NONE	ACOL A	90	-14	55	2	0	133	-250	0	-250	-117
17	3% PEN	210--0--0	ACOL A	-69	43	64	-1	0	37	-157	96	-61	-24
18	4% PEN	NONE	ACOL A	98	-15	54	2	0	139	-348	0	-348	-209
19	4% PEN	270--0--0	ACOL A	-101	57	64	-2	0	18	-184	124	-60	-42
20	5% PEN	NONE	ACOL A	103	-16	53	2	0	142	-322	0	-322	-180
21	6% PEN	NONE	ACOL A	111	-20	53	2	0	146	-348	0	-348	-202
22	6% PEN	390--0--0	ACOL A	-171	88	66	-3	0	-20	-221	181	-40	-60
23	COLA 30/90%	NONE	ACOL A	20	1	62	0	0	83	-85	0	-85	-2
24	COLA 30/75%	NONE	ACOL A	41	-4	61	1	0	99	-145	0	-145	-46
25	COLA 30/67%	NONE	ACOL A	52	-7	60	1	0	106	-175	0	-175	-69
26	COLA 30/50%	NONE	ACOL A	72	-13	58	2	0	119	-234	0	-234	-115
27	COLA 30/33%	NONE	ACOL A	106	-19	57	2	0	146	-287	0	-287	-141
28	COLA 30/0%	NONE	ACOL A	106	-26	56	2	0	138	-373	0	-373	-235
29	COLA 62/90%	NONE	ACOL A	32	-5	62	1	0	90	-157	0	-157	-67
30	COLA 62/75%	NONE	ACOL A	71	-19	60	1	0	113	-256	0	-256	-143
31	COLA 62/67%	NONE	ACOL A	71	-27	59	1	0	104	-280	0	-280	-176
32	COLA 62/50%	NONE	ACOL A	131	-42	57	3	0	149	-380	0	-380	-231
33	COLA 62/50%	160--40--50	ACOL A	-40	24	64	-1	0	47	-298	95	-203	-156
34	COLA 62/33%	NONE	ACOL A	169	-57	55	3	0	170	-477	0	-477	-307
35	COLA 62/0%	NONE	ACOL A	235	-81	52	5	0	211	-603	0	-603	-392
36	COLA LIFE/75%	NONE	ACOL A	85	-27	-2	2	0	58	-281	0	-281	-223
37	COLA LIFE/50%	NONE	ACOL A	151	-53	-3	3	0	98	-457	0	-457	-359
38	COLA LIFE/25%	NONE	ACOL A	208	-75	-5	4	0	132	-587	0	-587	-455
39	COLA LIFE/0%	NONE	ACOL A	256	-94	-6	5	0	161	-682	0	-682	-521
40	COLA 62/75% + 3% PEN	NONE	ACOL A	141	-36	53	3	0	161	-391	0	-391	-230
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	-18	20	62	0	0	64	-341	89	-252	-188
42	COLA 62/67% + 3% PEN	NONE	ACOL A	553	106	75	2	0	736	-351	0	-351	385
43	HIGH 3	NONE	ACOL B	8	3	-1	0	0	10	-41	0	-41	-31
44	DEC 30% (1.75 MULT)	NONE	ACOL B	214	-79	-5	4	0	134	-450	0	-450	-316
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-54	25	0	-1	0	-30	-344	136	-208	-238
46	3% PEN	NONE	ACOL B	68	-8	-4	1	0	57	-236	0	-236	-179
47	3% PEN	210--0--0	ACOL B	-82	45	0	-1	0	-38	-147	97	-50	-88
48	COLA 62/50%	NONE	ACOL B	129	-42	-3	3	0	87	-378	0	-378	-291
49	COLA 62/50%	160-40-50	ACOL B	-46	24	0	-1	0	-23	-294	95	-199	-222
50	COLA 62/75% + 3% PEN	NONE	ACOL B	117	-30	-4	2	0	85	-379	0	-379	-294

ATCH 4
1-R-96

SERVICE: NAVY COMMUNITY: OFF

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	-34	23	-1	-1	0	-13	-305	90	-215	-228
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	609	67	75	24	0	775	-315	0	-315	460
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	343	172	75	17	0	607	-245	138	-107	500
54	3% PEN	NONE	DMSM(ACOL B)	455	134	75	21	0	695	-196	0	-196	499
55	3% PEN	210--0--0	DMSM(ACOL B)	315	188	75	16	0	594	-132	99	-33	561
56	COLA 62/50%	NONE	DMSM(ACOL B)	525	103	75	21	0	724	-247	0	-247	477
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	351	169	75	17	0	612	-190	98	-92	520
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	513	114	75	22	0	724	-332	0	-332	392
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DMSM(ACOL B)	363	166	75	17	0	621	-252	92	-160	461
60	SS OFFSET=1.25%/YR	NONE	ACOL A	62	-5	58	1	0	116	-322	0	-322	-206
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-39	51	60	-1	0	71	-50	0	-50	21
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-35	58	58	-1	0	80	-69	0	-69	11
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	84	7	50	2	0	143	-213	0	-213	-70
64	VEST 22,AFTER SHIFT	NONE	ACOL A	240	-83	48	5	0	210	-386	0	-386	-176
65	VEST 24,AFTER SHIFT	NONE	ACOL A	401	-158	39	8	0	290	-527	0	-527	-237
66	VEST 30,AFTER SHIFT	NONE	ACOL A	670	-267	26	13	0	442	-740	0	-740	-298
67	RMA	NONE	ACOL A	70	-15	-3	1	0	53	-248	0	-248	-195
68	USRBA W/O LOAN	NONE	ACOL A	93	-22	-4	2	0	69	-276	0	-276	-207
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-39	24	-1	-1	0	-17	-181	75	-106	-123
70	PFSSCC OSD 24B	NONE	ACOL A	215	-68	49	4	0	200	-733	0	-733	-533
71	PFSSCC USAF 1.9%	NONE	ACOL A	433	-153	40	9	0	329	-876	0	-876	-547

SERVICE: NAVY COMMUNITY: OFF

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	1596	1857	113	31	0	3597	1108	0	1108	4705
3	HIGH 3	NONE	ACOL A	0	0	56	0	0	2	-4	0	-4	1
4	DEC 10%	NONE	ACOL A	4	-1	54	6	0	3	-17	0	-17	-2
5	DEC 20%	NONE	ACOL A	9	-3	51	10	0	4	-29	0	-29	-4
6	DEC 20%	150--30--70	ACOL A	-1	0	57	0	0	2	-22	******	-14	-2
7	DEC 30%	NONE	ACOL A	13	-4	48	13	0	5	-41	0	-41	-5
8	DEC 30%	210--0--0	ACOL A	2	-1	58	3	0	2	-32	******	-24	-4
9	DEC 30%	210--60--100	ACOL A	-3	1	57	-3	0	1	-32	******	-19	-4
10	DEC 40%	NONE	ACOL A	18	-6	45	19	0	7	-52	0	-52	-7
11	DEC 50%	NONE	ACOL A	23	-7	41	23	0	8	-62	0	-62	-9
12	1% PENALTY	NONE	ACOL A	3	0	53	3	0	3	-11	0	-11	0
13	1% PEN	90--0--0	ACOL A	-2	1	57	0	0	2	-7	******	-3	0
14	2% PEN	NONE	ACOL A	5	-1	50	6	0	3	-18	0	-18	-2
15	2% PEN	150--0--0	ACOL A	-3	2	57	-3	0	1	-11	******	-5	0
16	3% PEN	NONE	ACOL A	6	-1	49	6	0	4	-23	0	-23	-2
17	3% PEN	210--0--0	ACOL A	-4	2	57	-3	0	1	-14	******	-6	-1
18	4% PEN	NONE	ACOL A	6	-1	48	6	0	4	-31	0	-31	-4
19	4% PEN	270--0--0	ACOL A	-6	3	57	-6	0	1	-17	******	-5	-1
20	5% PEN	NONE	ACOL A	6	-1	47	6	0	4	-29	0	-29	-4
21	6% PEN	NONE	ACOL A	7	-1	47	6	0	4	-31	0	-31	-4
22	6% PEN	390--0--0	ACOL A	-11	5	58	-10	0	-1	-20	******	-4	-1
23	COLA 30/90%	NONE	ACOL A	1	0	55	0	0	2	-8	0	-8	0
24	COLA 30/75%	NONE	ACOL A	3	0	54	3	0	3	-13	0	-13	-1
25	COLA 30/67%	NONE	ACOL A	3	0	53	3	0	3	-16	0	-16	-1
26	COLA 30/50%	NONE	ACOL A	5	-1	51	6	0	3	-21	0	-21	-2
27	COLA 30/33%	NONE	ACOL A	7	-1	50	6	0	4	-26	0	-26	-3
28	COLA 30/0%	NONE	ACOL A	7	-1	50	6	0	4	-34	0	-34	-5
29	COLA 62/90%	NONE	ACOL A	2	0	55	3	0	3	-14	0	-14	-1
30	COLA 62/75%	NONE	ACOL A	4	-1	53	3	0	3	-23	0	-23	-3
31	COLA 62/67%	NONE	ACOL A	4	-1	52	3	0	3	-25	0	-25	-4
32	COLA 62/50%	NONE	ACOL A	8	-2	50	10	0	4	-34	0	-34	-5
33	COLA 62/50%	160--40--50	ACOL A	-3	1	57	-3	0	1	-27	******	-18	-3
34	COLA 62/33%	NONE	ACOL A	11	-3	49	10	0	5	-43	0	-43	-7
35	COLA 62/0%	NONE	ACOL A	15	-4	46	16	0	6	-54	0	-54	-8
36	COLA LIFE/75%	NONE	ACOL A	5	-1	-2	6	0	2	-25	0	-25	-5
37	COLA LIFE/50%	NONE	ACOL A	9	-3	-3	10	0	3	-41	0	-41	-8
38	COLA LIFE/25%	NONE	ACOL A	13	-4	-4	13	0	4	-53	0	-53	-10
39	COLA LIFE/0%	NONE	ACOL A	16	-5	-5	16	0	4	-62	0	-62	-11
40	COLA 62/75% + 3% PEN	NONE	ACOL A	9	-2	47	10	0	4	-35	0	-35	-5
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	-1	1	55	0	0	2	-31	******	-23	-4
42	COLA 62/67% + 3% PEN	NONE	ACOL A	35	6	66	6	0	20	-32	0	-32	8
43	HIGH 3	NONE	ACOL B	1	0	-1	0	0	0	-4	0	-4	-1
44	DEC 30% (1.75 MULT)	NONE	ACOL B	13	-4	-4	13	0	4	-41	0	-41	-7
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-3	1	0	-3	0	-1	-31	******	-19	-5
46	3% PEN	NONE	ACOL B	4	0	-4	3	0	2	-21	0	-21	-4
47	3% PEN	210--0--0	ACOL B	-5	2	0	-3	0	-1	-13	******	-5	-2
48	COLA 62/50%	NONE	ACOL B	8	-2	-3	10	0	2	-34	0	-34	-6
49	COLA 62/50%	160-40-50	ACOL B	-3	1	0	-3	0	-1	-27	******	-18	-5
50	COLA 62/75% + 3% PEN	NONE	ACOL B	7	-2	-4	6	0	2	-34	0	-34	-6

SERVICE: NAVY COMMUNITY: OFF

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	-2	1	-1	-3	0	0	-28	******	-19	-5
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	38	4	66	77	0	22	-28	0	-28	10
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	21	9	66	55	0	17	-22	******	-10	11
54	3% PEN	NONE	DMSM(ACOL B)	29	7	66	68	0	19	-18	0	-18	11
55	3% PEN	210--0--0	DMSM(ACOL B)	20	10	66	52	0	17	-12	******	-3	12
56	COLA 62/50%	NONE	DMSM(ACOL B)	33	6	66	68	0	20	-22	0	-22	10
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	22	9	66	55	0	17	-17	******	-8	11
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	32	6	66	71	0	20	-30	0	-30	8
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DMSM(ACOL B)	23	9	66	55	0	17	-23	******	-14	10
60	SS OFFSET=1.25%/YR	NONE	ACOL A	4	0	51	3	0	3	-29	0	-29	-4
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-2	3	53	-3	0	2	-5	0	-5	0
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-2	3	51	-3	0	2	-6	0	-6	0
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	5	0	44	6	0	4	-19	0	-19	-1
64	VEST 22,AFTER SHIFT	NONE	ACOL A	15	-4	42	16	0	6	-35	0	-35	-4
65	VEST 24,AFTER SHIFT	NONE	ACOL A	25	-9	35	26	0	8	-48	0	-48	-5
66	VEST 30,AFTER SHIFT	NONE	ACOL A	42	-14	23	42	0	12	-67	0	-67	-6
67	RMA	NONE	ACOL A	4	-1	-3	3	0	1	-22	0	-22	-4
68	USRBA W/O LOAN	NONE	ACOL A	6	-1	-4	6	0	2	-25	0	-25	-4
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-2	1	-1	-3	0	0	-16	******	-10	-3
70	PPSSCC CSD 24B	NONE	ACOL A	13	-4	43	13	0	6	-66	0	-66	-11
71	PPSSCC USAF 1.9%	NONE	ACOL A	27	-8	35	29	0	9	-79	0	-79	-12

SERVICE: NAVY COMMUNITY: ENL

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	507	7033	489	122	0	8151	2218	0	2218	10369
3	HIGH 3	NONE	ACOL A	512	6993	486	123	0	8114	2093	0	2093	10207
4	DEC 10%	NONE	ACOL A	523	6929	476	126	0	8054	1755	0	1755	9809
5	DEC 20%	NONE	ACOL A	535	6868	466	129	0	7998	1448	0	1448	9446
6	DEC 20%	150--30--70	ACOL A	508	7018	489	122	0	8137	1710	168	1878	10015
7	DEC 30%	NONE	ACOL A	546	6812	456	131	0	7945	1168	0	1168	9113
8	DEC 30%	210--0--0	ACOL A	512	6963	487	123	0	8085	1456	215	1671	9756
9	DEC 30%	210--60--100	ACOL A	506	7048	490	122	0	8166	1516	249	1765	9931
10	DEC 40%	NONE	ACOL A	554	6766	448	133	0	7901	923	0	923	8824
11	DEC 50%	NONE	ACOL A	562	6725	442	135	0	7864	707	0	707	8571
12	1% PENALTY	NONE	ACOL A	521	6958	477	125	0	8081	1856	0	1856	9937
13	1% PEN	90--0--0	ACOL A	506	7026	490	122	0	8144	2020	92	2112	10256
14	2% PEN	NONE	ACOL A	530	6921	468	128	0	8047	1637	0	1637	9684
15	2% PEN	150--0--0	ACOL A	506	7039	490	122	0	8157	1897	152	2049	10206
16	3% PEN	NONE	ACOL A	540	6884	459	130	0	8013	1438	0	1438	9451
17	3% PEN	210--0--0	ACOL A	505	7053	490	122	0	8170	1783	211	1994	10164
18	4% PEN	NONE	ACOL A	544	6867	455	131	0	7997	1289	0	1289	9286
19	4% PEN	270--0--0	ACOL A	504	7068	491	121	0	8184	1678	270	1948	10132
20	5% PEN	NONE	ACOL A	544	6872	455	131	0	8002	1198	0	1198	9200
21	6% PEN	NONE	ACOL A	542	6892	455	131	0	8020	1153	0	1153	9173
22	6% PEN	390--0--0	ACOL A	489	7173	502	118	0	8282	1614	398	2012	10294
23	COLA 30/90%	NONE	ACOL A	515	6979	483	124	0	8101	1980	0	1980	10081
24	COLA 30/75%	NONE	ACOL A	520	6959	478	125	0	8082	1821	0	1821	9903
25	COLA 30/67%	NONE	ACOL A	522	6948	476	126	0	8072	1742	0	1742	9814
26	COLA 30/50%	NONE	ACOL A	527	6926	471	127	0	8051	1585	0	1585	9636
27	COLA 30/33%	NONE	ACOL A	532	6904	467	128	0	8031	1444	0	1444	9475
28	COLA 30/0%	NONE	ACOL A	540	6864	459	130	0	7993	1209	0	1209	9202
29	COLA 62/90%	NONE	ACOL A	517	6964	481	124	0	8086	1846	0	1846	9932
30	COLA 62/75%	NONE	ACOL A	525	6924	474	126	0	8049	1582	0	1582	9631
31	COLA 62/67%	NONE	ACOL A	528	6905	471	127	0	8031	1481	0	1481	9512
32	COLA 62/50%	NONE	ACOL A	536	6867	465	129	0	7997	1235	0	1235	9232
33	COLA 62/50%	160--40--50	ACOL A	506	7033	490	122	0	8151	1514	180	1694	9845
34	COLA 62/33%	NONE	ACOL A	542	6835	459	130	0	7966	1051	0	1051	9017
35	COLA 62/0%	NONE	ACOL A	551	6787	451	133	0	7922	787	0	787	8709
36	COLA LIFE/75%	NONE	ACOL A	526	6921	473	127	0	8047	1543	0	1543	9590
37	COLA LIFE/50%	NONE	ACOL A	537	6860	463	129	0	7989	1163	0	1163	9152
38	COLA LIFE/25%	NONE	ACOL A	547	6812	455	132	0	7946	899	0	899	8845
39	COLA LIFE/0%	NONE	ACOL A	554	6773	448	133	0	7908	710	0	710	8618
40	COLA 62/75% + 3% PEN	NONE	ACOL A	548	6828	452	132	0	7960	1106	0	1106	9066
41	COLA 62/75% + 3% PEN	200(G)/300(F)--0--0	ACOL A	501	7056	495	121	0	8173	1476	314	1790	9963
42	COLA 62/67% + 3% PEN	NONE	ACOL A	767	6704	484	133	0	8088	1022	0	1022	9110
43	HIGH 3	NONE	ACOL B	511	7000	486	123	0	8120	2099	0	2099	10219
44	DEC 30% (1.75 MULT)	NONE	ACOL B	546	6811	455	132	0	7944	1163	0	1163	9107
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	504	7060	491	121	0	8176	1527	252	1779	9955
46	3% PEN	NONE	ACOL B	551	6923	466	128	0	8048	1492	0	1492	9540
47	3% PEN	210--0--0	ACOL B	500	7078	494	120	0	8192	1815	213	2028	10220
48	COLA 62/50%	NONE	ACOL B	536	6869	464	129	0	7998	1249	0	1249	9247
49	COLA 62/50%	160-40-50	ACOL B	506	7037	490	122	0	8155	1517	181	1698	9853
50	COLA 62/75% + 3% PEN	NONE	ACOL B	541	6860	458	130	0	7989	1146	0	1146	9135

ATCH 4
L-L-100

SERVICE: NAVY COMMUNITY: ENL

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	498	7074	497	120	0	8189	1526	316	1842	10031
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	764	6715	484	132	0	8095	1280	0	1280	9375
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	721	7003	484	124	0	8332	1591	264	1855	10187
54	3% PEN	NONE	DMSM(ACOL B)	748	6824	484	130	0	8186	1418	0	1418	9604
55	3% PEN	210--0--0	DMSM(ACOL B)	718	6995	484	123	0	8320	1673	216	1889	10209
56	COLA 62/50%	NONE	DMSM(ACOL B)	753	6779	484	130	0	8146	1292	0	1292	9438
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	723	6975	484	124	0	8306	1534	189	1723	10029
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	758	6756	484	131	0	8129	1075	0	1075	9204
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	715	6992	484	123	0	8314	1431	320	1751	10065
60	SS OFFSET=1.25%/YR	NONE	ACOL A	528	6934	470	127	0	8059	1393	0	1393	9452
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	513	7062	480	123	0	8173	2059	0	2059	10237
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	514	7121	475	124	0	8234	2025	0	2025	10259
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	527	7093	462	127	0	8209	1827	0	1827	10036
64	VEST 22,AFTER SHIFT	NONE	ACOL A	567	6713	432	136	0	7848	1007	0	1007	8855
65	VEST 24,AFTER SHIFT	NONE	ACOL A	585	6612	417	141	0	7755	625	0	625	8380
66	VEST 30,AFTER SHIFT	NONE	ACOL A	598	6542	405	144	0	7689	355	0	355	8044
67	RMA	NONE	ACOL A	528	6929	470	127	0	8054	1627	0	1627	9681
68	USRBA W/O LOAN	NONE	ACOL A	527	6932	471	127	0	8057	1729	0	1729	9786
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	507	7035	488	122	0	8152	1862	164	2026	10178
70	PPSSCC OSD 24B	NONE	ACOL A	559	6769	442	135	0	7905	401	0	401	8305
71	PPSSCC USAF 1.9%	NONE	ACOL A	566	6728	437	136	0	7867	401	0	401	8268

SERVICE: NAVY COMMUNITY: ENL

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	507	7033	489	122	0	$151	2218	0	2218	10369
3	HIGH 3	NONE	ACOL A	5	-40	-3	1	0	-37	-125	0	-125	-162
4	DEC 10%	NONE	ACOL A	16	-104	-13	4	0	-97	-463	0	-463	-560
5	DEC 20%	NONE	ACOL A	28	-165	-23	7	0	-153	-770	0	-770	-923
6	DEC 20%	150--30--70	ACOL A	1	-15	0	0	0	-14	-508	168	-340	-354
7	DEC 30%	NONE	ACOL A	39	-221	-33	9	0	-206	-1050	0	-1050	-1256
8	DEC 30%	210--0--0	ACOL A	5	-70	-2	1	0	-66	-762	215	-547	-613
9	DEC 30%	210--60--100	ACOL A	-1	15	1	0	0	15	-702	249	-453	-438
10	DEC 40%	NONE	ACOL A	47	-267	-41	11	0	-250	-1295	0	-1295	-1545
11	DEC 50%	NONE	ACOL A	55	-308	-47	13	0	-287	-1511	0	-1511	-1798
12	1% PENALTY	NONE	ACOL A	14	-75	-12	3	0	-70	-362	0	-362	-432
13	1% PEN	90--0--0	ACOL A	-1	-7	1	0	0	-7	-198	92	-106	-113
14	2% PEN	NONE	ACOL A	23	-112	-21	6	0	-104	-581	0	-581	-685
15	2% PEN	150--0--0	ACOL A	-1	6	1	0	0	6	-321	152	-169	-163
16	3% PEN	NONE	ACOL A	33	-149	-30	8	0	-138	-780	0	-780	-918
17	3% PEN	210--0--0	ACOL A	-2	20	1	0	0	19	-435	211	-224	-205
18	4% PEN	NONE	ACOL A	37	-166	-34	9	0	-154	-929	0	-929	-1083
19	4% PEN	270--0--0	ACOL A	-3	35	2	-1	0	33	-540	270	-270	-237
20	5% PEN	NONE	ACOL A	37	-161	-34	9	0	-149	-1020	0	-1020	-1169
21	6% PEN	NONE	ACOL A	35	-141	-34	9	0	-131	-1065	0	-1065	-1196
22	6% PEN	390--0--0	ACOL A	-18	140	13	-4	0	131	-604	398	-206	-75
23	COLA 30/90%	NONE	ACOL A	8	-54	-6	2	0	-50	-238	0	-238	-288
24	COLA 30/75%	NONE	ACOL A	13	-74	-11	3	0	-69	-397	0	-397	-466
25	COLA 30/67%	NONE	ACOL A	15	-85	-13	4	0	-79	-476	0	-476	-555
26	COLA 30/50%	NONE	ACOL A	20	-107	-18	5	0	-100	-633	0	-633	-733
27	COLA 30/33%	NONE	ACOL A	25	-129	-22	6	0	-120	-774	0	-774	-894
28	COLA 30/0%	NONE	ACOL A	33	-169	-30	8	0	-158	-1009	0	-1009	-1167
29	COLA 62/90%	NONE	ACOL A	10	-69	-8	2	0	-65	-372	0	-372	-437
30	COLA 62/75%	NONE	ACOL A	18	-109	-15	4	0	-102	-636	0	-636	-738
31	COLA 62/67%	NONE	ACOL A	21	-128	-18	5	0	-120	-737	0	-737	-857
32	COLA 62/50%	NONE	ACOL A	29	-166	-24	7	0	-154	-983	0	-983	-1137
33	COLA 62/50%	160--40--50	ACOL A	-1	0	1	0	0	0	-704	180	-524	-524
34	COLA 62/33%	NONE	ACOL A	35	-198	-30	8	0	-185	-1167	0	-1167	-1352
35	COLA 62/0%	NONE	ACOL A	44	-246	-38	11	0	-229	-1431	0	-1431	-1660
36	COLA LIFE/75%	NONE	ACOL A	19	-112	-16	5	0	-104	-675	0	-675	-779
37	COLA LIFE/50%	NONE	ACOL A	30	-173	-26	7	0	-162	-1055	0	-1055	-1217
38	COLA LIFE/25%	NONE	ACOL A	40	-221	-34	10	0	-205	-1319	0	-1319	-1524
39	COLA LIFE/0%	NONE	ACOL A	47	-260	-41	11	0	-243	-1508	0	-1508	-1751
40	COLA 62/75% + 3% PEN	NONE	ACOL A	41	-205	-37	10	0	-191	-1112	0	-1112	-1303
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	-6	23	6	-1	0	22	-742	314	-428	-406
42	COLA 62/67% + 3% PEN	NONE	ACOL A	260	-329	-5	11	0	-63	-1196	0	-1196	-1259
43	HIGH 3	NONE	ACOL B	4	-33	-3	1	0	-31	-119	0	-119	-150
44	DEC 30% (1.75 MULT)	NONE	ACOL B	39	-222	-34	10	0	-207	-1055	0	-1055	-1262
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-3	27	2	-1	0	25	-691	252	-439	-414
46	3% PEN	NONE	ACOL B	24	-110	-23	6	0	-103	-726	0	-726	-829
47	3% PEN	210--0--0	ACOL B	-7	45	5	-2	0	41	-403	213	-190	-149
48	COLA 62/50%	NONE	ACOL B	29	-164	-25	7	0	-153	-969	0	-969	-1122
49	COLA 62/50%	160-40-50	ACOL B	-1	4	1	0	0	4	-701	181	-520	-516
50	COLA 62/75% + 3% PEN	NONE	ACOL B	34	-173	-31	8	0	-162	-1072	0	-1072	-1234

SERVICE: NAVY COMMUNITY: ENL

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-9	41	8	-2	0	38	-692	316	-376	-338
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	257	-318	-5	10	0	-56	-938	0	-938	-994
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	214	-30	-5	2	0	181	-627	264	-363	-182
54	3% PEN	NONE	DMSM(ACOL B)	241	-209	-5	8	0	35	-800	0	-800	-765
55	3% PEN	210--0--0	DMSM(ACOL B)	211	-38	-5	1	0	169	-545	216	-329	-160
56	COLA 62/50%	NONE	DMSM(ACOL B)	246	-254	-5	8	0	-5	-926	0	-926	-931
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	216	-58	-5	2	0	155	-684	189	-495	-340
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	251	-277	-5	9	0	-22	-1143	0	-1143	-1165
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	208	-41	-5	1	0	163	-787	320	-467	-304
60	SS OFFSET=1.25%/YR	NONE	ACOL A	21	-99	-19	5	0	-92	-825	0	-825	-917
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	6	29	-9	1	0	27	-159	0	-159	-132
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	7	88	-14	2	0	83	-193	0	-193	-110
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	20	60	-27	5	0	58	-391	0	-391	-333
64	VEST 22,AFTER SHIFT	NONE	ACOL A	60	-320	-57	14	0	-303	-1211	0	-1211	-1514
65	VEST 24,AFTER SHIFT	NONE	ACOL A	78	-421	-72	19	0	-396	-1593	0	-1593	-1989
66	VEST 30,AFTER SHIFT	NONE	ACOL A	91	-491	-84	22	0	-462	-1863	0	-1863	-2325
67	RMA	NONE	ACOL A	21	-104	-19	5	0	-97	-591	0	-591	-688
68	USRBA W/O LOAN	NONE	ACOL A	20	-101	-18	5	0	-94	-489	0	-489	-583
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	0	2	-1	0	0	1	-356	164	-192	-191
70	PPSSCC OSD 24B	NONE	ACOL A	52	-264	-47	13	0	-246	-1817	0	-1817	-2063
71	PPSSCC USAF 1.9%	NONE	ACOL A	59	-305	-52	14	0	-284	-1817	0	-1817	-2101

SERVICE: NAVY COMMUNITY: ENL

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	507	7033	489	122	0	8151	2218	0	2218	10369
3	HIGH 3	NONE	ACOL A	1	-1	-1	1	0	0	-6	0	-6	-2
4	DEC 10%	NONE	ACOL A	3	-1	-3	3	0	-1	-21	0	-21	-5
5	DEC 20%	NONE	ACOL A	6	-2	-5	6	0	-2	-35	0	-35	-9
6	DEC 20%	150--30--70	ACOL A	0	0	0	0	0	0	-23	******	-15	-3
7	DEC 30%	NONE	ACOL A	8	-3	-7	7	0	-3	-47	0	-47	-12
8	DEC 30%	210--0--0	ACOL A	1	-1	0	1	0	-1	-34	******	-25	-6
9	DEC 30%	210--60--100	ACOL A	0	0	0	0	0	0	-32	******	-20	-4
10	DEC 40%	NONE	ACOL A	9	-4	-8	9	0	-3	-58	0	-58	-15
11	DEC 50%	NONE	ACOL A	11	-4	-10	11	0	-4	-68	0	-68	-17
12	1% PENALTY	NONE	ACOL A	3	-1	-2	2	0	-1	-16	0	-16	-4
13	1% PEN	90--0--0	ACOL A	0	0	0	0	0	0	-9	******	-5	-1
14	2% PEN	NONE	ACOL A	5	-2	-4	5	0	-1	-26	0	-26	-7
15	2% PEN	150--0--0	ACOL A	0	0	0	0	0	0	-14	******	-8	-2
16	3% PEN	NONE	ACOL A	7	-2	-6	7	0	-2	-35	0	-35	-9
17	3% PEN	210--0--0	ACOL A	0	0	0	0	0	0	-20	******	-10	-2
18	4% PEN	NONE	ACOL A	7	-2	-7	7	0	-2	-42	0	-42	-10
19	4% PEN	270--0--0	ACOL A	-1	0	0	-1	0	0	-24	******	-12	-2
20	5% PEN	NONE	ACOL A	7	-2	-7	7	0	-2	-46	0	-46	-11
21	6% PEN	NONE	ACOL A	7	-2	-7	7	0	-2	-48	0	-48	-12
22	6% PEN	390--0--0	ACOL A	-4	2	3	-3	0	2	-27	******	-9	-1
23	COLA 30/90%	NONE	ACOL A	2	-1	-1	2	0	-1	-11	0	-11	-3
24	COLA 30/75%	NONE	ACOL A	3	-1	-2	2	0	-1	-18	0	-18	-4
25	COLA 30/67%	NONE	ACOL A	3	-1	-3	3	0	-1	-21	0	-21	-5
26	COLA 30/50%	NONE	ACOL A	4	-2	-4	4	0	-1	-29	0	-29	-7
27	COLA 30/33%	NONE	ACOL A	5	-2	-4	5	0	-1	-35	0	-35	-9
28	COLA 30/0%	NONE	ACOL A	7	-2	-6	7	0	-2	-45	0	-45	-11
29	COLA 62/90%	NONE	ACOL A	2	-1	-2	2	0	-1	-17	0	-17	-4
30	COLA 62/75%	NONE	ACOL A	4	-2	-3	3	0	-1	-29	0	-29	-7
31	COLA 62/67%	NONE	ACOL A	4	-2	-4	4	0	-1	-33	0	-33	-8
32	COLA 62/50%	NONE	ACOL A	6	-2	-5	6	0	-2	-44	0	-44	-11
33	COLA 62/50%	160--40--50	ACOL A	0	0	0	0	0	0	-32	******	-24	-5
34	COLA 62/33%	NONE	ACOL A	7	-3	-6	7	0	-2	-53	0	-53	-13
35	COLA 62/0%	NONE	ACOL A	9	-3	-8	9	0	-3	-65	0	-65	-16
36	COLA LIFE/75%	NONE	ACOL A	4	-2	-3	4	0	-1	-30	0	-30	-8
37	COLA LIFE/50%	NONE	ACOL A	6	-2	-5	6	0	-2	-48	0	-48	-12
38	COLA LIFE/25%	NONE	ACOL A	8	-3	-7	8	0	-3	-59	0	-59	-15
39	COLA LIFE/0%	NONE	ACOL A	9	-4	-8	9	0	-3	-68	0	-68	-17
40	COLA 62/75% + 3% PEN	NONE	ACOL A	8	-3	-8	8	0	-2	-50	0	-50	-13
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	-1	0	1	-1	0	0	-33	******	-19	-4
42	COLA 62/67% + 3% PEN	NONE	ACOL A	51	-5	-1	9	0	-1	-54	0	-54	-12
43	HIGH 3	NONE	ACOL B	1	0	-1	1	0	0	-5	0	-5	-1
44	DEC 30% (1.75 MULT)	NONE	ACOL B	8	-3	-7	8	0	-3	-48	0	-48	-12
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-1	0	0	-1	0	0	-31	******	-20	-4
46	3% PEN	NONE	ACOL B	5	-2	-5	5	0	-1	-33	0	-33	-8
47	3% PEN	210--0--0	ACOL B	-1	1	1	-2	0	1	-18	******	-9	-1
48	COLA 62/50%	NONE	ACOL B	6	-2	-5	6	0	-2	-44	0	-44	-11
49	COLA 62/50%	160-40-50	ACOL B	0	0	0	0	0	0	-32	******	-23	-5
50	COLA 62/75% + 3% PEN	NONE	ACOL B	7	-2	-6	7	0	-2	-48	0	-48	-12

SERVICE: NAVY COMMUNITY: ENL

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-2	1	2	-2	0	0	-31	******	-17	-3
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	51	-5	-1	8	0	-1	-42	0	-42	-10
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	42	0	-1	2	0	2	-28	******	-16	-2
54	3% PEN	NONE	DMSM(ACOL B)	48	-3	-1	7	0	0	-36	0	-36	-7
55	3% PEN	210--0--0	DMSM(ACOL B)	42	-1	-1	1	0	2	-25	******	-15	-2
56	COLA 62/50%	NONE	DMSM(ACOL B)	49	-4	-1	7	0	0	-42	0	-42	-9
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	43	-1	-1	2	0	2	-31	******	-22	-3
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	50	-4	-1	7	0	0	-52	0	-52	-11
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	41	-1	-1	1	0	2	-35	******	-21	-3
60	SS OFFSET=1.25%/YR	NONE	ACOL A	4	-1	-4	4	0	-1	-37	0	-37	-9
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	1	0	-2	1	0	0	-7	0	-7	-1
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	1	1	-3	2	0	1	-9	0	-9	-1
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	4	1	-6	4	0	1	-18	0	-18	-3
64	VEST 22,AFTER SHIFT	NONE	ACOL A	12	-5	-12	11	0	-4	-55	0	-55	-15
65	VEST 24,AFTER SHIFT	NONE	ACOL A	15	-6	-15	16	0	-5	-72	0	-72	-19
66	VEST 30,AFTER SHIFT	NONE	ACOL A	18	-7	-17	18	0	-6	-84	0	-84	-22
67	RMA	NONE	ACOL A	4	-1	-4	4	0	-1	-27	0	-27	-7
68	USRBA W/O LOAN	NONE	ACOL A	4	-1	-4	4	0	-1	-22	0	-22	-6
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	0	0	0	0	0	0	-16	******	-9	-2
70	PPSSCC OSD 24B	NONE	ACOL A	10	-4	-10	11	0	-3	-82	0	-82	-20
71	PPSSCC USAF 1.9%	NONE	ACOL A	12	-4	-11	11	0	-3	-82	0	-82	-20

SERVICE: NAVY COMMUNITY: BOTH

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	2103	8890	602	153	0	11748	3326	0	3326	15074
3	HIGH 3	NONE	ACOL A	2113	8854	662	154	0	11783	3159	0	3159	14942
4	DEC 10%	NONE	ACOL A	2190	8763	650	159	0	11762	2680	0	2680	14442
5	DEC 20%	NONE	ACOL A	2272	8676	637	163	0	11748	2236	0	2236	13984
6	DEC 20%	150--30--70	ACOL A	2089	8684	666	153	0	11792	2569	258	2827	14619
7	DEC 30%	NONE	ACOL A	2357	8591	623	166	0	11737	1825	0	1825	13562
8	DEC 30%	210--0--0	ACOL A	2136	8799	665	155	0	11755	2204	314	2518	14273
9	DEC 30%	210--60--100	ACOL A	2058	8928	667	152	0	11805	2273	384	2657	14462
10	DEC 40%	NONE	ACOL A	2442	8517	612	170	0	11741	1457	0	1457	13198
11	DEC 50%	NONE	ACOL A	2530	8447	601	173	0	11751	1125	0	1125	12876
12	1% PENALTY	NONE	ACOL A	2161	8812	650	157	0	11780	2841	0	2841	14621
13	1% PEN	90--0--0	ACOL A	2073	8904	667	153	0	11797	3049	134	3183	14980
14	2% PEN	NONE	ACOL A	2200	8768	638	161	0	11767	2549	0	2549	14316
15	2% PEN	150--0--0	ACOL A	2058	8927	667	152	0	11804	2882	221	3103	14907
16	3% PEN	NONE	ACOL A	2226	8727	627	163	0	11743	2296	0	2296	14039
17	3% PEN	210--0--0	ACOL A	2032	8953	667	152	0	11804	2734	307	3041	14845
18	4% PEN	NONE	ACOL A	2238	8709	622	164	0	11733	2049	0	2049	13782
19	4% PEN	270--0--0	ACOL A	1999	8982	668	150	0	11799	2602	394	2996	14795
20	5% PEN	NONE	ACOL A	2243	8713	621	164	0	11741	1984	0	1984	13725
21	6% PEN	NONE	ACOL A	2249	8729	621	164	0	11763	1913	0	1913	13676
22	6% PEN	390--0--0	ACOL A	1914	9118	681	146	0	11859	2501	579	3080	14939
23	COLA 30/90%	NONE	ACOL A	2131	8837	658	155	0	11781	3003	0	3003	14784
24	COLA 30/75%	NONE	ACOL A	2157	8812	652	157	0	11778	2784	0	2784	14562
25	COLA 30/67%	NONE	ACOL A	2170	8798	649	158	0	11775	2675	0	2675	14450
26	COLA 30/50%	NONE	ACOL A	2195	8770	642	160	0	11767	2459	0	2459	14226
27	COLA 30/33%	NONE	ACOL A	2234	8742	637	161	0	11774	2265	0	2265	14039
28	COLA 30/0%	NONE	ACOL A	2242	8695	628	163	0	11728	1944	0	1944	13672
29	COLA 62/90%	NONE	ACOL A	2145	8816	656	156	0	11773	2797	0	2797	14570
30	COLA 62/75%	NONE	ACOL A	2192	8762	647	158	0	11759	2434	0	2434	14193
31	COLA 62/67%	NONE	ACOL A	2195	8735	643	159	0	11732	2309	0	2309	14041
32	COLA 62/50%	NONE	ACOL A	2263	8682	635	163	0	11743	1963	0	1963	13706
33	COLA 62/50%	160--40--50	ACOL A	2062	8914	667	152	0	11795	2324	275	2599	14394
34	COLA 62/33%	NONE	ACOL A	2307	8635	627	164	0	11733	1682	0	1682	13415
35	COLA 62/0%	NONE	ACOL A	2382	8563	616	169	0	11730	1292	0	1292	13022
36	COLA LIFE/75%	NONE	ACOL A	2207	8751	584	160	0	11702	2370	0	2370	14072
37	COLA LIFE/50%	NONE	ACOL A	2284	8664	573	163	0	11684	1814	0	1814	13498
38	COLA LIFE/25%	NONE	ACOL A	2351	8594	563	167	0	11675	1420	0	1420	13095
39	COLA LIFE/0%	NONE	ACOL A	2406	8536	555	169	0	11666	1136	0	1136	12802
40	COLA 62/75% + 3% PEN	NONE	ACOL A	2285	8549	618	166	0	11718	1823	0	1823	13541
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	2079	8933	670	152	0	11834	2243	403	2646	14480
42	COLA 62/67% + 3% PEN	NONE	ACOL A	2916	8667	672	166	0	12421	1779	0	1779	14200
43	HIGH 3	NONE	ACOL B	2115	8860	598	154	0	11727	3166	0	3166	14893
44	DEC 30% (1.75 MULT)	NONE	ACOL B	2356	8589	563	167	0	11675	1821	0	1821	13496
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	2046	8942	604	151	0	11743	2291	388	2679	14422
46	3% PEN	NONE	ACOL B	2195	8772	575	160	0	11782	2364	0	2364	14066
47	3% PEN	210--0--0	ACOL B	2014	8980	607	150	0	11751	2776	310	3086	14837
48	COLA 62/50%	NONE	ACOL B	2261	8684	574	163	0	11682	1979	0	1979	13661
49	COLA 62/50%	160-40-50	ACOL B	2056	8918	603	152	0	11729	2331	276	2607	14336
50	COLA 62/75% + 3% PEN	NONE	ACOL B	2254	8687	567	163	0	11671	1875	0	1875	13546

L-B-106
ATCH 4

SERVICE: NAVY COMMUNITY: BOTH

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	2060	8954	609	150	0	11773	2329	406	2735	14508
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	2969	8639	672	187	0	12467	2073	0	2073	14540
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	2660	9032	672	172	0	12536	2454	402	2856	15392
54	3% PEN	NONE	DMSM(ACOL B)	2809	8815	672	182	0	12478	2330	0	2330	14808
55	3% PEN	210--0--0	DMSM(ACOL B)	2629	9040	672	170	0	12511	2649	315	2964	15475
56	COLA 62/50%	NONE	DMSM(ACOL B)	2874	8739	672	182	0	12467	2153	0	2153	14620
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	2670	9001	672	172	0	12515	2452	287	2739	15254
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	2867	8727	672	184	0	12450	1851	0	1851	14301
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	2674	9015	672	171	0	12532	2287	412	2699	15231
60	SS OFFSET=1.25%/YR	NONE	ACOL A	2186	8786	641	159	0	11772	2179	0	2179	13951
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	2070	8970	653	153	0	11846	3117	0	3117	14963
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	2075	9036	646	154	0	11911	3064	0	3064	14975
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	2207	8957	625	160	0	11949	2722	0	2722	14671
64	VEST 22,AFTER SHIFT	NONE	ACOL A	2403	8487	593	172	0	11655	1729	0	1729	13384
65	VEST 24,AFTER SHIFT	NONE	ACOL A	2582	8311	569	180	0	11642	1206	0	1206	12848
66	VEST 30,AFTER SHIFT	NONE	ACOL A	2864	8132	544	188	0	11728	723	0	723	12451
67	RMA	NONE	ACOL A	2194	8771	580	159	0	11704	2487	0	2487	14191
68	USRBA W/O LOAN	NONE	ACOL A	2216	8767	580	160	0	11723	2561	0	2561	14284
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	2064	8916	600	152	0	11732	2789	239	3028	14760
70	PPSSCC OSD 24B	NONE	ACOL A	2370	8558	604	170	0	11702	776	0	776	12478
71	PPSSCC USAF 1.9%	NONE	ACOL A	2595	8432	590	176	0	11793	633	0	633	12426

SERVICE: NAVY COMMUNITY: BOTH

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	2103	8890	602	153	0	11748	3326	0	3326	15074
3	HIGH 3	NONE	ACOL A	10	-36	60	1	0	35	-167	0	-167	-132
4	DEC 10%	NONE	ACOL A	87	-127	48	6	0	14	-646	0	-646	-632
5	DEC 20%	NONE	ACOL A	169	-214	35	10	0	0	-1090	0	-1090	-1090
6	DEC 20%	150--30--70	ACOL A	-14	-6	64	0	0	44	-757	258	-499	-455
7	DEC 30%	NONE	ACOL A	254	-299	21	13	0	-11	-1501	0	-1501	-1512
8	DEC 30%	210--0--0	ACOL A	33	-91	63	2	0	7	-1122	314	-808	-801
9	DEC 30%	210--60--100	ACOL A	-45	38	65	-3	0	57	-1053	384	-669	-612
10	DEC 40%	NONE	ACOL A	339	-373	10	17	0	-7	-1869	0	-1869	-1876
11	DEC 50%	NONE	ACOL A	427	-443	-1	20	0	3	-2201	0	-2201	-2198
12	1% PENALTY	NONE	ACOL A	58	-78	48	4	0	32	-485	0	-485	-453
13	1% PEN	90--0--0	ACOL A	-30	14	65	0	0	49	-277	134	-143	-94
14	2% PEN	NONE	ACOL A	97	-122	36	8	0	19	-777	0	-777	-758
15	2% PEN	150--0--0	ACOL A	-45	37	65	-1	0	56	-444	221	-223	-167
16	3% PEN	NONE	ACOL A	123	-163	25	10	0	-5	-1030	0	-1030	-1035
17	3% PEN	210--0--0	ACOL A	-71	63	65	-1	0	56	-592	307	-285	-229
18	4% PEN	NONE	ACOL A	135	-181	20	11	0	-15	-1277	0	-1277	-1292
19	4% PEN	270--0--0	ACOL A	-104	92	66	-3	0	51	-724	394	-330	-279
20	5% PEN	NONE	ACOL A	140	-177	19	11	0	-7	-1342	0	-1342	-1349
21	6% PEN	NONE	ACOL A	146	-161	19	11	0	15	-1413	0	-1413	-1398
22	6% PEN	390--0--0	ACOL A	-189	228	79	-7	0	111	-825	579	-246	-135
23	COLA 30/90%	NONE	ACOL A	28	-53	56	2	0	33	-323	0	-323	-290
24	COLA 30/75%	NONE	ACOL A	54	-78	50	4	0	30	-542	0	-542	-512
25	COLA 30/67%	NONE	ACOL A	67	-92	47	5	0	27	-651	0	-651	-624
26	COLA 30/50%	NONE	ACOL A	92	-120	40	7	0	19	-867	0	-867	-848
27	COLA 30/33%	NONE	ACOL A	131	-148	35	8	0	26	-1061	0	-1061	-1035
28	COLA 30/0%	NONE	ACOL A	139	-195	26	10	0	-20	-1382	0	-1382	-1402
29	COLA 62/90%	NONE	ACOL A	42	-74	54	3	0	25	-529	0	-529	-504
30	COLA 62/75%	NONE	ACOL A	89	-128	45	5	0	11	-892	0	-892	-881
31	COLA 62/67%	NONE	ACOL A	92	-155	41	6	0	-16	-1017	0	-1017	-1033
32	COLA 62/50%	NONE	ACOL A	160	-208	33	10	0	-5	-1363	0	-1363	-1368
33	COLA 62/50%	160--40--50	ACOL A	-41	24	65	-1	0	47	-1002	275	-727	-680
34	COLA 62/33%	NONE	ACOL A	204	-255	25	11	0	-15	-1644	0	-1644	-1659
35	COLA 62/0%	NONE	ACOL A	279	-327	14	16	0	-18	-2034	0	-2034	-2052
36	COLA LIFE/75%	NONE	ACOL A	104	-139	-18	7	0	-46	-956	0	-956	-1002
37	COLA LIFE/50%	NONE	ACOL A	181	-226	-29	10	0	-64	-1512	0	-1512	-1576
38	COLA LIFE/25%	NONE	ACOL A	248	-296	-39	14	0	-73	-1906	0	-1906	-1979
39	COLA LIFE/0%	NONE	ACOL A	303	-354	-47	16	0	-82	-2190	0	-2190	-2272
40	COLA 62/75% + 3% PEN	NONE	ACOL A	182	-241	16	13	0	-30	-1503	0	-1503	-1533
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	-24	43	68	-1	0	86	-1083	403	-680	-594
42	COLA 62/67% + 3% PEN	NONE	ACOL A	813	-223	70	13	0	673	-1547	0	-1547	-874
43	HIGH 3	NONE	ACOL B	12	-30	-4	1	0	-21	-160	0	-160	-181
44	DEC 30% (1.75 MULT)	NONE	ACOL B	253	-301	-39	14	0	-73	-1505	0	-1505	-1578
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-57	52	2	-2	0	-5	-1035	388	-647	-652
46	3% PEN	NONE	ACOL B	92	-118	-27	7	0	-46	-962	0	-962	-1008
47	3% PEN	210--0--0	ACOL B	-89	90	5	-3	0	3	-550	310	-240	-237
48	COLA 62/50%	NONE	ACOL B	158	-206	-28	10	0	-66	-1347	0	-1347	-1413
49	COLA 62/50%	160-40-50	ACOL B	-47	28	1	-1	0	-19	-995	276	-719	-738
50	COLA 62/75% + 3% PEN	NONE	ACOL B	151	-203	-35	10	0	-77	-1451	0	-1451	-1528

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ATCH 4

SERVICE: NAVY COMMUNITY: BOTH

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	-43	64	7	-3	0	25	-997	406	-591	-566
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	866	-251	70	34	0	719	-1253	0	-1253	-534
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	557	142	70	19	0	788	-872	402	-470	318
54	3% PEN	NONE	DMSM(ACOL B)	706	-75	70	29	0	730	-996	0	-996	-266
55	3% PEN	210--0--0	DMSM(ACOL B)	526	150	70	17	0	763	-677	315	-362	401
56	COLA 62/50%	NONE	DMSM(ACOL B)	771	-151	70	29	0	719	-1173	0	-1173	-454
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	567	111	70	19	0	767	-874	287	-587	180
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	764	-163	70	31	0	702	-1475	0	-1475	-773
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DMSM(ACOL B)	571	125	70	18	0	784	-1039	412	-627	157
60	SS OFFSET=1.25%/YR	NONE	ACOL A	83	-104	39	6	0	24	-1147	0	-1147	-1123
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-33	80	51	0	0	98	-209	0	-209	-111
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-28	146	44	1	0	163	-262	0	-262	-99
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	104	67	23	7	0	201	-604	0	-604	-403
64	VEST 22,AFTER SHIFT	NONE	ACOL A	300	-403	-9	19	0	-93	-1597	0	-1597	-1690
65	VEST 24,AFTER SHIFT	NONE	ACOL A	479	-579	-33	27	0	-106	-2120	0	-2120	-2226
66	VEST 30,AFTER SHIFT	NONE	ACOL A	761	-758	-58	35	0	-20	-2603	0	-2603	-2623
67	RMA	NONE	ACOL A	91	-119	-22	6	0	-44	-839	0	-839	-883
68	USRBA W/O LOAN	NONE	ACOL A	113	-123	-22	7	0	-25	-765	0	-765	-790
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-39	26	-2	-1	0	-16	-537	239	-298	-314
70	PPSSCC OSD 2&B	NONE	ACOL A	267	-332	2	17	0	-46	-2550	0	-2550	-2596
71	PPSSCC USAF 1.9%	NONE	ACOL A	492	-458	-12	23	0	45	-2693	0	-2693	-2648

SERVICE: NAVY COMMUNITY: BOTH

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	2103	8890	602	153	0	11748	3326	0	3326	15074
3	HIGH 3	NONE	ACOL A	0	0	10	1	0	0	-5	0	-5	-1
4	DEC 10%	NONE	ACOL A	4	-1	8	4	0	0	-19	0	-19	-4
5	DEC 20%	NONE	ACOL A	8	-2	6	7	0	0	-33	0	-33	-7
6	DEC 20%	150--30--70	ACOL A	-1	0	11	0	0	0	-23	******	-15	-3
7	DEC 30%	NONE	ACOL A	12	-3	3	8	0	0	-45	0	-45	-10
8	DEC 30%	210--0--0	ACOL A	2	-1	10	1	0	0	-34	******	-24	-5
9	DEC 30%	210--60--100	ACOL A	-2	0	11	-1	0	0	-32	******	-20	-4
10	DEC 40%	NONE	ACOL A	16	-4	2	11	0	0	-56	0	-56	-12
11	DEC 50%	NONE	ACOL A	20	-5	0	13	0	0	-66	0	-66	-15
12	1% PENALTY	NONE	ACOL A	3	-1	8	3	0	0	-15	0	-15	-3
13	1% PEN	90--0--0	ACOL A	-1	0	11	0	0	0	-8	******	-4	-1
14	2% PEN	NONE	ACOL A	5	-1	6	5	0	0	-23	0	-23	-5
15	2% PEN	150--0--0	ACOL A	-2	0	11	-1	0	0	-13	******	-7	-1
16	3% PEN	NONE	ACOL A	6	-2	4	7	0	0	-31	0	-31	-7
17	3% PEN	210--0--0	ACOL A	-3	1	11	-1	0	0	-18	******	-9	-2
18	4% PEN	NONE	ACOL A	6	-2	3	7	0	0	-38	0	-38	-9
19	4% PEN	270--0--0	ACOL A	-5	1	11	-2	0	0	-22	******	-10	-2
20	5% PEN	NONE	ACOL A	7	-2	3	7	0	0	-40	0	-40	-9
21	6% PEN	NONE	ACOL A	7	-2	3	7	0	0	-42	0	-42	-9
22	6% PEN	390--0--0	ACOL A	-9	3	13	-5	0	1	-25	******	-7	-1
23	COLA 30/90%	NONE	ACOL A	1	-1	9	1	0	0	-10	0	-10	-2
24	COLA 30/75%	NONE	ACOL A	3	-1	8	3	0	0	-16	0	-16	-3
25	COLA 30/67%	NONE	ACOL A	3	-1	8	3	0	0	-20	0	-20	-4
26	COLA 30/50%	NONE	ACOL A	4	-1	7	5	0	0	-26	0	-26	-6
27	COLA 30/33%	NONE	ACOL A	6	-2	6	5	0	0	-32	0	-32	-7
28	COLA 30/0%	NONE	ACOL A	7	-2	4	7	0	0	-42	0	-42	-9
29	COLA 62/90%	NONE	ACOL A	2	-1	9	2	0	0	-16	0	-16	-3
30	COLA 62/75%	NONE	ACOL A	4	-1	7	3	0	0	-27	0	-27	-6
31	COLA 62/67%	NONE	ACOL A	4	-2	7	4	0	0	-31	0	-31	-7
32	COLA 62/50%	NONE	ACOL A	8	-2	5	7	0	0	-41	0	-41	-9
33	COLA 62/50%	160--40--50	ACOL A	-2	0	11	-1	0	0	-30	******	-22	-5
34	COLA 62/33%	NONE	ACOL A	10	-3	4	7	0	0	-49	0	-49	-11
35	COLA 62/0%	NONE	ACOL A	13	-4	2	10	0	0	-61	0	-61	-14
36	COLA LIFE/75%	NONE	ACOL A	5	-2	-3	5	0	0	-29	0	-29	-7
37	COLA LIFE/50%	NONE	ACOL A	9	-3	-5	7	0	-1	-45	0	-45	-10
38	COLA LIFE/25%	NONE	ACOL A	12	-3	-6	9	0	-1	-57	0	-57	-13
39	COLA LIFE/0%	NONE	ACOL A	14	-4	-8	10	0	-1	-66	0	-66	-15
40	COLA 62/75% + 3% PEN	NONE	ACOL A	9	-3	3	8	0	0	-45	0	-45	-10
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	-1	0	11	-1	0	1	-33	******	-20	-4
42	COLA 62/67% + 3% PEN	NONE	ACOL A	39	-3	12	8	0	6	-47	0	-47	-6
43	HIGH 3	NONE	ACOL B	1	0	-1	1	0	0	-5	0	-5	-1
44	DEC 30% (1.75 MULT)	NONE	ACOL B	12	-3	-6	9	0	-1	-45	0	-45	-10
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-3	1	0	-1	0	0	-31	******	-19	-4
46	3% PEN	NONE	ACOL B	4	-1	-4	5	0	0	-29	0	-29	-7
47	3% PEN	210--0--0	ACOL B	-4	1	1	-2	0	0	-17	******	-7	-2
48	COLA 62/50%	NONE	ACOL B	8	-2	-5	7	0	-1	-40	0	-40	-9
49	COLA 62/50%	160-40-50	ACOL B	-2	0	0	-1	0	0	-30	******	-22	-5
50	COLA 62/75% + 3% PEN	NONE	ACOL B	7	-2	-6	7	0	-1	-44	0	-44	-10

SERVICE: NAVY COMMUNITY: BOTH

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	-2	1	1	-2	0	0	-30	******	-18	-4
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	41	-3	12	22	0	6	-38	0	-38	-4
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	26	2	12	12	0	7	-26	******	-14	2
54	3% PEN	NONE	DMSM(ACOL B)	34	-1	12	19	0	6	-30	0	-30	-2
55	3% PEN	210--0--0	DMSM(ACOL B)	25	2	12	11	0	6	-20	******	-11	2
56	COLA 62/50%	NONE	DMSM(ACOL B)	37	-2	12	19	0	6	-35	0	-35	-3
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	27	1	12	12	0	7	-26	******	-18	1
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	36	-2	12	20	0	6	-44	0	-44	-5
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DMSM(ACOL B)	27	1	12	12	0	7	-31	******	-19	1
60	SS OFFSET=1.25%/YR	NONE	ACOL A	4	-1	6	4	0	0	-34	0	-34	-7
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-2	1	8	0	0	1	-6	0	-6	-1
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-1	2	7	1	0	1	-8	0	-8	-1
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	5	1	4	5	0	2	-18	0	-18	-3
64	VEST 22,AFTER SHIFT	NONE	ACOL A	14	-5	-1	12	0	-1	-48	0	-48	-11
65	VEST 24,AFTER SHIFT	NONE	ACOL A	23	-7	-5	18	0	-1	-64	0	-64	-15
66	VEST 30,AFTER SHIFT	NONE	ACOL A	36	-9	-10	23	0	0	-78	0	-78	-17
67	RMA	NONE	ACOL A	4	-1	-4	4	0	0	-25	0	-25	-6
68	USRBA W/O LOAN	NONE	ACOL A	5	-1	-4	5	0	0	-23	0	-23	-5
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-2	0	0	-1	0	0	-16	******	-9	-2
70	PPSSCC OSD 24B	NONE	ACOL A	13	-4	0	11	0	0	-77	0	-77	-17
71	PPSSCC USAF 1.9%	NONE	ACOL A	23	-5	-2	15	0	0	-81	0	-81	-18

SERVICE: USMC COMMUNITY: OFF

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	460	513	5	10	0	988	305	0	305	1293
3	HIGH 3	NONE	ACOL A	466	511	12	10	0	999	294	0	294	1293
4	DEC 10%	NONE	ACOL A	481	506	12	10	0	1009	257	0	257	1266
5	DEC 20%	NONE	ACOL A	497	500	11	10	0	1018	220	0	220	1238
6	DEC 20%	150--30--70	ACOL A	460	511	12	10	0	993	238	21	259	1252
7	DEC 30%	NONE	ACOL A	513	495	11	11	0	1030	186	0	186	1216
8	DEC 30%	210--0--0	ACOL A	472	505	12	10	0	999	206	24	230	1229
9	DEC 30%	210--60--100	ACOL A	450	517	12	9	0	988	211	32	243	1231
10	DEC 40%	NONE	ACOL A	530	489	11	11	0	1041	121	0	121	1162
11	DEC 50%	NONE	ACOL A	546	484	11	11	0	1052	121	0	121	1173
12	1% PENALTY	NONE	ACOL A	475	510	12	10	0	1007	274	0	274	1281
13	1% PEN	90--0--0	ACOL A	457	515	12	10	0	994	283	10	293	1287
14	2% PEN	NONE	ACOL A	478	510	11	10	0	1009	256	0	256	1265
15	2% PEN	150--0--0	ACOL A	452	517	12	9	0	990	271	17	288	1278
16	3% PEN	NONE	ACOL A	478	510	11	10	0	1009	241	0	241	1250
17	3% PEN	210--0--0	ACOL A	445	520	12	9	0	986	261	24	285	1271
18	4% PEN	NONE	ACOL A	480	511	11	10	0	1012	215	0	215	1227
19	4% PEN	270--0--0	ACOL A	437	523	12	9	0	981	252	31	283	1264
20	5% PEN	NONE	ACOL A	479	511	11	10	0	1011	221	0	221	1232
21	6% PEN	NONE	ACOL A	478	513	11	10	0	1012	215	0	215	1227
22	6% PEN	390--0--0	ACOL A	419	531	12	9	0	971	236	45	281	1252
23	COLA 30/90%	NONE	ACOL A	469	511	12	10	0	1002	282	0	282	1284
24	COLA 30/75%	NONE	ACOL A	473	510	12	10	0	1005	264	0	264	1269
25	COLA 30/67%	NONE	ACOL A	476	509	12	10	0	1007	255	0	255	1262
26	COLA 30/50%	NONE	ACOL A	479	508	11	10	0	1008	238	0	238	1246
27	COLA 30/33%	NONE	ACOL A	481	508	11	10	0	1010	223	0	223	1233
28	COLA 30/0%	NONE	ACOL A	484	507	11	10	0	1012	197	0	197	1209
29	COLA 62/90%	NONE	ACOL A	472	509	12	10	0	1003	258	0	258	1261
30	COLA 62/75%	NONE	ACOL A	481	506	12	10	0	1009	232	0	232	1241
31	COLA 62/67%	NONE	ACOL A	485	505	11	10	0	1011	228	0	228	1239
32	COLA 62/50%	NONE	ACOL A	494	502	11	10	0	1017	200	0	200	1217
33	COLA 62/50%	160--40--50	ACOL A	453	515	12	9	0	990	221	22	243	1233
34	COLA 62/33%	NONE	ACOL A	502	499	11	10	0	1022	173	0	173	1195
35	COLA 62/0%	NONE	ACOL A	515	495	11	11	0	1032	139	0	139	1171
36	COLA LIFE/75%	NONE	ACOL A	484	505	5	10	0	1004	229	0	229	1233
37	COLA LIFE/50%	NONE	ACOL A	498	500	5	10	0	1013	181	0	181	1194
38	COLA LIFE/25%	NONE	ACOL A	511	496	5	11	0	1023	146	0	146	1169
39	COLA LIFE/0%	NONE	ACOL A	521	492	5	11	0	1029	119	0	119	1148
40	COLA 62/75% + 3% PEN	NONE	ACOL A	491	505	11	10	0	1017	200	0	200	1217
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	457	515	12	9	0	993	206	22	228	1221
42	COLA 62/67% + 3% PEN	NONE	ACOL A	631	546	17	10	0	1204	171	0	171	1375
43	HIGH 3	NONE	ACOL B	467	511	5	10	0	993	294	0	294	1287
44	DEC 30% (1.75 MULT)	NONE	ACOL B	512	495	5	11	0	1023	186	0	186	1209
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	448	517	5	9	0	979	211	32	243	1222
46	3% PEN	NONE	ACOL B	477	510	5	10	0	1002	243	0	243	1245
47	3% PEN	210--0--0	ACOL B	443	520	5	9	0	977	262	24	286	1263
48	COLA 62/50%	NONE	ACOL B	493	502	5	10	0	1010	201	0	201	1211
49	COLA 62/50%	160-40-50	ACOL B	451	516	5	9	0	981	221	23	244	1225
50	COLA 62/75% + 3% PEN	NONE	ACOL B	488	506	5	10	0	1009	201	0	201	1210

SERVICE: USMC COMMUNITY: OFF

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	455	515	5	9	0	984	218	22	240	1224
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	649	529	17	12	0	1207	208	0	208	1415
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	583	547	17	11	0	1158	222	33	255	1413
54	3% PEN	NONE	DMSM(ACOL B)	613	539	17	12	0	1181	236	0	236	1417
55	3% PEN	210--0--0	DMSM(ACOL B)	578	548	17	11	0	1154	248	25	273	1427
56	COLA 62/50%	NONE	DMSM(ACOL B)	629	533	17	12	0	1191	218	0	218	1409
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	586	546	17	11	0	1160	232	23	255	1415
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	624	535	17	12	0	1188	196	0	196	1384
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	590	544	17	11	0	1162	214	23	237	1399
60	SS OFFSET=1.25%/YR	NONE	ACOL A	476	510	11	10	0	1007	198	0	198	1205
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	443	530	11	9	0	993	295	0	295	1288
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	438	535	11	9	0	993	297	0	297	1290
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	460	527	11	10	0	1008	264	0	264	1272
64	VEST 22,AFTER SHIFT	NONE	ACOL A	512	496	11	11	0	1030	209	0	209	1239
65	VEST 24,AFTER SHIFT	NONE	ACOL A	537	485	10	11	0	1043	189	0	189	1232
66	VEST 30,AFTER SHIFT	NONE	ACOL A	591	466	9	12	0	1078	136	0	136	1214
67	RMA	NONE	ACOL A	478	509	5	10	0	1002	240	0	240	1242
68	USRBA W/O LOAN	NONE	ACOL A	482	508	5	10	0	1005	236	0	236	1241
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	453	516	5	9	0	983	255	19	274	1257
70	PPSSCC OSD 24B	NONE	ACOL A	498	505	11	10	0	1024	104	0	104	1128
71	PPSSCC USAF 1.9%	NONE	ACOL A	544	489	10	11	0	1054	76	0	76	1130

SERVICE: USMC COMMUNITY: OFF

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	460	513	5	10	0	988	305	0	305	1293
3	HIGH 3	NONE	ACOL A	6	-2	7	0	0	11	-11	0	-11	0
4	DEC 10%	NONE	ACOL A	21	-7	7	0	0	21	-48	0	-48	-27
5	DEC 20%	NONE	ACOL A	37	-13	6	0	0	30	-85	0	-85	-55
6	DEC 20%	150--30--70	ACOL A	0	-2	7	0	0	5	-67	21	-46	-41
7	DEC 30%	NONE	ACOL A	53	-18	6	1	0	42	-119	0	-119	-77
8	DEC 30%	210--0--0	ACOL A	12	-8	7	0	0	11	-99	24	-75	-64
9	DEC 30%	210--60--100	ACOL A	-10	4	7	-1	0	0	-94	32	-62	-62
10	DEC 40%	NONE	ACOL A	70	-24	6	1	0	53	-184	0	-184	-131
11	DEC 50%	NONE	ACOL A	86	-29	6	1	0	64	-184	0	-184	-120
12	1% PENALTY	NONE	ACOL A	15	-3	7	0	0	19	-31	0	-31	-12
13	1% PEN	90--0--0	ACOL A	-3	2	7	0	0	6	-22	10	-12	-6
14	2% PEN	NONE	ACOL A	18	-3	6	0	0	21	-49	0	-49	-28
15	2% PEN	150--0--0	ACOL A	-8	4	7	-1	0	2	-34	17	-17	-15
16	3% PEN	NONE	ACOL A	18	-3	6	0	0	21	-64	0	-64	-43
17	3% PEN	210--0--0	ACOL A	-15	7	7	-1	0	-2	-44	24	-20	-22
18	4% PEN	NONE	ACOL A	20	-2	6	0	0	24	-90	0	-90	-66
19	4% PEN	270--0--0	ACOL A	-23	10	7	-1	0	-7	-53	31	-22	-29
20	5% PEN	NONE	ACOL A	19	-2	6	0	0	23	-84	0	-84	-61
21	6% PEN	NONE	ACOL A	18	0	6	0	0	24	-90	0	-90	-66
22	6% PEN	390--0--0	ACOL A	-41	18	7	-1	0	-17	-69	45	-24	-41
23	COLA 30/90%	NONE	ACOL A	9	-2	7	0	0	14	-23	0	-23	-9
24	COLA 30/75%	NONE	ACOL A	13	-3	7	0	0	17	-41	0	-41	-24
25	COLA 30/67%	NONE	ACOL A	16	-4	7	0	0	19	-50	0	-50	-31
26	COLA 30/50%	NONE	ACOL A	19	-5	6	0	0	20	-67	0	-67	-47
27	COLA 30/33%	NONE	ACOL A	21	-5	6	0	0	22	-82	0	-82	-60
28	COLA 30/0%	NONE	ACOL A	24	-6	6	0	0	24	-108	0	-108	-84
29	COLA 62/90%	NONE	ACOL A	12	-4	7	0	0	15	-47	0	-47	-32
30	COLA 62/75%	NONE	ACOL A	21	-7	7	0	0	21	-73	0	-73	-52
31	COLA 62/67%	NONE	ACOL A	25	-8	6	0	0	23	-77	0	-77	-54
32	COLA 62/50%	NONE	ACOL A	34	-11	6	0	0	29	-105	0	-105	-76
33	COLA 62/50%	160--40--50	ACOL A	-7	3	7	-1	0	2	-84	22	-62	-60
34	COLA 62/33%	NONE	ACOL A	42	-14	6	0	0	34	-132	0	-132	-98
35	COLA 62/0%	NONE	ACOL A	55	-18	6	1	0	44	-166	0	-166	-122
36	COLA LIFE/75%	NONE	ACOL A	24	-8	0	0	0	16	-76	0	-76	-60
37	COLA LIFE/50%	NONE	ACOL A	38	-13	0	0	0	25	-124	0	-124	-99
38	COLA LIFE/25%	NONE	ACOL A	51	-17	0	1	0	35	-159	0	-159	-124
39	COLA LIFE/0%	NONE	ACOL A	61	-21	0	1	0	41	-186	0	-186	-145
40	COLA 62/75% + 3% PEN	NONE	ACOL A	31	-8	6	0	0	29	-105	0	-105	-76
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	-3	2	7	-1	0	5	-99	22	-77	-72
42	COLA 62/67% + 3% PEN	NONE	ACOL A	171	33	12	0	0	216	-134	0	-134	82
43	HIGH 3	NONE	ACOL B	7	-2	0	0	0	5	-11	0	-11	-6
44	DEC 30% (1.75 MULT)	NONE	ACOL B	52	-18	0	1	0	35	-119	0	-119	-84
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-12	4	0	-1	0	-9	-94	32	-62	-71
46	3% PEN	NONE	ACOL B	17	-3	0	0	0	14	-62	0	-62	-48
47	3% PEN	210--0--0	ACOL B	-17	7	0	-1	0	-11	-43	24	-19	-30
48	COLA 62/50%	NONE	ACOL B	33	-11	0	0	0	22	-104	0	-104	-82
49	COLA 62/50%	160-40-50	ACOL B	-9	3	0	-1	0	-7	-84	23	-61	-68
50	COLA 62/75% + 3% PEN	NONE	ACOL B	28	-7	0	0	0	21	-104	0	-104	-83

ATCH 4 L-B-114

SERVICE: USMC COMMUNITY: OFF

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	-5	2	0	-1	0	-4	-87	22	-65	-69
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	189	16	12	2	0	219	-97	0	-97	122
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	123	34	12	1	0	170	-83	33	-50	120
54	3% PEN	NONE	DMSM(ACOL B)	153	26	12	2	0	193	-69	0	-69	124
55	3% PEN	210--0--0	DMSM(ACOL B)	118	35	12	1	0	166	-57	25	-32	134
56	COLA 62/50%	NONE	DMSM(ACOL B)	169	20	12	2	0	203	-87	0	-87	116
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	126	33	12	1	0	172	-73	23	-50	122
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	164	22	12	2	0	200	-109	0	-109	91
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DMSM(ACOL B)	130	31	12	1	0	174	-91	23	-68	106
60	SS OFFSET=1.25%/YR	NONE	ACOL A	16	-3	6	0	0	19	-107	0	-107	-88
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-17	17	6	-1	0	5	-10	0	-10	-5
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-22	22	6	-1	0	5	-8	0	-8	-3
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	0	14	6	0	0	20	-41	0	-41	-21
64	VEST 22,AFTER SHIFT	NONE	ACOL A	52	-17	6	1	0	42	-96	0	-96	-54
65	VEST 24,AFTER SHIFT	NONE	ACOL A	77	-28	5	1	0	55	-116	0	-116	-61
66	VEST 30,AFTER SHIFT	NONE	ACOL A	131	-47	4	2	0	90	-169	0	-169	-79
67	RMA	NONE	ACOL A	18	-4	0	0	0	14	-65	0	-65	-51
68	USRBA W/O LOAN	NONE	ACOL A	22	-5	0	0	0	17	-69	0	-69	-52
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-7	3	0	-1	0	-5	-50	19	-31	-36
70	PPSSCC OSD 24B	NONE	ACOL A	38	-8	6	0	0	36	-201	0	-201	-165
71	PPSSCC USAF 1.9%	NONE	ACOL A	84	-24	5	1	0	66	-229	0	-229	-163

SERVICE: USMC COMMUNITY: OFF

% DELTAS FROM CASE 2

PEF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	460	513	5	10	0	988	305	0	305	1293
3	HIGH 3	NONE	ACOL A	1	0	140	0	0	1	-4	0	-4	0
4	DEC 10%	NONE	ACOL A	5	-1	140	0	0	2	-16	0	-16	-2
5	DEC 20%	NONE	ACOL A	8	-3	120	0	0	3	-28	0	-28	-4
6	DEC 20%	150--30--70	ACOL A	0	0	140	0	0	1	-22	******	-15	-3
7	DEC 30%	NONE	ACOL A	12	-4	120	10	0	4	-39	0	-39	-6
8	DEC 30%	210--0--0	ACOL A	3	-2	140	0	0	1	-32	******	-25	-5
9	DEC 30%	210--60--100	ACOL A	-2	1	140	-10	0	0	-31	******	-20	-5
10	DEC 40%	NONE	ACOL A	15	-5	120	10	0	5	-60	0	-60	-10
11	DEC 50%	NONE	ACOL A	19	-6	120	10	0	6	-60	0	-60	-9
12	1% PENALTY	NONE	ACOL A	3	-1	140	0	0	2	-10	0	-10	-1
13	1% PEN	90--0--0	ACOL A	-1	0	140	0	0	1	-7	******	-4	0
14	2% PEN	NONE	ACOL A	4	-1	120	0	0	2	-16	0	-16	-2
15	2% PEN	150--0--0	ACOL A	-2	1	140	-10	0	0	-11	******	-6	-1
16	3% PEN	NONE	ACOL A	4	-1	120	0	0	2	-21	0	-21	-3
17	3% PEN	210--0--0	ACOL A	-3	1	140	-10	0	0	-14	******	-7	-2
18	4% PEN	NONE	ACOL A	4	0	120	0	0	2	-30	0	-30	-5
19	4% PEN	270--0--0	ACOL A	-5	2	140	-10	0	-1	-17	******	-7	-2
20	5% PEN	NONE	ACOL A	4	0	120	0	0	2	-28	0	-28	-5
21	6% PEN	NONE	ACOL A	4	0	120	0	0	2	-30	0	-30	-5
22	6% PEN	390--0--0	ACOL A	-9	4	140	-10	0	-2	-23	******	-8	-3
23	COLA 30/90%	NONE	ACOL A	2	0	140	0	0	1	-8	0	-8	-1
24	COLA 30/75%	NONE	ACOL A	3	-1	140	0	0	2	-13	0	-13	-2
25	COLA 30/67%	NONE	ACOL A	3	-1	140	0	0	2	-16	0	-16	-2
26	COLA 30/50%	NONE	ACOL A	4	-1	120	0	0	2	-22	0	-22	-4
27	COLA 30/33%	NONE	ACOL A	5	-1	120	0	0	2	-27	0	-27	-5
28	COLA 30/0%	NONE	ACOL A	5	-1	120	0	0	2	-35	0	-35	-6
29	COLA 62/90%	NONE	ACOL A	3	-1	140	0	0	2	-15	0	-15	-2
30	COLA 62/75%	NONE	ACOL A	5	-1	140	0	0	2	-24	0	-24	-4
31	COLA 62/67%	NONE	ACOL A	5	-2	120	0	0	2	-25	0	-25	-4
32	COLA 62/50%	NONE	ACOL A	7	-2	120	0	0	3	-34	0	-34	-6
33	COLA 62/50%	160--40--50	ACOL A	-2	1	140	-10	0	0	-28	******	-20	-5
34	COLA 62/33%	NONE	ACOL A	9	-3	120	0	0	3	-43	0	-43	-8
35	COLA 62/0%	NONE	ACOL A	12	-4	120	10	0	4	-54	0	-54	-9
36	COLA LIFE/75%	NONE	ACOL A	5	-2	0	0	0	2	-25	0	-25	-5
37	COLA LIFE/50%	NONE	ACOL A	8	-3	0	0	0	3	-41	0	-41	-8
38	COLA LIFE/25%	NONE	ACOL A	11	-3	0	10	0	4	-52	0	-52	-10
39	COLA LIFE/0%	NONE	ACOL A	13	-4	0	10	0	4	-61	0	-61	-11
40	COLA 62/75% + 3% PEN	NONE	ACOL A	7	-2	120	0	0	3	-34	0	-34	-6
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	-1	0	140	-10	0	1	-32	******	-25	-6
42	COLA 62/67% + 3% PEN	NONE	ACOL A	37	6	240	0	0	22	-44	0	-44	6
43	HIGH 3	NONE	ACOL B	2	0	0	0	0	1	-4	0	-4	0
44	DEC 30% (1.75 MULT)	NONE	ACOL B	11	-4	0	10	0	4	-39	0	-39	-6
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-3	1	0	-10	0	-1	-31	******	-20	-5
46	3% PEN	NONE	ACOL B	4	-1	0	0	0	1	-20	0	-20	-4
47	3% PEN	210--0--0	ACOL B	-4	1	0	-10	0	-1	-14	******	-6	-2
48	COLA 62/50%	NONE	ACOL B	7	-2	0	0	0	2	-34	0	-34	-6
49	COLA 62/50%	160-40-50	ACOL B	-2	1	0	-10	0	-1	-28	******	-20	-5
50	COLA 62/75% + 3% PEN	NONE	ACOL B	6	-1	0	0	0	2	-34	0	-34	-6

SERVICE: USMC COMMUNITY: OFF

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	-1	0	0	-10	0	0	-29	******	-21	-5
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	41	3	240	20	0	22	-32	0	-32	9
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	27	7	240	10	0	17	-27	******	-16	9
54	3% PEN	NONE	DMSM(ACOL B)	33	5	240	20	0	20	-23	0	-23	10
55	3% PEN	210--0--0	DMSM(ACOL B)	26	7	240	10	0	17	-19	******	-10	10
56	COLA 62/50%	NONE	DMSM(ACOL B)	37	4	240	20	0	21	-29	0	-29	9
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	27	6	240	10	0	17	-24	******	-16	9
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	36	4	240	20	0	20	-36	0	-36	7
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DMSM(ACOL B)	28	6	240	10	0	18	-30	******	-22	8
60	SS OFFSET=1.25%/YR	NONE	ACOL A	3	-1	120	0	0	2	-35	0	-35	-7
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-4	3	120	-10	0	1	-3	0	-3	0
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-5	4	120	-10	0	1	-3	0	-3	0
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	0	3	120	0	0	2	-13	0	-13	-2
64	VEST 22,AFTER SHIFT	NONE	ACOL A	11	-3	120	10	0	4	-31	0	-31	-4
65	VEST 24,AFTER SHIFT	NONE	ACOL A	17	-5	100	10	0	6	-38	0	-38	-5
66	VEST 30,AFTER SHIFT	NONE	ACOL A	28	-9	80	20	0	9	-55	0	-55	-6
67	RMA	NONE	ACOL A	4	-1	0	0	0	1	-21	0	-21	-4
68	USRBA W/O LOAN	NONE	ACOL A	5	-1	0	0	0	2	-23	0	-23	-4
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-2	1	0	-10	0	-1	-16	******	-10	-3
70	PPSSCC OSD 24B	NONE	ACOL A	8	-2	120	0	0	4	-66	0	-66	-13
71	PPSSCC USAF 1.9%	NONE	ACOL A	18	-5	100	10	0	7	-75	0	-75	-13

SERVICE: USMC COMMUNITY: ENL

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	371	2592	48	56	0	3067	648	0	648	3715
3	HIGH 3	NONE	ACOL A	374	2576	47	56	0	3053	599	0	599	3652
4	DEC 10%	NONE	ACOL A	384	2541	44	58	0	3027	479	0	479	3506
5	DEC 20%	NONE	ACOL A	394	2509	41	59	0	3003	374	0	374	3377
6	DEC 20%	150--30--70	ACOL A	371	2588	48	56	0	3063	491	54	545	3608
7	DEC 30%	NONE	ACOL A	402	2481	39	60	0	2982	285	0	285	3267
8	DEC 30%	210--0--0	ACOL A	374	2565	48	56	0	3043	415	68	483	3526
9	DEC 30%	210--60--100	ACOL A	370	2595	48	56	0	3069	431	79	510	3579
10	DEC 40%	NONE	ACOL A	411	2454	36	62	0	2963	210	0	210	3173
11	DEC 50%	NONE	ACOL A	419	2431	34	63	0	2947	149	0	149	3096
12	1% PENALTY	NONE	ACOL A	383	2553	44	57	0	3037	507	0	507	3544
13	1% PEN	90--0--0	ACOL A	370	2594	48	55	0	3067	585	29	614	3681
14	2% PEN	NONE	ACOL A	391	2530	41	59	0	3021	428	0	428	3449
15	2% PEN	150--0--0	ACOL A	369	2599	48	55	0	3071	549	48	597	3668
16	3% PEN	NONE	ACOL A	398	2508	39	60	0	3005	360	0	360	3365
17	3% PEN	210--0--0	ACOL A	369	2604	48	55	0	3076	516	67	583	3659
18	4% PEN	NONE	ACOL A	401	2498	38	60	0	2997	313	0	313	3310
19	4% PEN	270--0--0	ACOL A	366	2614	48	55	0	3083	489	86	575	3658
20	5% PEN	NONE	ACOL A	402	2492	37	60	0	2991	280	0	280	3271
21	6% PEN	NONE	ACOL A	403	2488	37	60	0	2988	255	0	255	3243
22	6% PEN	390--0--0	ACOL A	356	2653	50	53	0	3112	466	131	597	3709
23	COLA 30/90%	NONE	ACOL A	377	2568	46	57	0	3048	559	0	559	3607
24	COLA 30/75%	NONE	ACOL A	381	2555	44	57	0	3037	503	0	503	3540
25	COLA 30/67%	NONE	ACOL A	383	2549	44	57	0	3033	476	0	476	3509
26	COLA 30/50%	NONE	ACOL A	388	2536	42	58	0	3024	422	0	422	3446
27	COLA 30/33%	NONE	ACOL A	392	2523	41	59	0	3015	376	0	376	3391
28	COLA 30/0%	NONE	ACOL A	399	2500	39	60	0	2998	301	0	301	3299
29	COLA 62/90%	NONE	ACOL A	379	2560	45	57	0	3041	505	0	505	3546
30	COLA 62/75%	NONE	ACOL A	385	2538	44	58	0	3025	420	0	420	3445
31	COLA 62/67%	NONE	ACOL A	388	2528	43	58	0	3017	395	0	395	3412
32	COLA 62/50%	NONE	ACOL A	394	2508	41	59	0	3002	312	0	312	3314
33	COLA 62/50%	160--40--50	ACOL A	370	2597	48	55	0	3070	439	58	497	3567
34	COLA 62/33%	NONE	ACOL A	400	2491	39	60	0	2990	258	0	258	3248
35	COLA 62/0%	NONE	ACOL A	408	2465	37	61	0	2971	183	0	183	3154
36	COLA LI[illegible]75%	NONE	ACOL A	386	2536	43	58	0	3023	416	0	416	3439
37	COLA [illegible]0%	NONE	ACOL A	396	2504	40	59	0	2999	297	0	297	3296
38	COLA [illegible]25%	NONE	ACOL A	403	2480	38	60	0	2981	219	0	219	3200
39	COLA LIFE/0%	NONE	ACOL A	409	2461	36	61	0	2967	165	0	165	3132
40	COLA 62/75% + 3% PEN	NONE	ACOL A	405	2480	37	61	0	2983	263	0	263	3246
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	365	2611	49	55	0	3080	425	102	527	3607
42	COLA 62/67% + 3% PEN	NONE	ACOL A	588	2203	121	61	0	2973	298	0	298	3271
43	HIGH 3	NONE	ACOL B	374	2578	47	56	0	3055	598	0	598	3653
44	DEC 30% (1.75 MULT)	NONE	ACOL B	403	2480	38	60	0	2981	283	0	283	3264
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	366	2606	49	55	0	3076	441	82	523	3599
46	3% PEN	NONE	ACOL B	390	2527	41	59	0	3017	380	0	380	3397
47	3% PEN	210--0--0	ACOL B	363	2620	49	54	0	3086	533	69	602	3688
48	COLA 62/50%	NONE	ACOL B	395	2508	41	59	0	3003	321	0	321	3324
49	COLA 62/50%	160-40-50	ACOL B	368	2606	48	55	0	3071	442	59	501	3572
50	COLA 62/75% + 3% PEN	NONE	ACOL B	398	2497	39	60	0	2994	278	0	278	3272

SERVICE: USMC COMMUNITY: ENL

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	360	2623	51	54	0	3088	452	104	556	3644
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	584	2209	121	61	0	2975	381	0	381	3356
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	547	2339	121	57	0	3064	492	84	576	3640
54	3% PEN	NONE	DMSM(ACOL B)	571	2262	121	59	0	3013	445	0	445	3458
55	3% PEN	210--0--0	DMSM(ACOL B)	544	2353	121	57	0	3075	552	70	622	3697
56	COLA 62/50%	NONE	DMSM(ACOL B)	575	2233	121	60	0	2989	341	0	341	3330
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	549	2333	121	57	0	3060	444	60	504	3564
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	579	2230	121	60	0	2990	319	0	319	3309
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DMSM(ACOL B)	541	2357	121	56	0	3075	468	106	574	3649
60	SS OFFSET=1.25%/YR	NONE	ACOL A	389	2537	42	58	0	3026	403	0	403	3429
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	378	2583	43	57	0	3061	569	0	569	3630
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	380	2600	41	57	0	3078	531	0	531	3609
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	339	2522	37	60	0	2958	359	0	359	3317
64	VEST 22,AFTER SHIFT	NONE	ACOL A	407	2462	35	61	0	2965	260	0	260	3225
65	VEST 24,AFTER SHIFT	NONE	ACOL A	419	2419	32	63	0	2933	150	0	150	3083
66	VEST 30,AFTER SHIFT	NONE	ACOL A	433	2377	28	65	0	2903	85	0	85	2988
67	RMA	NONE	ACOL A	387	2536	42	58	0	3023	393	0	393	3416
68	USRBA W/O LOAN	NONE	ACOL A	387	2538	42	58	0	3025	414	0	414	3439
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	369	2597	47	55	0	3068	502	51	553	3621
70	PPSSCC OSD 24B	NONE	ACOL A	419	2430	33	63	0	2945	75	0	75	3020
71	PPSSCC USAF 1.9%	NONE	ACOL A	431	2398	29	62	0	2923	61	0	61	2984

SERVICE: USMC COMMUNITY: ENL

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	CW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	371	2592	48	56	0	3067	648	0	648	3715
3	HIGH 3	NONE	ACOL A	3	-16	-1	0	0	-14	-49	0	-49	-63
4	DEC 10%	NONE	ACOL A	13	-51	-4	2	0	-40	-169	0	-169	-209
5	DEC 20%	NONE	ACOL A	23	-83	-7	3	0	-64	-274	0	-274	-338
6	DEC 20%	150--30--70	ACOL A	0	-4	0	0	0	-4	-157	54	-103	-107
7	DEC 30%	NONE	ACOL A	31	-111	-9	4	0	-85	-363	0	-363	-448
8	DEC 30%	210--0--0	ACOL A	3	-27	0	0	0	-24	-233	68	-165	-189
9	DEC 30%	210--60--100	ACOL A	-1	3	0	0	0	2	-217	79	-138	-136
10	DEC 40%	NONE	ACOL A	40	-138	-12	6	0	-104	-438	0	-438	-542
11	DEC 50%	NONE	ACOL A	48	-161	-14	7	0	-120	-499	0	-499	-619
12	1% PENALTY	NONE	ACOL A	12	-39	-4	1	0	-30	-141	0	-141	-171
13	1% PEN	90--0--0	ACOL A	-1	2	0	-1	0	0	-63	29	-34	-34
14	2% PEN	NONE	ACOL A	20	-62	-7	3	0	-46	-220	0	-220	-266
15	2% PEN	150--0--0	ACOL A	-2	7	0	-1	0	4	-99	48	-51	-47
16	3% PEN	NONE	ACOL A	27	-84	-9	4	0	-62	-288	0	-288	-350
17	3% PEN	210--0--0	ACOL A	-2	12	0	-1	0	9	-132	67	-65	-56
18	4% PEN	NONE	ACOL A	30	-94	-10	4	0	-70	-335	0	-335	-405
19	4% PEN	270--0--0	ACOL A	-5	22	0	-1	0	16	-159	86	-73	-57
20	5% PEN	NONE	ACOL A	31	-100	-11	4	0	-76	-368	0	-368	-444
21	6% PEN	NONE	ACOL A	32	-104	-11	4	0	-79	-393	0	-393	-472
22	6% PEN	390--0--0	ACOL A	-15	61	2	-3	0	45	-182	131	-51	-6
23	COLA 30/90%	NONE	ACOL A	6	-24	-2	1	0	-19	-89	0	-89	-108
24	COLA 30/75%	NONE	ACOL A	10	-37	-4	1	0	-30	-145	0	-145	-175
25	COLA 30/67%	NONE	ACOL A	12	-43	-4	1	0	-34	-172	0	-172	-206
26	COLA 30/50%	NONE	ACOL A	1	-56	-6	2	0	-43	-226	0	-226	-269
27	COLA 30/33%	NONE	ACOL A	21	-69	-7	3	0	-52	-272	0	-272	-324
28	COLA 30/0%	NONE	ACOL A	28	-92	-9	4	0	-69	-347	0	-347	-416
29	COLA 62/90%	NONE	ACOL A	8	-32	-3	1	0	-26	-143	0	-143	-169
30	COLA 62/75%	NONE	ACOL A	14	-54	-4	2	0	-42	-228	0	-228	-270
31	COLA 62/67%	NONE	ACOL A	17	-64	-5	2	0	-50	-253	0	-253	-303
32	COLA 62/50%	NONE	ACOL A	23	-84	-7	3	0	-65	-336	0	-336	-401
33	COLA 62/50%	160--40--50	ACOL A	-1	5	0	-1	0	3	-209	58	-151	-148
34	COLA 62/33%	NONE	ACOL A	29	-101	-9	4	0	-77	-390	0	-390	-467
35	COLA 62/0%	NONE	ACOL A	37	-127	-11	5	0	-96	-465	0	-465	-561
36	COLA LIFE/75%	NONE	ACOL A	15	-56	-5	2	0	-44	-232	0	-232	-276
37	COLA LIFE/50%	NONE	ACOL A	25	-88	-8	3	0	-68	-351	0	-351	-419
38	COLA LIFE/25%	NONE	ACOL A	32	-112	-10	4	0	-86	-429	0	-429	-515
39	COLA LIFE/0%	NONE	ACOL A	38	-131	-12	5	0	-100	-483	0	-483	-583
40	COLA 62/75% + 3% PEN	NONE	ACOL A	34	-112	-11	5	0	-84	-385	0	-385	-469
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	-6	19	1	-1	0	13	-223	102	-121	-108
42	COLA 62/67% + 3% PEN	NONE	ACOL A	217	-389	73	5	0	-94	-350	0	-350	-444
43	HIGH 3	NONE	ACOL B	3	-14	-1	0	0	-12	-50	0	-50	-62
44	DEC 30% (1.75 MULT)	NONE	ACOL B	32	-112	-10	4	0	-86	-365	0	-365	-451
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-5	14	1	-1	0	9	-207	82	-125	-116
46	3% PEN	NONE	ACOL B	19	-65	-7	3	0	-50	-268	0	-268	-318
47	3% PEN	210--0--0	ACOL B	-8	28	1	-2	0	19	-115	69	-46	-27
48	COLA 62/50%	NONE	ACOL B	24	-84	-7	3	0	-64	-327	0	-327	-391
49	COLA 62/50%	160-40-50	ACOL B	-3	8	0	-1	0	4	-206	59	-147	-143
50	COLA 62/75% + 3% PEN	NONE	ACOL B	27	-95	-9	4	0	-73	-370	0	-370	-443

SERVICE: USMC COMMUNITY: ENL

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	-11	31	3	-2	0	21	-196	104	-92	-71
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	213	-383	73	5	0	-92	-267	0	-267	-359
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	176	-253	73	1	0	-3	-156	84	-72	-75
54	3% PEN	NONE	DMSM(ACOL B)	200	-330	73	3	0	-54	-203	0	-203	-257
55	3% PEN	210--0--0	DMSM(ACOL B)	173	-239	73	1	0	8	-96	70	-26	-18
56	COLA 62/50%	NONE	DMSM(ACOL B)	204	-359	73	4	0	-78	-307	0	-307	-385
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	178	-259	73	1	0	-7	-204	60	-144	-151
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	208	-362	73	4	0	-77	-329	0	-329	-406
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DMSM(ACOL B)	170	-235	73	0	0	8	-180	106	-74	-66
60	SS OFFSET=1.25%/YR	NONE	ACOL A	18	-55	-6	2	0	-41	-245	0	-245	-286
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	7	-9	-5	1	0	-6	-79	0	-79	-85
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	9	8	-7	1	0	11	-117	0	-117	-106
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	-32	-70	-11	4	0	-109	-289	0	-289	-398
64	VEST 22,AFTER SHIFT	NONE	ACOL A	36	-130	-13	5	0	-102	-388	0	-388	-490
65	VEST 24,AFTER SHIFT	NONE	ACOL A	48	-173	-16	7	0	-134	-498	0	-498	-632
66	VEST 30,AFTER SHIFT	NONE	ACOL A	62	-215	-20	9	0	-164	-563	0	-563	-727
67	RMA	NONE	ACOL A	16	-56	-6	2	0	-44	-255	0	-255	-299
68	USRBA W/O LOAN	NONE	ACOL A	16	-54	-6	2	0	-42	-234	0	-234	-276
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-2	5	-1	-1	0	1	-146	51	-95	-94
70	PPSSCC OSD 24B	NONE	ACOL A	48	-162	-15	7	0	-122	-573	0	-573	-695
71	PPSSCC USAF 1.9%	NONE	ACOL A	60	-194	-19	9	0	-144	-587	0	-587	-731

SERVICE: USMC COMMUNITY: ENL

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	371	2592	48	56	0	3067	648	0	648	3715
3	HIGH 3	NONE	ACOL A	1	-1	-2	0	0	0	-8	0	-8	-2
4	DEC 10%	NONE	ACOL A	4	-2	-8	4	0	-1	-26	0	-26	-6
5	DEC 20%	NONE	ACOL A	6	-3	-15	5	0	-2	-42	0	-42	-9
6	DEC 20%	150--30--70	ACOL A	0	0	0	0	0	0	-24	******	-16	-3
7	DEC 30%	NONE	ACOL A	8	-4	-19	7	0	-3	-56	0	-56	-12
8	DEC 30%	210--0--0	ACOL A	1	-1	0	0	0	-1	-36	******	-25	-5
9	DEC 30%	210--60--100	ACOL A	0	0	0	0	0	0	-33	******	-21	-4
10	DEC 40%	NONE	ACOL A	11	-5	-25	11	0	-3	-68	0	-68	-15
11	DEC 50%	NONE	ACOL A	13	-6	-29	13	0	-4	-77	0	-77	-17
12	1% PENALTY	NONE	ACOL A	3	-2	-8	2	0	-1	-22	0	-22	-5
13	1% PEN	90--0--0	ACOL A	0	0	0	-2	0	0	-10	******	-5	-1
14	2% PEN	NONE	ACOL A	5	-2	-15	5	0	-1	-34	0	-34	-7
15	2% PEN	150--0--0	ACOL A	-1	0	0	-2	0	0	-15	******	-8	-1
16	3% PEN	NONE	ACOL A	7	-3	-19	7	0	-2	-44	0	-44	-9
17	3% PEN	210--0--0	ACOL A	-1	0	0	-2	0	0	-20	******	-10	-2
18	4% PEN	NONE	ACOL A	8	-4	-21	7	0	-2	-52	0	-52	-11
19	4% PEN	270--0--0	ACOL A	-1	1	0	-2	0	1	-25	******	-11	-2
20	5% PEN	NONE	ACOL A	8	-4	-23	7	0	-2	-57	0	-57	-12
21	6% PEN	NONE	ACOL A	9	-4	-23	7	0	-3	-61	0	-61	-13
22	6% PEN	390--0--0	ACOL A	-4	2	4	-5	0	1	-28	******	-8	0
23	COLA 30/90%	NONE	ACOL A	2	-1	-4	2	0	-1	-14	0	-14	-3
24	COLA 30/75%	NONE	ACOL A	3	-1	-8	2	0	-1	-22	0	-22	-5
25	COLA 30/67%	NONE	ACOL A	3	-2	-8	2	0	-1	-27	0	-27	-6
26	COLA 30/50%	NONE	ACOL A	5	-2	-13	4	0	-1	-35	0	-35	-7
27	COLA 30/33%	NONE	ACOL A	6	-3	-15	5	0	-2	-42	0	-42	-9
28	COLA 30/0%	NONE	ACOL A	8	-4	-19	7	0	-2	-54	0	-54	-11
29	COLA 62/90%	NONE	ACOL A	2	-1	-6	2	0	-1	-22	0	-22	-5
30	COLA 62/75%	NONE	ACOL A	4	-2	-8	4	0	-1	-35	0	-35	-7
31	COLA 62/67%	NONE	ACOL A	5	-2	-10	4	0	-2	-39	0	-39	-8
32	COLA 62/50%	NONE	ACOL A	6	-3	-15	5	0	-2	-52	0	-52	-11
33	COLA 62/50%	150--40--50	ACOL A	0	0	0	-2	0	0	-32	******	-23	-4
34	COLA 62/33%	NONE	ACOL A	8	-4	-19	7	0	-3	-60	0	-60	-13
35	COLA 62/0%	NONE	ACOL A	10	-5	-23	9	0	-3	-72	0	-72	-15
36	COLA LIFE/75%	NONE	ACOL A	4	-2	-10	4	0	-1	-36	0	-36	-7
37	COLA LIFE/50%	NONE	ACOL A	7	-3	-17	5	0	-2	-54	0	-54	-11
38	COLA LIFE/25%	NONE	ACOL A	9	-4	-21	7	0	-3	-66	0	-66	-14
39	COLA LIFE/0%	NONE	ACOL A	10	-5	-25	9	0	-3	-75	0	-75	-16
40	COLA 62/75% + 3% PEN	NONE	ACOL A	9	-4	-23	9	0	-3	-59	0	-59	-13
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	-2	1	2	-2	0	0	-34	******	-19	-3
42	COLA 62/67% + 3% PEN	NONE	ACOL A	58	-15	152	9	0	-3	-54	0	-54	-12
43	HIGH 3	NONE	ACOL B	1	-1	-2	0	0	0	-8	0	-8	-2
44	DEC 30% (1.75 MULT)	NONE	ACOL B	9	-4	-21	7	0	-3	-56	0	-56	-12
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-1	1	2	-2	0	0	-32	******	-19	-3
46	3% PEN	NONE	ACOL B	5	-3	-15	5	0	-2	-41	0	-41	-9
47	3% PEN	210--0--0	ACOL B	-2	1	2	-4	0	1	-18	******	-7	-1
48	COLA 62/50%	NONE	ACOL B	6	-3	-15	5	0	-2	-50	0	-50	-11
49	COLA 62/50%	160-40-50	ACOL B	-1	0	0	-2	0	0	-32	******	-23	-4
50	COLA 62/75% + 3% PEN	NONE	ACOL B	7	-4	-19	7	0	-2	-57	0	-57	-12

SERVICE: USMC COMMUNITY: ENL

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-3	1	6	-4	0	1	-30	******	-14	-2
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	57	-15	152	9	0	-3	-41	0	-41	-10
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	47	-10	152	2	0	0	-24	******	-11	-2
54	3% PEN	NONE	DMSM(ACOL B)	54	-13	152	5	0	-2	-31	0	-31	-7
55	3% PEN	210--0--0	DMSM(ACOL B)	47	-9	152	2	0	0	-15	******	-4	0
56	COLA 62/50%	NONE	DMSM(ACOL B)	55	-14	152	7	0	-3	-47	0	-47	-10
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	48	-10	152	2	0	0	-31	******	-22	-4
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	56	-14	152	7	0	-3	-51	0	-51	-11
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	46	-9	152	0	0	0	-28	******	-11	-2
60	SS OFFSET=1.25%/YR	NONE	ACOL A	5	-2	-13	4	0	-1	-38	0	-38	-8
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	2	0	-10	2	0	0	-12	0	-12	-2
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	2	0	-15	2	0	0	-18	0	-18	-3
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	-9	-3	-23	7	0	-4	-45	0	-45	-11
64	VEST 22,AFTER SHIFT	NONE	ACOL A	10	-5	-27	9	0	-3	-60	0	-60	-13
65	VEST 24,AFTER SHIFT	NONE	ACOL A	13	-7	-33	13	0	-4	-77	0	-77	-17
66	VEST 30,AFTER SHIFT	NONE	ACOL A	17	-8	-42	16	0	-5	-87	0	-87	-20
67	RMA	NONE	ACOL A	4	-2	-13	4	0	-1	-39	0	-39	-8
68	USRBA W/O LOAN	NONE	ACOL A	4	-2	-13	4	0	-1	-36	0	-36	-7
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-1	0	-2	-2	0	0	-23	******	-15	-3
70	PPSSCC OSD 24B	NONE	ACOL A	13	-6	-31	13	0	-4	-88	0	-88	-19
71	PPSSCC USAF 1.9%	NONE	ACOL A	16	-7	-40	16	0	-5	-91	0	-91	-20

SERVICE: USMC COMMUNITY: BOTH

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	831	3105	53	66	0	4055	953	0	953	5008
3	HIGH 3	NONE	ACOL A	840	3087	59	66	0	4052	893	0	893	4945
4	DEC 10%	NONE	ACOL A	865	3047	56	68	0	4036	736	0	736	4772
5	DEC 20%	NONE	ACOL A	891	3009	52	69	0	4021	594	0	594	4615
6	DEC 20%	150--30--70	ACOL A	831	3099	60	66	0	4056	729	75	804	4860
7	DEC 30%	NONE	ACOL A	915	2976	50	71	0	4012	471	0	471	4483
8	DEC 30%	210--0--0	ACOL A	846	3070	60	66	0	4042	621	92	713	4755
9	DEC 30%	210--60--100	ACOL A	820	3112	60	65	0	4057	642	111	753	4810
10	DEC 40%	NONE	ACOL A	941	2943	47	73	0	4004	331	0	331	4335
11	DEC 50%	NONE	ACOL A	965	2915	45	74	0	3999	270	0	270	4269
12	1% PENALTY	NONE	ACOL A	858	3063	56	67	0	4044	781	0	781	4825
13	1% PEN	90--0--0	ACOL A	827	3109	60	65	0	4061	868	39	907	4968
14	2% PEN	NONE	ACOL A	869	3040	52	69	0	4030	684	0	684	4714
15	2% PEN	150--0--0	ACOL A	821	3116	60	64	0	4061	820	65	885	4946
16	3% PEN	NONE	ACOL A	876	3018	50	70	0	4014	601	0	601	4615
17	3% PEN	210--0--0	ACOL A	814	3124	60	64	0	4062	777	91	868	4930
18	4% PEN	NONE	ACOL A	881	3009	49	70	0	4009	528	0	528	4537
19	4% PEN	270--0--0	ACOL A	803	3137	60	64	0	4064	741	117	858	4922
20	5% PEN	NONE	ACOL A	881	3003	48	70	0	4002	501	0	501	4503
21	6% PEN	NONE	ACOL A	881	3001	48	70	0	4000	470	0	470	4470
22	6% PEN	390--0--0	ACOL A	775	3184	62	62	0	4083	702	176	878	4961
23	COLA 30/90%	NONE	ACOL A	846	3079	58	67	0	4050	841	0	841	4891
24	COLA 30/75%	NONE	ACOL A	854	3065	56	67	0	4042	767	0	767	4809
25	COLA 30/67%	NONE	ACOL A	859	3058	56	67	0	4040	731	0	731	4771
26	COLA 30/50%	NONE	ACOL A	867	3044	53	68	0	4032	660	0	660	4692
27	COLA 30/33%	NONE	ACOL A	873	3031	52	69	0	4025	599	0	599	4624
28	COLA 30/0%	NONE	ACOL A	883	3007	50	70	0	4010	498	0	498	4508
29	COLA 62/90%	NONE	ACOL A	851	3069	57	67	0	4044	763	0	763	4807
30	COLA 62/75%	NONE	ACOL A	866	3044	56	68	0	4034	652	0	652	4686
31	COLA 62/67%	NONE	ACOL A	873	3033	54	68	0	4028	523	0	623	4651
32	COLA 62/50%	NONE	ACOL A	888	3010	52	69	0	4019	512	0	512	4531
33	COLA 62/50%	160--40--50	ACOL A	823	3113	60	64	0	4060	660	80	740	4800
34	COLA 62/33%	NONE	ACOL A	902	2990	50	70	0	4012	431	0	431	4443
35	COLA 62/0%	NONE	ACOL A	923	2960	48	72	0	4003	322	0	322	4325
36	COLA LIFE/75%	NONE	ACOL A	870	3041	48	68	0	4027	645	0	645	4672
37	COLA LIFE/50%	NONE	ACOL A	894	3004	45	69	0	4012	478	0	478	4490
38	COLA LIFE/25%	NONE	ACOL A	914	2976	43	71	0	4004	365	0	365	4369
39	COLA LIFE/0%	NONE	ACOL A	930	2953	41	72	0	3996	284	0	284	4280
40	COLA 62/75% + 3% PEN	NONE	ACOL A	896	2985	48	71	0	4000	463	0	463	4463
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	822	3126	61	64	0	4073	631	124	755	4828
42	COLA 62/67% + 3% PEN	NONE	ACOL A	1219	2749	138	71	0	4177	469	0	469	4646
43	HIGH 3	NONE	ACOL B	841	3089	52	66	0	4048	892	0	892	4940
44	DEC 30% (1.75 MULT)	NONE	ACOL B	915	2975	43	71	0	4004	469	0	469	4473
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	814	3123	54	64	0	4055	652	114	766	4821
46	3% PEN	NONE	ACOL B	867	3037	46	69	0	4019	623	0	623	4642
47	3% PEN	210--0--0	ACOL B	806	3140	54	63	0	4063	795	93	888	4951
48	COLA 62/50%	NONE	ACOL B	888	3010	46	69	0	4013	522	0	522	4535
49	COLA 62/50%	160-40-50	ACOL B	819	3116	53	64	0	4052	663	82	745	4797
50	COLA 62/75% + 3% PEN	NONE	ACOL B	886	3003	44	70	0	4003	479	0	479	4482

SERVICE: USMC COMMUNITY: BOTH

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	815	3138	56	63	0	4072	670	126	796	4868
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	1233	2738	138	73	0	4182	589	0	589	4771
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	1139	2886	138	68	0	4222	714	117	831	5053
54	3% PEN	NONE	DMSM(ACOL B)	1184	2801	138	71	0	4194	681	0	681	4875
55	3% PEN	210--0--0	DMSM(ACOL B)	1122	2901	138	68	0	4229	800	95	895	5124
56	COLA 62/50%	NONE	DMSM(ACOL B)	1204	2766	138	72	0	4180	559	0	559	4739
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	1135	2879	138	68	0	4220	676	83	759	4979
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	1203	2765	138	72	0	4178	515	0	515	4693
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DMSM(ACOL B)	1131	2901	138	67	0	4237	682	129	811	5048
60	SS OFFSET=1.25%/YR	NONE	ACOL A	865	3047	53	68	0	4033	601	0	601	4634
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	821	3113	54	66	0	4054	864	0	864	4918
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	818	3135	52	66	0	4071	828	0	828	4899
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	799	3049	48	70	0	3966	623	0	623	4589
64	VEST 22,AFTER SHIFT	NONE	ACOL A	919	2958	46	72	0	3995	469	0	469	4464
65	VEST 24,AFTER SHIFT	NONE	ACOL A	956	2904	42	74	0	3976	339	0	339	4315
66	VEST 30,AFTER SHIFT	NONE	ACOL A	1024	2843	37	77	0	3981	221	0	221	4202
67	RMA	NONE	ACOL A	865	3045	47	68	0	4025	633	0	633	4658
68	USRBA W/O LOAN	NONE	ACOL A	869	3046	47	68	0	4030	650	0	650	4680
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	822	3113	52	65	0	4051	757	70	827	4878
70	PPSSCC OSD 24B	NONE	ACOL A	917	2935	44	73	0	3969	179	0	179	4148
71	PPSSCC USAF 1.9%	NONE	ACOL A	975	2887	39	76	0	3977	137	0	137	4114

SERVICE: USMC COMMUNITY: BOI

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	831	3105	53	66	0	4055	953	0	953	5008
3	HIGH 3	NONE	ACOL A	9	-18	6	0	0	-3	-60	0	-60	-63
4	DEC 10%	NONE	ACOL A	34	-58	3	2	0	-19	-217	0	-217	-236
5	DEC 20%	NONE	ACOL A	60	-96	-1	3	0	-34	-359	0	-359	-393
6	DEC 20%	150--30--70	ACOL A	0	-6	7	0	0	1	-224	75	-149	-148
7	DEC 30%	NONE	ACOL A	84	-129	-3	5	0	-43	-482	0	-482	-525
8	DEC 30%	210--0--0	ACOL A	15	-35	7	0	0	-13	-332	92	-240	-253
9	DEC 30%	210--60--100	ACOL A	-11	7	7	-1	0	2	-311	111	-200	-198
10	DEC 40%	NONE	ACOL A	110	-162	-6	7	0	-51	-622	0	-622	-673
11	DEC 50%	NONE	ACOL A	134	-190	-8	8	0	-56	-683	0	-683	-739
12	1% PENALTY	NONE	ACOL A	27	-42	3	1	0	-11	-172	0	-172	-183
13	1% PEN	90--0--0	ACOL A	-4	4	7	-1	0	6	-85	39	-46	-40
14	2% PEN	NONE	ACOL A	38	-65	-1	3	0	-25	-269	0	-269	-294
15	2% PEN	150--0--0	ACOL A	-10	11	7	-2	0	6	-133	65	-68	-62
16	3% PEN	NONE	ACOL A	45	-87	-3	4	0	-41	-352	0	-352	-393
17	3% PEN	210--0--0	ACOL A	-17	19	7	-2	0	7	-176	91	-85	-78
18	4% PEN	NONE	ACOL A	50	-96	-4	4	0	-46	-425	0	-425	-471
19	4% PEN	270--0--0	ACOL A	-28	32	7	-2	0	9	-212	117	-95	-86
20	5% PEN	NONE	ACOL A	50	-102	-5	4	0	-53	-452	0	-452	-505
21	6% PEN	NONE	ACOL A	50	-104	-5	4	0	-55	-483	0	-483	-538
22	6% PEN	390--0--0	ACOL A	-56	79	9	-4	0	28	-251	176	-75	-47
23	COLA 30/90%	NONE	ACOL A	15	-26	5	1	0	-5	-112	0	-112	-117
24	COLA 30/75%	NONE	ACOL A	23	-40	3	1	0	-13	-186	0	-186	-199
25	COLA 30/67%	NONE	ACOL A	28	-47	3	1	0	-15	-222	0	-222	-237
26	COLA 30/50%	NONE	ACOL A	36	-61	0	2	0	-23	-293	0	-293	-316
27	COLA 30/33%	NONE	ACOL A	42	-74	-1	3	0	-30	-354	0	-354	-384
28	COLA 30/0%	NONE	ACOL A	52	-98	-3	4	0	-45	-455	0	-455	-500
29	COLA 62/90%	NONE	ACOL A	20	-36	4	1	0	-11	-190	0	-190	-201
30	COLA 62/75%	NONE	ACOL A	35	-61	3	2	0	-21	-301	0	-301	-322
31	COLA 62/67%	NONE	ACOL A	42	-72	1	2	0	-27	-330	0	-330	-357
32	COLA 62/50%	NONE	ACOL A	57	-95	-1	3	0	-36	-441	0	-441	-477
33	COLA 62/50%	160--40--50	ACOL A	-8	8	7	-2	0	5	-293	80	-213	-208
34	COLA 62/33%	NONE	ACOL A	71	-115	-3	4	0	-43	-522	0	-522	-565
35	COLA 62/0%	NONE	ACOL A	92	-145	-5	6	0	-52	-631	0	-631	-683
36	COLA LIFE/75%	NONE	ACOL A	39	-64	-5	2	0	-28	-308	0	-308	-336
37	COLA LIFE/50%	NONE	ACOL A	63	-101	-8	3	0	-43	-475	0	-475	-518
38	COLA LIFE/25%	NONE	ACOL A	83	-129	-10	5	0	-51	-588	0	-588	-639
39	COLA LIFE/0%	NONE	ACOL A	99	-152	-12	6	0	-59	-669	0	-669	-728
40	COLA 62/75% + 3% PEN	NONE	ACOL A	65	-120	-5	5	0	-55	-490	0	-490	-545
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	-9	21	8	-2	0	18	-322	124	-198	-180
42	COLA 62/67% + 3% PEN	NONE	ACOL A	388	-356	85	5	0	122	-484	0	-484	-362
43	HIGH 3	NONE	ACOL B	10	-16	-1	0	0	-7	-67	0	-61	-68
44	DEC 30% (1.75 MULT)	NONE	ACOL B	84	-130	-10	5	0	-51	-484	0	-484	-535
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-17	18	1	-2	0	0	-301	114	-187	-187
46	3% PEN	NONE	ACOL B	36	-68	-7	3	0	-36	-330	0	-330	-366
47	3% PEN	210--0--0	ACOL B	-25	35	1	-3	0	8	-158	93	-65	-57
48	COLA 62/50%	NONE	ACOL B	57	-95	-7	3	0	-42	-431	0	-431	-473
49	COLA 62/50%	160-40-50	ACOL B	-12	11	0	-2	0	-3	-290	82	-208	-211
50	COLA 62/75% + 3% PEN	NONE	ACOL B	55	-102	-9	4	0	-52	-474	0	-474	-526

SERVICE: USMC COMMUNITY: BOTH

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-16	33	3	-3	0	17	-283	126	-157	-140
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	402	-367	85	7	0	127	-364	0	-364	-237
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	299	-219	85	2	0	167	-239	117	-122	45
54	3% PEN	NONE	DMSM(ACOL B)	353	-304	85	5	0	139	-272	0	-272	-133
55	3% PEN	210--0--0	DMSM(ACOL B)	291	-204	85	2	0	174	-153	95	-58	116
56	COLA 62/50%	NONE	DMSM(ACOL B)	373	-339	85	6	0	125	-394	0	-394	-269
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	304	-226	85	2	0	165	-277	83	-194	-29
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	372	-340	85	6	0	123	-438	0	-438	-315
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	300	-204	85	1	0	182	-271	129	-142	40
60	SS OFFSET=1.25%/YR	NONE	ACOL A	34	-58	0	2	0	-22	-352	0	-352	-374
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-10	8	1	0	0	-1	-89	0	-89	-90
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-13	30	-1	0	0	16	-125	0	-125	-109
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	-32	-56	-5	4	0	-89	-330	0	-330	-419
64	VEST 22,AFTER SHIFT	NONE	ACOL A	88	-147	-7	6	0	-60	-484	0	-484	-544
65	VEST 24,AFTER SHIFT	NONE	ACOL A	125	-201	-11	8	0	-79	-614	0	-614	-693
66	VEST 30,AFTER SHIFT	NONE	ACOL A	193	-262	-16	11	0	-74	-732	0	-732	-806
67	RMA	NONE	ACOL A	34	-60	-6	2	0	-30	-320	0	-320	-350
68	USRBA W/O LOAN	NONE	ACOL A	38	-59	-6	2	0	-25	-303	0	-303	-328
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-9	8	-1	-2	0	-4	-196	70	-126	-130
70	PPSSCC OSD 24B	NONE	ACOL A	86	-170	-9	7	0	-86	-774	0	-774	-860
71	PPSSCC USAF 1.9%	NONE	ACOL A	144	-218	-14	10	0	-78	-816	0	-816	-894

SERVICE: USMC COMMUNITY: BOTH

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	CAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	SW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	831	3105	53	66	0	4055	953	0	953	5008
3	HIGH 3	NONE	ACOL A	1	-1	11	0	0	0	-6	0	-6	-1
4	DEC 10%	NONE	ACOL A	4	-2	6	3	0	0	-23	0	-23	-5
5	DEC 20%	NONE	ACOL A	7	-3	-2	5	0	-1	-38	0	-38	-8
6	DEC 20%	150--30--70	ACOL A	0	0	13	0	0	0	-24	******	-16	-3
7	DEC 30%	NONE	ACOL A	10	-4	-6	8	0	-1	-51	0	-51	-10
8	DEC 30%	210--0--0	ACOL A	2	-1	13	0	0	0	-35	******	-25	-5
9	DEC 30%	210--60--100	ACOL A	-1	0	13	-2	0	0	-33	******	-21	-4
10	DEC 40%	NONE	ACOL A	13	-5	-11	11	0	-1	-65	0	-65	-13
11	DEC 50%	NONE	ACOL A	16	-6	-15	12	0	-1	-72	0	-72	-15
12	1% PENALTY	NONE	ACOL A	3	-1	6	2	0	0	-18	0	-18	-4
13	1% PEN	90--0--0	ACOL A	0	0	13	-2	0	0	-9	******	-5	-1
14	2% PEN	NONE	ACOL A	5	-2	-2	5	0	-1	-28	0	-28	-6
15	2% PEN	150--0--0	ACOL A	-1	0	13	-3	0	0	-14	******	-7	-1
16	3% PEN	NONE	ACOL A	5	-3	-6	6	0	-1	-37	0	-37	-8
17	3% PEN	210--0--0	ACOL A	-2	1	13	-3	0	0	-18	******	-9	-2
18	4% PEN	NONE	ACOL A	6	-3	-8	6	0	-1	-45	0	-45	-9
19	4% PEN	270--0--0	ACOL A	-3	1	13	-3	0	0	-22	******	-10	-2
20	5% PEN	NONE	ACOL A	6	-3	-9	6	0	-1	-47	0	-47	-10
21	6% PEN	NONE	ACOL A	6	-3	-9	6	0	-1	-51	0	-51	-11
22	6% PEN	390--0--0	ACOL A	-7	3	17	-6	0	1	-26	******	-8	-1
23	COLA 30/90%	NONE	ACOL A	2	-1	9	2	0	0	-12	0	-12	-2
24	COLA 30/75%	NONE	ACOL A	3	-1	6	2	0	0	-20	0	-20	-4
25	COLA 30/67%	NONE	ACOL A	3	-2	6	2	0	0	-23	0	-23	-5
26	COLA 30/50%	NONE	ACOL A	4	-2	0	3	0	-1	-31	0	-31	-6
27	COLA 30/33%	NONE	ACOL A	5	-2	-2	5	0	-1	-37	0	-37	-8
28	COLA 30/0%	NONE	ACOL A	6	-3	-6	6	0	-1	-48	0	-48	-10
29	COLA 62/90%	NONE	ACOL A	2	-1	8	2	0	0	-20	0	-20	-4
30	COLA 62/75%	NONE	ACOL A	4	-2	6	3	0	-1	-32	0	-32	-6
31	COLA 62/67%	NONE	ACOL A	5	-2	2	3	0	-1	-35	0	-35	-7
32	COLA 62/50%	NONE	ACOL A	7	-3	-2	5	0	-1	-46	0	-46	-10
33	COLA 62/50%	160--40--50	ACOL A	-1	0	13	-3	0	0	-31	******	-22	-4
34	COLA 62/33%	NONE	ACOL A	9	-4	-6	6	0	-1	-55	0	-55	-11
35	COLA 62/0%	NONE	ACOL A	11	-5	-9	9	0	-1	-66	0	-66	-14
36	COLA LIFE/75%	NONE	ACOL A	5	-2	-9	3	0	-1	-32	0	-32	-7
37	COLA LIFE/50%	NONE	ACOL A	8	-3	-15	5	0	-1	-50	0	-50	-10
38	COLA LIFE/25%	NONE	ACOL A	10	-4	-19	8	0	-1	-62	0	-62	-13
39	COLA LIFE/0%	NONE	ACOL A	12	-5	-23	9	0	-1	-70	0	-70	-15
40	COLA 62/75% + 3% PEN	NONE	ACOL A	8	-4	-9	8	0	-1	-51	0	-51	-11
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	-1	1	15	-3	0	0	-34	******	-21	-4
42	COLA 62/67% + 3% PEN	NONE	ACOL A	47	-11	160	8	0	3	-51	0	-51	-7
43	HIGH 3	NONE	ACOL B	1	-1	-2	0	0	0	-6	0	-6	-1
44	DEC 30% (1.75 MULT)	NONE	ACOL B	10	-4	-19	8	0	-1	-51	0	-51	-11
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-2	1	2	-3	0	0	-32	******	-20	-4
46	3% PEN	NONE	ACOL B	4	-2	-13	5	0	-1	-35	0	-35	-7
47	3% PEN	210--0--0	ACOL B	-3	1	2	-5	0	0	-17	******	-7	-1
48	COLA 62/50%	NONE	ACOL B	7	-3	-13	5	0	-1	-45	0	-45	-9
49	COLA 62/50%	160-40-50	ACOL B	-1	0	0	-3	0	0	-30	******	-22	-4
50	COLA 62/75% + 3% PEN	NONE	ACOL B	7	-3	-17	6	0	-1	-50	0	-50	-11

SERVICE: USMC COMMUNITY: BOTH

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-2	1	6	-5	0	0	-30	******	-16	-3
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	48	-12	160	11	0	3	-38	0	-38	-5
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	36	-7	160	3	0	4	-25	******	-13	1
54	3% PEN	NONE	DMSM(ACOL B)	42	-10	160	8	0	3	-29	0	-29	-3
55	3% PEN	210--0--0	DMSM(ACOL B)	35	-7	160	3	0	4	-16	******	-6	2
56	COLA 62/50%	NONE	DMSM(ACOL B)	45	-11	160	9	0	3	-41	0	-41	-5
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	37	-7	160	3	0	4	-29	******	-20	-1
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	45	-11	160	9	0	3	-46	0	-46	-6
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	36	-7	160	2	0	4	-28	******	-15	1
60	SS OFFSET=1.25%/YR	NONE	ACOL A	4	-2	0	3	0	-1	-37	0	-37	-7
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-1	0	2	0	0	0	-9	0	-9	-2
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-2	1	-2	0	0	0	-13	0	-13	-2
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	-4	-2	-9	6	0	-2	-35	0	-35	-8
64	VEST 22,AFTER SHIFT	NONE	ACOL A	11	-5	-13	9	0	-1	-51	0	-51	-11
65	VEST 24,AFTER SHIFT	NONE	ACOL A	15	-6	-21	12	0	-2	-64	0	-64	-14
66	VEST 30,AFTER SHIFT	NONE	ACOL A	23	-8	-30	17	0	-2	-77	0	-77	-16
67	RMA	NONE	ACOL A	4	-2	-11	3	0	-1	-34	0	-34	-7
68	USRBA W/O LOAN	NONE	ACOL A	5	-2	-11	3	0	-1	-32	0	-32	-7
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-1	0	-2	-3	0	0	-21	******	-13	-3
70	PPSSCC OSD 24B	NONE	ACOL A	10	-5	-17	11	0	-2	-81	0	-81	-17
71	PPSSCC USAF 1.9%	NONE	ACOL A	17	-7	-26	15	0	-2	-86	0	-86	-18

SERVICE: USAF COMMUNITY: OFF

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	824	3077	150	43	0	4094	2182	0	2182	6276
3	HIGH 3	NONE	ACOL A	838	3064	188	44	0	4134	2075	0	2075	6209
4	DEC 10%	NONE	ACOL A	876	3023	187	46	0	4132	1814	0	1814	5946
5	DEC 20%	NONE	ACOL A	907	2983	185	48	0	4123	1559	0	1559	5682
6	DEC 20%	150--30--70	ACOL A	827	3067	189	43	0	4126	1677	159	1836	5962
7	DEC 30%	NONE	ACOL A	945	2942	183	50	0	4120	1311	0	1311	5431
8	DEC 30%	210--0--0	ACOL A	852	3020	188	45	0	4105	1457	183	1640	5745
9	DEC 30%	210--60--100	ACOL A	814	3082	189	43	0	4128	1478	237	1715	5843
10	DEC 40%	NONE	ACOL A	984	2901	181	52	0	4118	1074	0	1074	5192
11	DEC 50%	NONE	ACOL A	1023	2861	178	54	0	4116	853	0	853	4969
12	1% PENALTY	NONE	ACOL A	854	3056	187	45	0	4142	1923	0	1923	6065
13	1% PEN	90--0--0	ACOL A	819	3088	189	43	0	4139	1995	77	2072	6211
14	2% PEN	NONE	ACOL A	867	3049	186	46	0	4148	1792	0	1792	5940
15	2% PEN	150--0--0	ACOL A	810	3105	189	43	0	4147	1896	127	2023	6170
16	3% PEN	NONE	ACOL A	867	3047	185	46	0	4145	1684	0	1684	5829
17	3% PEN	210--0--0	ACOL A	795	3123	189	42	0	4149	1813	178	1991	6140
18	4% PEN	NONE	ACOL A	875	3048	184	46	0	4153	1479	0	1479	5632
19	4% PEN	270--0--0	ACOL A	233	3145	190	35	0	3603	1742	230	1972	5575
20	5% PEN	NONE	ACOL A	875	3052	184	46	0	4157	1533	0	1533	5690
21	6% PEN	NONE	ACOL A	874	3057	184	46	0	4161	1479	0	1479	5640
22	6% PEN	390--0--0	ACOL A	744	3192	191	39	0	4166	1623	336	1959	6125
23	COLA 30/90%	NONE	ACOL A	844	3060	188	44	0	4136	1990	0	1990	6126
24	COLA 30/75%	NONE	ACOL A	854	3053	187	45	0	4139	1869	0	1869	6008
25	COLA 30/67%	NONE	ACOL A	859	3049	187	45	0	4140	1809	0	1809	5949
26	COLA 30/50%	NONE	ACOL A	868	3042	186	46	0	4142	1692	0	1692	5834
27	COLA 30/33%	NONE	ACOL A	874	3036	185	46	0	4141	1586	0	1586	5727
28	COLA 30/0%	NONE	ACOL A	881	3027	185	46	0	4139	1409	0	1409	5548
29	COLA 62/90%	NONE	ACOL A	851	3050	187	45	0	4133	1861	0	1861	5994
30	COLA 62/75%	NONE	ACOL A	871	3028	186	46	0	4131	1668	0	1668	5799
31	COLA 62/67%	NONE	ACOL A	881	3017	186	46	0	4130	1617	0	1617	5747
32	COLA 62/50%	NONE	ACOL A	901	2995	185	47	0	4128	1422	0	1422	5550
33	COLA 62/50%	160--40--50	ACOL A	814	3089	189	43	0	4135	1558	169	1727	5862
34	COLA 62/33%	NONE	ACOL A	920	2973	184	48	0	4125	1235	0	1235	5360
35	COLA 62/0%	NONE	ACOL A	953	2937	182	50	0	4122	988	0	988	5110
36	COLA LIFE/75%	NONE	ACOL A	877	3018	148	46	0	4089	1617	0	1617	5706
37	COLA LIFE/50%	NONE	ACOL A	912	2979	147	48	0	4086	1279	0	1279	5365
38	COLA LIFE/25%	NONE	ACOL A	941	2946	147	50	0	4084	1029	0	1029	5113
39	COLA LIFE/0%	NONE	ACOL A	967	2919	146	51	0	4083	842	0	842	4925
40	COLA 62/75% + 3% PEN	NONE	ACOL A	899	3012	184	47	0	4142	1402	0	1402	5544
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	822	3087	188	43	0	4140	1465	166	1631	5771
42	COLA 62/67% + 3% PEN	NONE	ACOL A	1340	3212	207	46	0	4805	1375	0	1375	6180
43	HIGH 3	NONE	ACOL B	838	3063	149	44	0	4094	2077	0	2077	6171
44	DEC 30% (1.75 MULT)	NONE	ACOL B	944	2942	147	50	0	4083	1312	0	1312	5395
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	813	3081	150	43	0	4087	1481	238	1719	5806
46	3% PEN	NONE	ACOL B	870	3048	147	46	0	4111	1693	0	1693	5804
47	3% PEN	210--0--0	ACOL B	794	3122	149	42	0	4107	1820	179	1999	6106
48	COLA 62/50%	NONE	ACOL B	901	2994	148	47	0	4090	1424	0	1424	5514
49	COLA 62/50%	160-40-50	ACOL B	813	3089	150	43	0	4095	1560	170	1730	5825
50	COLA 62/75% + 3% PEN	NONE	ACOL B	896	3013	147	47	0	4103	1410	0	1410	5513

SERVICE: USAF COMMUNITY: OFF

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	820	3087	149	43	0	4099	1518	166	1684	5783
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	1377	3129	207	47	0	4760	1310	0	1310	6070
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	1245	3257	207	42	0	4751	1398	238	1636	6387
54	3% PEN	NONE	DMSM(ACOL B)	1302	3215	207	47	0	4771	1598	0	1598	6369
55	3% PEN	210--0--0	DMSM(ACOL B)	1226	3291	207	44	0	4768	1698	189	1887	6655
56	COLA 62/50%	NONE	DMSM(ACOL B)	1333	3170	207	45	0	4755	1368	0	1368	6123
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	1245	3255	207	42	0	4749	1446	172	1618	6367
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	1329	3173	207	45	0	4754	1217	0	1217	5971
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	1252	3245	207	42	0	4746	1326	176	1502	6248
60	SS OFFSET=1.25%/YR	NONE	ACOL A	861	3056	186	45	0	4148	1467	0	1467	5615
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	799	3162	189	42	0	4192	2111	0	2111	6303
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	793	3190	188	42	0	4213	2093	0	2093	6306
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	835	3160	182	44	0	4221	1850	0	1850	6071
64	VEST 22,AFTER SHIFT	NONE	ACOL A	923	2975	183	49	0	4130	1508	0	1508	5638
65	VEST 24,AFTER SHIFT	NONE	ACOL A	994	2881	179	52	0	4106	1343	0	1343	5449
66	VEST 30,AFTER SHIFT	NONE	ACOL A	1134	2706	172	60	0	4072	972	0	972	5044
67	RMA	NONE	ACOL A	871	3039	147	46	0	4103	1755	0	1755	5858
68	USRBA W/O LOAN	NONE	ACOL A	882	3027	147	46	0	4102	1724	0	1724	5826
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	816	3093	149	43	0	4101	1863	138	2001	6102
70	PPSSCC OSD 24B	NONE	ACOL A	924	2989	182	49	0	4144	689	0	689	4833
71	PPSSCC USAF 1.9%	NONE	ACOL A	1027	2880	177	54	0	4138	525	0	525	4663

SERVICE: USAF COMMUNITY: OFF

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	824	3077	150	43	0	4094	2182	0	2182	6276
3	HIGH 3	NONE	ACOL A	34	-13	38	1	0	40	-107	0	-107	-67
4	DEC 10%	NONE	ACOL A	52	-54	37	3	0	38	-368	0	-368	-330
5	DEC 20%	NONE	ACOL A	83	-94	35	5	0	29	-623	0	-623	-594
6	DEC 20%	150--30--70	ACOL A	3	-10	39	0	0	32	-505	159	-346	-314
7	DEC 30%	NONE	ACOL A	121	-135	33	7	0	26	-871	0	-871	-845
8	DEC 30%	210--0--0	ACOL A	28	-57	38	2	0	11	-725	183	-542	-531
9	DEC 30%	210--60--100	ACOL A	-10	5	39	0	0	34	-704	237	-467	-433
10	DEC 40%	NONE	ACOL A	160	-176	31	9	0	24	-1108	0	-1108	-1084
11	DEC 50%	NONE	ACOL A	199	-216	28	11	0	22	-1329	0	-1329	-1307
12	1% PENALTY	NONE	ACOL A	30	-21	37	2	0	48	-259	0	-259	-211
13	1% PEN	90--0--0	ACOL A	-5	11	39	0	0	45	-187	77	-110	-65
14	2% PEN	NONE	ACOL A	43	-28	36	3	0	54	-390	0	-390	-336
15	2% PEN	150--0--0	ACOL A	-14	28	39	0	0	53	-286	127	-159	-106
16	3% PEN	NONE	ACOL A	43	-30	35	3	0	51	-498	0	-498	-447
17	3% PEN	210--0--0	ACOL A	-29	46	39	-1	0	55	-369	178	-191	-136
18	4% PEN	NONE	ACOL A	51	-29	34	3	0	59	-703	0	-703	-644
19	4% PEN	270--0--0	ACOL A	-591	68	40	-8	0	-491	-440	230	-210	-701
20	5% PEN	NONE	ACOL A	51	-25	34	3	0	63	-649	0	-649	-586
21	6% PEN	NONE	ACOL A	50	-20	34	3	0	67	-703	0	-703	-636
22	6% PEN	390--0--0	ACOL A	-80	115	41	-4	0	72	-559	336	-223	-151
23	COLA 30/90%	NONE	ACOL A	20	-17	38	1	0	42	-192	0	-192	-150
24	COLA 30/75%	NONE	ACOL A	30	-24	37	2	0	45	-313	0	-313	-268
25	COLA 30/67%	NONE	ACOL A	35	-28	37	2	0	46	-373	0	-373	-327
26	COLA 30/50%	NONE	ACOL A	44	-35	36	3	0	48	-490	0	-490	-442
27	COLA 30/33%	NONE	ACOL A	50	-41	35	3	0	47	-596	0	-596	-549
28	COLA 30/0%	NONE	ACOL A	57	-50	35	3	0	45	-773	0	-773	-728
29	COLA 62/90%	NONE	ACOL A	27	-27	37	2	0	39	-321	0	-321	-282
30	COLA 62/75%	NONE	ACOL A	47	-49	36	3	0	37	-514	0	-514	-477
31	COLA 62/67%	NONE	ACOL A	57	-60	36	3	0	36	-565	0	-565	-529
32	COLA 62/50%	NONE	ACOL A	77	-82	35	4	0	34	-760	0	-760	-726
33	COLA 62/50%	160--40--50	ACOL A	-10	12	39	0	0	41	-624	169	-455	-414
34	COLA 62/33%	NONE	ACOL A	96	-104	34	5	0	31	-947	0	-947	-916
35	COLA 62/0%	NONE	ACOL A	129	-140	32	7	0	28	-1194	0	-1194	-1166
36	COLA LIFE/75%	NONE	ACOL A	53	-59	-2	3	0	-5	-565	0	-565	-570
37	COLA LIFE/50%	NONE	ACOL A	88	-98	-3	5	0	-8	-903	0	-903	-911
38	COLA LIFE/25%	NONE	ACOL A	117	-131	-3	7	0	-10	-1153	0	-1153	-1163
39	COLA LIFE/0%	NONE	ACOL A	143	-158	-4	8	0	-11	-1340	0	-1340	-1351
40	COLA 62/75% + 3% PEN	NONE	ACOL A	75	-65	34	4	0	48	-780	0	-780	-732
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	-2	10	38	0	0	46	-717	166	-551	-505
42	COLA 62/67% + 3% PEN	NONE	ACOL A	516	135	57	3	0	711	-807	0	-807	-96
43	HIGH 3	NONE	ACOL B	14	-14	-1	1	0	0	-105	0	-105	-105
44	DEC 30% (1.75 MULT)	NONE	ACOL B	120	-135	-3	7	0	-11	-870	0	-870	-881
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-11	4	0	0	0	-7	-701	238	-463	-470
46	3% PEN	NONE	ACOL B	46	-29	-3	3	0	17	-489	0	-489	-472
47	3% PEN	210--0--0	ACOL B	-30	45	-1	-1	0	13	-362	179	-183	-170
48	COLA 62/50%	NONE	ACOL B	77	-83	-2	4	0	-4	-758	0	-758	-762
49	COLA 62/50%	160-40-50	ACOL B	-11	12	0	0	0	1	-622	170	-452	-451
50	COLA 62/75% + 3% PEN	NONE	ACOL B	72	-64	-3	4	0	9	-772	0	-772	-763

SERVICE: USAF COMMUNITY: OFF

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-4	10	-1	0	0	5	-664	166	-498	-493
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	553	52	57	4	0	666	-672	0	-672	-206
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	421	180	57	-1	0	657	-784	238	-546	111
54	3% PEN	NONE	DMSM(ACOL B)	478	138	57	4	0	677	-584	0	-584	93
55	3% PEN	210--0--0	DMSM(ACOL B)	492	214	57	1	0	674	-484	189	-295	379
56	COLA 62/50%	NONE	DMSM(ACOL B)	509	93	57	2	0	661	-814	0	-814	-153
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	421	178	57	-1	0	655	-736	172	-564	91
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	505	96	57	2	0	660	-965	0	-965	-305
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	428	168	57	-1	0	652	-856	176	-680	-28
60	SS OFFSET=1.25%/YR	NONE	ACOL A	37	-21	36	2	0	54	-715	0	-715	-661
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-25	85	39	-1	0	98	-71	0	-71	27
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-31	113	38	-1	0	119	-89	0	-89	30
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	11	83	32	1	0	127	-332	0	-332	-205
64	VEST 22,AFTER SHIFT	NONE	ACOL A	99	-102	33	6	0	36	-674	0	-674	-638
65	VEST 24,AFTER SHIFT	NONE	ACOL A	170	-196	29	9	0	12	-839	0	-839	-827
66	VEST 30,AFTER SHIFT	NONE	ACOL A	310	-371	22	17	0	-22	-1210	0	-1210	-1232
67	RMA	NONE	ACOL A	47	-38	-3	3	0	9	-427	0	-427	-418
68	USRBA W/O LOAN	NONE	ACOL A	58	-50	-3	3	0	8	-458	0	-458	-450
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-8	16	-1	0	0	7	-319	138	-181	-174
70	PPSSCC OSD 24B	NONE	ACOL A	100	-88	32	6	0	50	-1493	0	-1493	-1443
71	PPSSCC USAF 1.9%	NONE	ACOL A	203	-197	27	11	0	44	-1657	0	-1657	-1613

SERVICE: USAF COMMUNITY: OFF

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	824	3077	150	43	0	4094	2182	0	2182	6276
3	HIGH 3	NONE	ACOL A	2	0	25	2	0	1	-5	0	-5	-1
4	DEC 10%	NONE	ACOL A	6	-2	25	7	0	1	-17	0	-17	-5
5	DEC 20%	NONE	ACOL A	10	-3	23	12	0	1	-29	0	-29	-9
6	DEC 20%	150--30--70	ACOL A	0	0	26	0	0	1	-23	******	-16	-5
7	DEC 30%	NONE	ACOL A	15	-4	22	16	0	1	-40	0	-40	-13
8	DEC 30%	210--0--0	ACOL A	3	-2	25	5	0	0	-33	******	-25	-8
9	DEC 30%	210--60--100	ACOL A	-1	0	26	0	0	1	-32	******	-21	-7
10	DEC 40%	NONE	ACOL A	19	-6	21	21	0	1	-51	0	-51	-17
11	DEC 50%	NONE	ACOL A	24	-7	19	26	0	1	-61	0	-61	-21
12	1% PENALTY	NONE	ACOL A	4	-1	25	5	0	1	-12	0	-12	-3
13	1% PEN	90--0--0	ACOL A	-1	0	26	0	0	1	-9	******	-5	-1
14	2% PEN	NONE	ACOL A	5	-1	24	7	0	1	-18	0	-18	-5
15	2% PEN	150--0--0	ACOL A	-2	1	26	0	0	1	-13	******	-7	-2
16	3% PEN	NONE	ACOL A	5	-1	23	7	0	1	-23	0	-23	-7
17	3% PEN	210--0--0	ACOL A	-4	1	26	-2	0	1	-17	******	-9	-2
18	4% PEN	NONE	ACOL A	6	-1	23	7	0	1	-32	0	-32	-10
19	4% PEN	270--0--0	ACOL A	-72	2	27	-19	0	-12	-20	******	-10	-11
20	5% PEN	NONE	ACOL A	6	-1	23	7	0	2	-30	0	-30	-9
21	6% PEN	NONE	ACOL A	6	-1	23	7	0	2	-32	0	-32	-10
22	6% PEN	390--0--0	ACOL A	-10	4	27	-9	0	2	-26	******	-10	-2
23	COLA 30/90%	NONE	ACOL A	2	-1	25	2	0	1	-9	0	-9	-2
24	COLA 30/75%	NONE	ACOL A	4	-1	25	5	0	1	-14	0	-14	-4
25	COLA 30/67%	NONE	ACOL A	4	-1	25	5	0	1	-17	0	-17	-5
26	COLA 30/50%	NONE	ACOL A	5	-1	24	7	0	1	-22	0	-22	-7
27	COLA 30/33%	NONE	ACOL A	6	-1	23	7	0	1	-27	0	-27	-9
28	COLA 30/0%	NONE	ACOL A	7	-2	23	7	0	1	-35	0	-35	-12
29	COLA 62/90%	NONE	ACOL A	3	-1	25	5	0	1	-15	0	-15	-4
30	COLA 62/75%	NONE	ACOL A	6	-2	24	7	0	1	-24	0	-24	-8
31	COLA 62/67%	NONE	ACOL A	7	-2	24	7	0	1	-26	0	-26	-8
32	COLA 62/50%	NONE	ACOL A	9	-3	23	9	0	1	-35	0	-35	-12
33	COLA 62/50%	160--40--50	ACOL A	-1	0	26	0	0	1	-29	******	-21	-7
34	COLA 62/33%	NONE	ACOL A	12	-3	23	12	0	1	-43	0	-43	-15
35	COLA 62/0%	NONE	ACOL A	16	-5	21	16	0	1	-55	0	-55	-19
36	COLA LIFE/75%	NONE	ACOL A	6	-2	-1	7	0	0	-26	0	-26	-9
37	COLA LIFE/50%	NONE	ACOL A	11	-3	-2	12	0	0	-41	0	-41	-15
38	COLA LIFE/25%	NONE	ACOL A	14	-4	-2	16	0	0	-53	0	-53	-19
39	COLA LIFE/0%	NONE	ACOL A	17	-5	-3	19	0	0	-61	0	-61	-22
40	COLA 62/75% + 3% PEN	NONE	ACOL A	9	-2	23	9	0	1	-36	0	-36	-12
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	0	0	25	0	0	1	-33	******	-25	-8
42	COLA 62/67% + 3% PEN	NONE	ACOL A	63	4	38	7	0	17	-37	0	-37	-2
43	HIGH 3	NONE	ACOL B	2	0	-1	2	0	0	-5	0	-5	-2
44	DEC 30% (1.75 MULT)	NONE	ACOL B	15	-4	-2	16	0	0	-40	0	-40	-14
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-1	0	0	0	0	0	-32	******	-21	-7
46	3% PEN	NONE	ACOL B	6	-1	-2	7	0	0	-22	0	-22	-8
47	3% PEN	210--0--0	ACOL B	-4	1	-1	-2	0	0	-17	******	-8	-3
48	COLA 62/50%	NONE	ACOL B	9	-3	-1	9	0	0	-35	0	-35	-12
49	COLA 62/50%	160-40-50	ACOL B	-1	0	0	0	0	0	-29	******	-21	-7
50	COLA 62/75% + 3% PEN	NONE	ACOL B	9	-2	-2	9	0	0	-35	0	-35	-12

ATCH 4
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SERVICE: USAF COMMUNITY: OFF

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	SW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	0	0	-1	0	0	0	-30	******	-23	-8
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	67	2	38	9	0	16	-40	0	-40	-3
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	51	6	38	-2	0	16	-36	******	-25	2
54	3% PEN	NONE	DMSM(ACOL B)	58	4	38	9	0	17	-27	0	-27	1
55	3% PEN	210--0--0	DMSM(ACOL B)	49	7	38	2	0	16	-22	******	-14	6
56	COLA 62/50%	NONE	DMSM(ACOL B)	62	3	38	5	0	16	-37	0	-37	-2
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	51	6	38	-2	0	16	-34	******	-26	1
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	61	3	38	5	0	16	-44	0	-44	-5
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DMSM(ACOL B)	52	5	38	-2	0	16	-39	******	-31	0
60	SS OFFSET=1.25%/YR	NONE	ACOL A	4	-1	24	5	0	1	-33	0	-33	-11
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-3	3	26	-2	0	2	-3	0	-3	0
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-4	4	25	-2	0	3	-4	0	-4	0
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	1	3	21	2	0	3	-15	0	-15	-3
64	VEST 22,AFTER SHIFT	NONE	ACOL A	12	-3	22	14	0	1	-31	0	-31	-10
65	VEST 24,AFTER SHIFT	NONE	ACOL A	21	-6	19	21	0	0	-38	0	-38	-13
66	VEST 30,AFTER SHIFT	NONE	ACOL A	38	-12	15	40	0	-1	-55	0	-55	-20
67	RMA	NONE	ACOL A	6	-1	-2	7	0	0	-20	0	-20	-7
68	USRBA W/O LOAN	NONE	ACOL A	7	-2	-2	7	0	0	-21	0	-21	-7
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-1	1	-1	0	0	0	-15	******	-8	-3
70	PPSSCC OSD 24B	NONE	ACOL A	12	-3	21	14	0	1	-68	0	-68	-23
71	PPSSCC USAF 1.9%	NONE	ACOL A	25	-6	18	26	0	1	-76	0	-76	-26

SERVICE: USAF COMMUNITY: ENL

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	550	7311	123	105	0	8089	3524	0	3524	11613
3	HIGH 3	NONE	ACOL A	559	7239	124	106	0	8028	3302	0	3302	11330
4	DEC 10%	NONE	ACOL A	572	7172	123	109	0	7976	2840	0	2840	10816
5	DEC 20%	NONE	ACOL A	582	7121	123	111	0	7937	2425	0	2425	10362
6	DEC 2[illegible]	150--30--70	ACOL A	554	7266	124	106	0	8050	2681	290	2971	11021
7	DEC 30%	NONE	ACOL A	591	7074	123	113	0	7901	2033	0	2033	9934
8	DEC 30%	210--0--0	ACOL A	562	7181	125	107	0	7975	2285	374	2659	10634
9	DEC 30%	210--60--100	ACOL A	548	7334	124	105	0	8111	2394	436	2830	10941
10	DEC 40%	NONE	ACOL A	599	7032	123	114	0	7868	1670	0	1670	9538
11	DEC 50%	NONE	ACOL A	606	6994	123	116	0	7839	1331	0	1331	9170
12	1% PENALTY	NONE	ACOL A	568	7215	123	108	0	8014	2948	0	2948	10962
13	1% PEN	90--0--0	ACOL A	552	7272	124	105	0	8053	3101	158	3259	11312
14	2% PEN	NONE	ACOL A	573	7202	122	109	0	8006	2633	0	2633	10639
15	2% PEN	150--0--0	ACOL A	551	7289	124	105	0	8069	2854	263	3117	11186
16	3% PEN	NONE	ACOL A	575	7203	122	110	0	8010	2378	0	2378	10388
17	3% PEN	210--0--0	ACOL A	549	7312	124	105	0	8090	2631	367	2998	11088
18	4% PEN	NONE	ACOL A	574	7227	122	109	0	8032	2192	0	2192	10224
19	4% PEN	270--0--0	ACOL A	540	7368	124	103	0	8135	2475	474	2949	11084
20	5% PEN	NONE	ACOL A	570	7267	122	109	0	8068	2065	0	2065	10133
21	6% PEN	NONE	ACOL A	566	7314	121	108	0	8109	1980	0	1980	10089
22	6% PEN	390--0--0	ACOL A	516	7530	125	98	0	8269	2321	695	3016	11285
23	COLA 30/90%	NONE	ACOL A	562	7227	123	107	0	8019	3150	0	3150	11169
24	COLA 30/75%	NONE	ACOL A	567	7210	123	108	0	8008	2937	0	2937	10945
25	COLA 30/67%	NONE	ACOL A	569	7203	123	109	0	8004	2832	0	2832	10836
26	COLA 30/50%	NONE	ACOL A	573	7189	123	109	0	7994	2627	0	2627	10621
27	COLA 30/33%	NONE	ACOL A	576	7175	123	110	0	7984	2437	0	2437	10421
28	COLA 30/0%	NONE	ACOL A	579	7168	122	110	0	7979	2144	0	2144	10123
29	COLA 62/90%	NONE	ACOL A	565	7209	123	108	0	8005	2985	0	2985	10990
30	COLA 62/75%	NONE	ACOL A	573	7172	123	109	0	7977	2605	0	2605	10582
31	COLA 62/67%	NONE	ACOL A	576	7155	123	110	0	7964	2440	0	2440	10404
32	COLA 62/50%	NONE	ACOL A	582	7124	123	111	0	7940	2100	0	2100	10040
33	COLA 62/50%	160--40--50	ACOL A	552	7291	124	105	0	8072	2381	311	2692	10764
34	COLA 62/33%	NONE	ACOL A	587	7097	123	112	0	7919	1822	0	1822	9741
35	COLA 62/0%	NONE	ACOL A	595	7055	123	113	0	7886	1407	0	1407	9293
36	COLA LIFE/75%	NONE	ACOL A	575	7166	123	110	0	7974	2507	0	2507	10481
37	COLA LIFE/50%	NONE	ACOL A	589	7104	122	112	0	7927	1945	0	1945	9872
38	COLA LIFE/25%	NONE	ACOL A	599	7056	121	114	0	7890	1544	0	1544	9434
39	COLA LIFE/0%	NONE	ACOL A	608	7018	121	116	0	7863	1251	0	1251	9114
40	COLA 62/75% + 3% PEN	NONE	ACOL A	585	7141	122	111	0	7959	1885	0	1885	9844
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	547	7292	125	104	0	8068	2168	538	2706	10774
42	COLA 62/67% + 3% PEN	NONE	ACOL A	788	7286	118	111	0	8303	1716	0	1716	10019
43	HIGH 3	NONE	ACOL B	558	7250	124	106	0	8038	3310	0	3310	11348
44	DEC 30% (1.75 MULT)	NONE	ACOL B	600	7050	121	114	0	7885	1994	0	1994	9879
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	538	7375	125	103	0	8141	2450	448	2898	11039
46	3% PEN	NONE	ACOL B	566	7253	123	108	0	8050	2469	0	2469	10519
47	3% PEN	210--0--0	ACOL B	535	7374	125	102	0	8136	2735	376	3111	11247
48	COLA 62/50%	NONE	ACOL B	586	7116	122	112	0	7936	2090	0	2090	10026
49	COLA 62/50%	160-40-50	ACOL B	545	7325	125	104	0	8099	2423	317	2740	10839
50	COLA 62/75% + 3% PEN	NONE	ACOL B	578	7185	122	110	0	7995	1960	0	1960	9955

SERVICE: USAF COMMUNITY: ENL

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	534	7353	126	102	0	8115	2273	548	2821	10936
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	801	7197	118	113	0	8229	1922	0	1922	10151
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	739	7488	118	104	0	8449	2239	456	2695	11144
54	3% PEN	NONE	DMSM(ACOL B)	767	7394	118	107	0	8386	2261	0	2261	10647
55	3% PEN	210--0--0	DMSM(ACOL B)	736	7502	118	103	0	8459	2456	381	2837	11296
56	COLA 62/50%	NONE	DMSM(ACOL B)	787	7266	118	111	0	8282	1991	0	1991	10273
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	746	7448	118	105	0	8417	2227	327	2554	10971
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	779	7328	118	109	0	8334	1754	0	1754	10088
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	735	7486	118	103	0	8442	2088	556	2644	11086
60	SS OFFSET=1.25%/YR	NONE	ACOL A	572	7210	122	109	0	8013	2804	0	2804	10817
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	544	7431	121	104	0	8200	3411	0	3411	11611
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	527	7646	119	100	0	8392	3621	0	3621	12013
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	526	7787	119	100	0	8532	3595	0	3595	12127
64	VEST 22,AFTER SHIFT	NONE	ACOL A	614	6997	121	117	0	7849	1947	0	1947	9796
65	VEST 24,AFTER SHIFT	NONE	ACOL A	641	6877	122	122	0	7762	1415	0	1415	9177
66	VEST 30,AFTER SHIFT	NONE	ACOL A	658	6812	121	125	0	7716	1099	0	1099	8815
67	RMA	NONE	ACOL A	566	7236	123	108	0	8033	2818	0	2818	10851
68	USRBA W/O LOAN	NONE	ACOL A	568	7221	123	108	0	8020	2890	0	2890	10910
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	544	7325	125	104	0	8098	2994	292	3286	11384
70	PPSSCC OSD 24B	NONE	ACOL A	590	7132	122	113	0	7957	835	0	835	8792
71	PPSSCC USAF 1.9%	NONE	ACOL A	600	7097	122	114	0	7933	911	0	911	8844

SERVICE: USAF COMMUNITY: ENL

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	550	7311	123	105	0	8089	3524	0	3524	11613
3	HIGH 3	NONE	ACOL A	9	-72	1	1	0	-61	-222	0	-222	-283
4	DEC 10%	NONE	ACOL A	22	-139	0	4	0	-113	-684	0	-684	-797
5	DEC 20%	NONE	ACOL A	32	-190	0	6	0	-152	-1099	0	-1099	-1251
6	DEC 20%	150--30--70	ACOL A	4	-45	1	1	0	-39	-843	290	-553	-592
7	DEC 30%	NONE	ACOL A	41	-237	0	8	0	-188	-1491	0	-1491	-1679
8	DEC 30%	210--0--0	ACOL A	12	-130	2	2	0	-114	-1239	374	-865	-979
9	DEC 30%	210--60--100	ACOL A	-2	23	1	0	0	22	-1130	436	-694	-672
10	DEC 40%	NONE	ACOL A	49	-279	0	9	0	-221	-1854	0	-1854	-2075
11	DEC 50%	NONE	ACOL A	56	-317	0	11	0	-250	-2193	0	-2193	-2443
12	1% PENALTY	NONE	ACOL A	18	-96	0	3	0	-75	-576	0	-576	-651
13	1% PEN	90--0--0	ACOL A	2	-39	1	0	0	-36	-423	158	-265	-301
14	2% PEN	NONE	ACOL A	23	-109	-1	4	0	-83	-891	0	-891	-974
15	2% PEN	150--0--0	ACOL A	1	-22	1	0	0	-20	-670	263	-407	-427
16	3% PEN	NONE	ACOL A	25	-108	-1	5	0	-79	-1146	0	-1146	-1225
17	3% PEN	210--0--0	ACOL A	-1	1	1	0	0	1	-893	367	-526	-525
18	4% PEN	NONE	ACOL A	24	-84	-1	4	0	-57	-1332	0	-1332	-1389
19	4% PEN	270--0--0	ACOL A	-10	57	1	-2	0	46	-1049	474	-575	-529
20	5% PEN	NONE	ACOL A	20	-44	-1	4	0	-21	-1459	0	-1459	-1480
21	6% PEN	NONE	ACOL A	16	3	-2	3	0	20	-1544	0	-1544	-1524
22	6% PEN	390--0--0	ACOL A	-34	219	2	-7	0	180	-1203	695	-508	-328
23	COLA 30/90%	NONE	ACOL A	12	-84	0	2	0	-70	-374	0	-374	-444
24	COLA 30/75%	NONE	ACOL A	17	-101	0	3	0	-81	-587	0	-587	-668
25	COLA 30/67%	NONE	ACOL A	19	-108	0	4	0	-85	-692	0	-692	-777
26	COLA 30/50%	NONE	ACOL A	23	-122	0	4	0	-95	-897	0	-897	-992
27	COLA 30/33%	NONE	ACOL A	26	-136	0	5	0	-105	-1087	0	-1087	-1192
28	COLA 30/0%	NONE	ACOL A	29	-143	-1	5	0	-110	-1380	0	-1380	-1490
29	COLA 62/90%	NONE	ACOL A	15	-102	0	3	0	-84	-539	0	-539	-623
30	COLA 62/75%	NONE	ACOL A	23	-139	0	4	0	-112	-919	0	-919	-1031
31	COLA 62/67%	NONE	ACOL A	26	-156	0	5	0	-125	-1084	0	-1084	-1209
32	COLA 62/50%	NONE	ACOL A	32	-187	0	6	0	-149	-1424	0	-1424	-1573
33	COLA 62/50%	160--40--50	ACOL A	2	-20	1	0	0	-17	-1143	311	-832	-849
34	COLA 62/33%	NONE	ACOL A	37	-214	0	7	0	-170	-1702	0	-1702	-1872
35	COLA 62/0%	NONE	ACOL A	45	-256	0	8	0	-203	-2117	0	-2117	-2320
36	COLA LIFE/75%	NONE	ACOL A	25	-145	0	5	0	-115	-1017	0	-1017	-1132
37	COLA LIFE/50%	NONE	ACOL A	39	-207	-1	7	0	-162	-1579	0	-1579	-1741
38	COLA LIFE/25%	NONE	ACOL A	49	-255	-2	9	0	-199	-1980	0	-1980	-2179
39	COLA LIFE/0%	NONE	ACOL A	58	-293	-2	11	0	-226	-2273	0	-2273	-2499
40	COLA 62/75% + 3% PEN	NONE	ACOL A	35	-170	-1	6	0	-130	-1639	0	-1639	-1769
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	-3	-19	2	-1	0	-21	-1356	538	-818	-839
42	COLA 62/67% + 3% PEN	NONE	ACOL A	238	-25	-5	6	0	214	-1808	0	-1808	-1594
43	HIGH 3	NONE	ACOL B	8	-61	1	1	0	-51	-214	0	-214	-265
44	DEC 30% (1.75 MULT)	NONE	ACOL B	50	-261	-2	9	0	-204	-1530	0	-1530	-1734
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-12	64	2	-2	0	52	-1074	448	-626	-574
46	3% PEN	NONE	ACOL B	16	-58	0	3	0	-39	-1055	0	-1055	-1094
47	3% PEN	210--0--0	ACOL B	-15	63	2	-3	0	47	-789	376	-413	-366
48	COLA 62/50%	NONE	ACOL B	36	-195	-1	7	0	-153	-1434	0	-1434	-1587
49	COLA 62/50%	160-40-50	ACOL B	-5	14	2	-1	0	10	-1101	317	-784	-774
50	COLA 62/75% + 3% PEN	NONE	ACOL B	28	-126	-1	5	0	-94	-1564	0	-1564	-1658

SERVICE: USAF COMMUNITY: ENL

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-16	42	3	-3	0	26	-1251	548	-703	-677
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	251	-114	-5	8	0	140	-1602	0	-1602	-1462
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	189	177	-5	-1	0	360	-1285	456	-829	-469
54	3% PEN	NONE	DMSM(ACOL B)	217	83	-5	2	0	297	-1263	0	-1263	-966
55	3% PEN	210--0--0	DMSM(ACOL B)	186	191	-5	-2	0	370	-1068	381	-687	-317
56	COLA 62/50%	NONE	DMSM(ACOL B)	237	-45	-5	6	0	193	-1533	0	-1533	-1340
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	196	137	-5	0	0	328	-1297	327	-970	-642
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	229	17	-5	4	0	245	-1770	0	-1770	-1525
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	185	175	-5	-2	0	353	-1436	556	-880	-527
60	SS OFFSET=1.25%/YR	NONE	ACOL A	22	-101	-1	4	0	-76	-720	0	-720	-796
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-6	120	-2	-1	0	111	-113	0	-113	-2
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-23	335	-4	-5	0	303	97	0	97	400
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	-24	476	-4	-5	0	443	71	0	71	514
64	VEST 22,AFTER SHIFT	NONE	ACOL A	64	-314	-2	12	0	-240	-1577	0	-1577	-1817
65	VEST 24,AFTER SHIFT	NONE	ACOL A	91	-434	-1	17	0	-327	-2109	0	-2109	-2436
66	VEST 30,AFTER SHIFT	NONE	ACOL A	108	-499	-2	20	0	-373	-2425	0	-2425	-2798
67	RMA	NONE	ACOL A	16	-75	0	3	0	-56	-706	0	-706	-762
68	USRBA W/O LOAN	NONE	ACOL A	18	-90	0	3	0	-69	-634	0	-634	-703
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-6	14	2	-1	0	9	-530	292	-238	-229
70	PPSSCC OSD 248	NONE	ACOL A	40	-179	-1	8	0	-132	-2689	0	-2689	-2821
71	PPSSCC USAF 1.9%	NONE	ACOL A	50	-214	-1	9	0	-156	-2613	0	-2613	-2769

SERVICE: USAF COMMUNITY: ENL

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	550	7311	123	105	0	8089	3524	0	3524	11613
3	HIGH 3	NONE	ACOL A	2	-1	1	1	0	-1	-6	0	-6	-2
4	DEC 10%	NONE	ACOL A	4	-2	0	4	0	-1	-19	0	-19	-7
5	DEC 20%	NONE	ACOL A	6	-3	0	6	0	-2	-31	0	-31	-11
6	DEC 20%	150--30--70	ACOL A	1	-1	1	1	0	0	-24	******	-16	-5
7	DEC 30%	NONE	ACOL A	7	-3	0	8	0	-2	-42	0	-42	-14
8	DEC 30%	210--0--0	ACOL A	2	-2	2	2	0	-1	-35	******	-25	-8
9	DEC 30%	210--60--100	ACOL A	0	0	1	0	0	0	-32	******	-20	-6
10	DEC 40%	NONE	ACOL A	9	-4	0	9	0	-3	-53	0	-53	-18
11	DEC 50%	NONE	ACOL A	10	-4	0	10	0	-3	-62	0	-62	-21
12	1% PENALTY	NONE	ACOL A	3	-1	0	3	0	-1	-16	0	-16	-6
13	1% PEN	90--0--0	ACOL A	0	-1	1	0	0	0	-12	******	-8	-3
14	2% PEN	NONE	ACOL A	4	-1	-1	4	0	1	-25	0	-25	-8
15	2% PEN	150--0--0	ACOL A	0	0	1	0	0	0	-19	******	-12	-4
16	3% PEN	NONE	ACOL A	5	-1	-1	5	0	-1	-33	0	-33	-11
17	3% PEN	210--0--0	ACOL A	0	0	1	0	0	0	-25	******	-15	-5
18	4% PEN	NONE	ACOL A	4	-1	-1	4	0	-1	-38	0	-38	-12
19	4% PEN	270--0--0	ACOL A	-2	1	1	-2	0	1	-30	******	-16	-5
20	5% PEN	NONE	ACOL A	4	-1	-1	4	0	0	-41	0	-41	-13
21	6% PEN	NONE	ACOL A	3	0	-2	3	0	0	-44	0	-44	-13
22	6% PEN	390--0--0	ACOL A	-6	3	2	-7	0	2	-34	******	-14	-3
23	COLA 30/90%	NONE	ACOL A	2	-1	0	2	0	-1	-11	0	-11	-4
24	COLA 30/75%	NONE	ACOL A	3	-1	0	3	0	-1	-17	0	-17	-6
25	COLA 30/67%	NONE	ACOL A	3	-1	0	4	0	-1	-20	0	-20	-7
26	COLA 30/50%	NONE	ACOL A	4	-2	0	4	0	-1	-25	0	-25	-9
27	COLA 30/33%	NONE	ACOL A	5	-2	0	5	0	-1	-31	0	-31	-10
28	COLA 30/0%	NONE	ACOL A	5	-2	-1	5	0	-1	-39	0	-39	-13
29	COLA 62/90%	NONE	ACOL A	3	-1	0	3	0	-1	-15	0	-15	-5
30	COLA 62/75%	NONE	ACOL A	4	-2	0	4	0	-1	-26	0	-26	-9
31	COLA 62/67%	NONE	ACOL A	5	-2	0	5	0	-2	-31	0	-31	-10
32	COLA 62/50%	NONE	ACOL A	6	-3	0	6	0	-2	-40	0	-40	-14
33	COLA 62/50%	160--40--50	ACOL A	0	0	1	0	0	0	-32	******	-24	-7
34	COLA 62/33%	NONE	ACOL A	7	-3	0	7	0	-2	-48	0	-48	-16
35	COLA 62/0%	NONE	ACOL A	8	-4	0	8	0	-3	-60	0	-60	-20
36	COLA LIFE/75%	NONE	ACOL A	3	-2	0	5	0	-1	-29	0	-29	-10
37	COLA LIFE/50%	NONE	ACOL A	7	-3	-1	7	0	-2	-45	0	-45	-15
38	COLA LIFE/25%	NONE	ACOL A	9	-3	-2	9	0	-2	-56	0	-56	-19
39	COLA LIFE/0%	NONE	ACOL A	11	-4	-2	10	0	-3	-65	0	-65	-22
40	COLA 62/75% + 3% PEN	NONE	ACOL A	6	-2	-1	6	0	-2	-47	0	-47	-15
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	-1	0	2	-1	0	0	-38	******	-23	-7
42	COLA 62/67% + 3% PEN	NONE	ACOL A	43	0	-4	6	0	3	-51	0	-51	-14
43	HIGH 3	NONE	ACOL B	1	-1	1	1	0	-1	-6	0	-6	-2
44	DEC 30% (1.75 MULT)	NONE	ACOL B	9	-4	-2	9	0	-3	-43	0	-43	-15
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-2	1	2	-2	0	1	-30	******	-18	-5
46	3% PEN	NONE	ACOL B	3	-1	0	3	0	0	-30	0	-30	-9
47	3% PEN	210--0--0	ACOL B	-3	1	2	-3	0	1	-22	******	-12	-3
48	COLA 62/50%	NONE	ACOL B	7	-3	-1	7	0	-2	-41	0	-41	-14
49	COLA 62/50%	160-40-50	ACOL B	-1	0	2	-1	0	0	-31	******	-22	-7
50	COLA 62/75% + 3% PEN	NONE	ACOL B	5	-2	-1	5	0	-1	-44	0	-44	-14

ATCH 4
L-B-140

SERVICE: USAF COMMUNITY: ENL

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-3	1	2	-3	0	0	-35	******	-20	-6
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	46	-2	-4	8	0	2	-45	0	-45	-13
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	34	2	-4	-1	0	4	-36	******	-24	-4
54	3% PEN	NONE	DMSM(ACOL B)	39	1	-4	2	0	4	-36	0	-36	-8
55	3% PEN	210--0--0	DMSM(ACOL B)	34	3	-4	-2	0	5	-30	******	-19	-3
56	COLA 62/50%	NONE	DMSM(ACOL B)	43	-1	-4	6	0	2	-44	0	-44	-12
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	36	2	-4	0	0	4	-37	******	-28	-6
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	42	0	-4	4	0	3	-50	0	-50	-13
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	34	2	-4	-2	0	4	-41	******	-25	-5
60	SS OFFSET=1.25%/YR	NONE	ACOL A	4	-1	-1	4	0	-1	-20	0	-20	-7
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-1	2	-2	-1	0	1	-3	0	-3	0
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-4	5	-3	-5	0	4	3	0	3	3
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	-4	7	-3	-5	0	5	2	0	2	4
64	VEST 22,AFTER SHIFT	NONE	ACOL A	12	-4	-2	11	0	-3	-45	0	-45	-16
65	VEST 24,AFTER SHIFT	NONE	ACOL A	17	-6	-1	16	0	-4	-60	0	-60	-21
66	VEST 30,AFTER SHIFT	NONE	ACOL A	20	-7	-2	19	0	-5	-69	0	-69	-24
67	RMA	NONE	ACOL A	3	-1	0	3	0	-1	-20	0	-20	-7
68	USRBA W/O LOAN	NONE	ACOL A	3	-1	0	3	0	-1	-18	0	-18	-6
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-1	0	2	-1	0	0	-15	******	-7	-2
70	PPSSCC OSD 24B	NONE	ACOL A	7	-2	-1	8	0	-2	-76	0	-76	-24
71	PPSSCC USAF 1.9%	NONE	ACOL A	9	-3	-1	9	0	-2	-74	0	-74	-24

SERVICE: USAF COMMUNITY: BOTH

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	1374	10388	273	148	0	12183	5706	0	5706	17889
3	HIGH 3	NONE	ACOL A	1397	10303	312	150	0	12162	5377	0	5377	17539
4	DEC 10%	NONE	ACOL A	1448	10195	310	155	0	12108	4654	0	4654	16762
5	DEC 20%	NONE	ACOL A	1489	10104	308	159	0	12060	3984	0	3984	16044
6	DEC 20%	150--30--70	ACOL A	1381	10333	313	149	0	12176	4358	449	4807	16983
7	DEC 30%	NONE	ACOL A	1536	10016	306	163	0	12021	3344	0	3344	15365
8	DEC 30%	210--0--0	ACOL A	1414	10201	313	152	0	12080	3742	557	4299	16379
9	DEC 30%	210--60--100	ACOL A	1362	10416	313	148	0	12239	3872	673	4545	16784
10	DEC 40%	NONE	ACOL A	1583	9933	304	166	0	11986	2744	0	2744	14730
11	DEC 50%	NONE	ACOL A	1629	9855	301	170	0	11955	2184	0	2184	14139
12	1% PENALTY	NONE	ACOL A	1422	10271	310	153	0	12156	4871	0	4871	17027
13	1% PEN	90--0--0	ACOL A	1371	10360	313	148	0	12192	5096	235	5331	17523
14	2% PEN	NONE	ACOL A	1440	10251	308	155	0	12154	4425	0	4425	16579
15	2% PEN	150--0--0	ACOL A	1361	10394	313	148	0	12216	4750	390	5140	17356
16	3% PEN	NONE	ACOL A	1442	10250	307	156	0	12155	4062	0	4062	16217
17	3% PEN	210--0--0	ACOL A	1344	10435	313	147	0	12239	4444	545	4989	17228
18	4% PEN	NONE	ACOL A	1449	10275	306	155	0	12185	3671	0	3671	15856
19	4% PEN	270--0--0	ACOL A	773	10513	314	138	0	11738	4217	704	4921	16659
20	5% PEN	NONE	ACOL A	1445	10319	306	155	0	12225	3598	0	3598	15823
21	6% PEN	NONE	ACOL A	1440	10371	305	154	0	12270	3459	0	3459	15729
22	6% PEN	390--0--0	ACOL A	1260	10722	316	137	0	12435	3944	1031	4975	17410
23	COLA 30/90%	NONE	ACOL A	1406	10287	311	151	0	12155	5140	0	5140	17295
24	COLA 30/75%	NONE	ACOL A	1421	10263	310	153	0	12147	4806	0	4806	16953
25	COLA 30/67%	NONE	ACOL A	1428	10252	310	154	0	12144	4641	0	4641	16785
26	COLA 30/50%	NONE	ACOL A	1441	10231	309	155	0	12136	4319	0	4319	16455
27	COLA 30/33%	NONE	ACOL A	1450	10211	308	156	0	12125	4023	0	4023	16148
28	COLA 30/0%	NONE	ACOL A	1460	10195	307	156	0	12118	3553	0	3553	15671
29	COLA 62/90%	NONE	ACOL A	1416	10259	310	153	0	12138	4846	0	4846	16984
30	COLA 62/75%	NONE	ACOL A	1444	10200	309	155	0	12108	4273	0	4273	16381
31	COLA 62/67%	NONE	ACOL A	1457	10172	309	156	0	12094	4057	0	4057	16151
32	COLA 62/50%	NONE	ACOL A	1483	10119	308	158	0	12068	3522	0	3522	15590
33	COLA 62/50%	160--40--50	ACOL A	1366	10380	313	148	0	12207	3939	480	4419	16626
34	COLA 62/33%	NONE	ACOL A	1507	10070	307	160	0	12044	3057	0	3057	15101
35	COLA 62/0%	NONE	ACOL A	1548	9992	305	163	0	12008	2395	0	2395	14403
36	COLA LIFE/75%	NONE	ACOL A	1452	10184	271	156	0	12063	4124	0	4124	16187
37	COLA LIFE/50%	NONE	ACOL A	1501	10083	269	160	0	12013	3224	0	3224	15237
38	COLA LIFE/25%	NONE	ACOL A	1540	10002	268	164	0	11974	2573	0	2573	14547
39	COLA LIFE/0%	NONE	ACOL A	1575	9937	267	167	0	11946	2093	0	2093	14039
40	COLA 62/75% + 3% PEN	NONE	ACOL A	1484	10153	306	158	0	12101	3287	0	3287	15388
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	1369	10379	313	147	0	12208	3633	704	4337	16545
42	COLA 62/67% + 3% PEN	NONE	ACOL A	2128	10498	325	157	0	13108	3091	0	3091	16199
43	HIGH 3	NONE	ACOL B	1396	10313	273	150	0	12132	5387	0	5387	17519
44	DEC 30% (1.75 MULT)	NONE	ACOL B	1544	9992	268	164	0	11968	3306	0	3306	15274
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	1351	10456	275	146	0	12228	3931	686	4617	16845
46	3% PEN	NONE	ACOL B	1436	10301	270	154	0	12161	4162	0	4162	16323
47	3% PEN	210--0--0	ACOL B	1329	10496	274	144	0	12243	4555	555	5110	17353
48	COLA 62/50%	NONE	ACOL B	1487	10110	270	159	0	12026	3514	0	3514	15540
49	COLA 62/50%	160-40-50	ACOL B	1358	10414	275	147	0	12194	3983	487	4470	16664
50	COLA 62/75% + 3% PEN	NONE	ACOL B	1474	10198	269	157	0	12098	3370	0	3370	15468

SERVICE: USAF COMMUNITY: BOTH

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	1354	10440	275	145	0	12214	3791	714	4505	16719
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	2178	10326	325	160	0	12989	3232	0	3232	16221
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	1984	10745	325	146	0	13200	3637	694	4331	17531
54	3% PEN	NONE	DMSM(ACOL B)	2069	10609	325	154	0	13157	3859	0	3859	17016
55	3% PEN	210--0--0	DMSM(ACOL B)	1962	10793	325	147	0	13227	4154	570	4724	17951
56	COLA 62/50%	NONE	DMSM(ACOL B)	2120	10436	325	156	0	13037	3359	0	3359	16396
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	1991	10703	325	147	0	13166	3673	499	4172	17338
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	2108	10501	325	154	0	13088	2971	0	2971	16059
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	1987	10731	325	145	0	13188	3414	732	4146	17334
60	SS OFFSET=1.25%/YR	NONE	ACOL A	1433	10266	308	154	0	12161	4271	0	4271	16432
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	1343	10593	310	146	0	12392	5522	0	5522	17914
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	1320	10836	307	142	0	12605	5714	0	5714	18319
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	1361	10947	301	144	0	12753	5445	0	5445	18198
64	VEST 22,AFTER SHIFT	NONE	ACOL A	1537	9972	304	166	0	11979	3455	0	3455	15434
65	VEST 24,AFTER SHIFT	NONE	ACOL A	1635	9758	301	174	0	11868	2758	0	2758	14626
66	VEST 30,AFTER SHIFT	NONE	ACOL A	1792	9518	293	185	0	11788	2071	0	2071	13859
67	RMA	NONE	ACOL A	1437	10275	270	154	0	12136	4573	0	4573	16709
68	USRBA W/O LOAN	NONE	ACOL A	1450	10248	270	154	0	12122	4614	0	4614	16736
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	1360	10418	274	147	0	12199	4857	430	5287	17486
70	FPSSCC OSD 24B	NONE	ACOL A	1514	10121	304	162	0	12101	1524	0	1524	13625
71	FPSSCC USAF 1.9%	NONE	ACOL A	1627	9977	299	168	0	12071	1436	0	1436	13507

SERVICE: USAF COMMUNITY: BOTH

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/S	1374	10388	273	148	0	12183	5706	0	5706	17889
3	HIGH 3	NONE	ACOL A	23	-85	39	2	0	-21	-329	0	-329	-350
4	DEC 10%	NONE	ACOL A	74	-193	37	7	0	-75	-1052	0	-1052	-1127
5	DEC 20%	NONE	ACOL A	115	-284	35	11	0	-123	-1722	0	-1722	-1845
6	DEC 20%	150--30--70	ACOL A	7	-55	40	1	0	-7	-1348	449	-899	-906
7	DEC 30%	NONE	ACOL A	162	-372	33	15	0	-162	-2362	0	-2362	-2524
8	DEC 30%	210--0--0	ACOL A	40	-187	40	4	0	-103	-1964	557	-1407	-1510
9	DEC 30%	210--60--100	ACOL A	-12	28	40	0	0	56	-1834	673	-1161	-1105
10	DEC 40%	NONE	ACOL A	209	-455	31	18	0	-197	-2962	0	-2962	-3159
11	DEC 50%	NONE	ACOL A	255	-533	28	22	0	-228	-3522	0	-3522	-3750
12	1% PENALTY	NONE	ACOL A	48	-117	37	5	0	-27	-835	0	-835	-862
13	1% PEN	90--0--0	ACOL A	-3	-28	40	0	0	9	-610	235	-375	-366
14	2% PEN	NONE	ACOL A	66	-137	35	7	0	-29	-1281	0	-1281	-1310
15	2% PEN	150--0--0	ACOL A	-3	6	40	0	0	33	-956	390	-566	-533
16	3% PEN	NONE	ACOL A	68	-138	34	8	0	-28	-1644	0	-1644	-1672
17	3% PEN	210--0--0	ACOL A	-30	47	40	-1	0	56	-1262	545	-717	-661
18	4% PEN	NONE	ACOL A	75	-113	33	7	0	2	-2035	0	-2035	-2033
19	4% PEN	270--0--0	ACOL A	-601	125	41	-10	0	-445	-1489	704	-785	-1230
20	5% PEN	NONE	ACOL A	71	-69	33	7	0	42	-2108	0	-2108	-2066
21	6% PEN	NONE	ACOL A	66	-17	32	6	0	87	-2247	0	-2247	-2160
22	6% PEN	390--0--0	ACOL A	-114	334	43	-11	0	252	-1762	1031	-731	-479
23	COLA 30/90%	NONE	ACOL A	32	-101	38	3	0	-28	-566	0	-566	-594
24	COLA 30/75%	NONE	ACOL A	47	-125	37	5	0	-36	-900	0	-900	-936
25	COLA 30/67%	NONE	ACOL A	54	-136	37	6	0	-39	-1065	0	-1065	-1104
26	COLA 30/50%	NONE	ACOL A	67	-157	36	7	0	-47	-1387	0	-1387	-1434
27	COLA 30/33%	NONE	ACOL A	76	-177	35	8	0	-58	-1683	0	-1683	-1741
28	COLA 30/0%	NONE	ACOL A	86	-193	34	8	0	-65	-2153	0	-2153	-2218
29	COLA 62/90%	NONE	ACOL A	42	-129	37	5	0	-45	-860	0	-860	-905
30	COLA 62/75%	NONE	ACOL A	70	-188	36	7	0	-75	-1433	0	-1433	-1508
31	COLA 62/67%	NONE	ACOL A	83	-216	36	8	0	-89	-1649	0	-1649	-1738
32	COLA 62/50%	NONE	ACOL A	109	-269	35	10	0	-115	-2184	0	-2184	-2299
33	COLA 62/50%	160--40--50	ACOL A	-8	-8	40	0	0	24	-1767	480	-1287	-1263
34	COLA 62/33%	NONE	ACOL A	133	-318	34	12	0	-139	-2649	0	-2649	-2788
35	COLA 62/0%	NONE	ACOL A	174	-396	32	15	0	-175	-3311	0	-3311	-3486
36	COLA LIFE/75%	NONE	ACOL A	78	-204	-2	8	0	-120	-1582	0	-1582	-1702
37	COLA LIFE/50%	NONE	ACOL A	127	-305	-4	12	0	-170	-2482	0	-2482	-2652
38	COLA LIFE/25%	NONE	ACOL A	166	-386	-5	16	0	-209	-3133	0	-3133	-3342
39	COLA LIFE/0%	NONE	ACOL A	201	-451	-6	19	0	-237	-3613	0	-3613	-3850
40	COLA 62/75% + 3% PEN	NONE	ACOL A	110	-235	33	10	0	-82	-2419	0	-2419	-2501
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	-5	-9	40	-1	0	25	-2073	704	-1369	-1344
42	COLA 62/67% + 3% PEN	NONE	ACOL A	754	110	52	9	0	925	-2615	0	-2615	-1690
43	HIGH 3	NONE	ACOL B	22	-75	0	2	0	-51	-319	0	-319	-370
44	DEC 30% (1.75 MULT)	NONE	ACOL B	170	-396	-5	16	0	-215	-2400	0	-2400	-2615
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-23	68	2	-2	0	45	-1775	686	-1089	-1044
46	3% PEN	NONE	ACOL B	62	-87	-3	6	0	-22	-1544	0	-1544	-1566
47	3% PEN	210--0--0	ACOL B	-45	108	1	-4	0	60	-1151	555	-596	-536
48	COLA 62/50%	NONE	ACOL B	113	-278	-3	11	0	-157	-2192	0	-2192	-2349
49	COLA 62/50%	160-40-50	ACOL B	-16	26	2	-1	0	11	-1723	487	-1236	-1225
50	COLA 62/75% + 3% PEN	NONE	ACOL B	100	-190	-4	9	0	-85	-2336	0	-2336	-2421

SERVICE: USAF COMMUNITY: BOTH

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-20	52	2	-3	0	31	-1915	714	-1201	-1170
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	804	-62	52	12	0	806	-2474	0	-2474	-1668
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	610	357	52	-2	0	1017	-2069	694	-1375	-358
54	3% PEN	NONE	DMSM(ACOL B)	695	221	52	6	0	974	-1847	0	-1847	-873
55	3% PEN	210--0--0	DMSM(ACOL B)	588	405	52	-1	0	1044	-1552	570	-982	62
56	COLA 62/50%	NONE	DMSM(ACOL B)	746	48	52	8	0	854	-2347	0	-2347	-1493
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	617	315	52	-1	0	983	-2033	499	-1534	-551
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	734	113	52	6	0	905	-2735	0	-2735	-1830
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	613	343	52	-3	0	1005	-2292	732	-1560	-555
60	SS OFFSET=1.25%/YR	NONE	ACOL A	59	-122	35	6	0	-22	-1435	0	-1435	-1457
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-31	205	37	-2	0	209	-184	0	-184	25
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-54	448	34	-6	0	422	8	0	8	430
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	-13	559	28	-4	0	570	-261	0	-261	309
64	VEST 22,AFTER SHIFT	NONE	ACOL A	163	-416	31	18	0	-204	-2251	0	-2251	-2455
65	VEST 24,AFTER SHIFT	NONE	ACOL A	261	-630	28	26	0	-315	-2948	0	-2948	-3263
66	VEST 30,AFTER SHIFT	NONE	ACOL A	418	-870	20	37	0	-395	-3635	0	-3635	-4030
67	RMA	NONE	ACOL A	63	-113	-3	6	0	-47	-1133	0	-1133	-1180
68	USRBA W/O LOAN	NONE	ACOL A	76	-140	-3	6	0	-61	-1092	0	-1092	-1153
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-14	30	1	-1	0	16	-849	430	-419	-403
70	PPSSCC OSD 24B	NONE	ACOL A	140	-267	31	14	0	-82	-4182	0	-4182	-4264
71	PPSSCC USAF 1.9%	NONE	ACOL A	253	-411	26	20	0	-112	-4270	0	-4270	-4382

SERVICE: USAF COMMUNITY: BOTH

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	1374	10383	273	748	0	12183	5706	0	5706	17889
3	HIGH 3	NONE	ACOL A	2	-1	14	1	0	0	-6	0	-6	-2
4	DEC 10%	NONE	ACOL A	5	-2	14	5	0	-1	-18	0	-18	-6
5	DEC 20%	NONE	ACOL A	8	-3	13	7	0	-1	-30	0	-30	-10
6	DEC 20%	150--30--70	ACOL A	1	-1	15	1	0	0	-24	******	-16	-5
7	DEC 30%	NONE	ACOL A	12	-4	12	10	0	-1	-41	0	-41	-14
8	DEC 30%	210--0--0	ACOL A	3	-2	15	3	0	-1	-34	******	-25	-8
9	DEC 30%	210--60--100	ACOL A	-1	0	15	0	0	0	-32	******	-20	-6
10	DEC 40%	NONE	ACOL A	15	-4	11	12	0	-2	-52	0	-52	-18
11	DEC 50%	NONE	ACOL A	19	-5	10	15	0	-2	-62	0	-62	-21
12	1% PENALTY	NONE	ACOL A	3	-1	14	3	0	0	-15	0	-15	-5
13	1% PEN	90--0--0	ACOL A	0	0	15	0	0	0	-11	******	-7	-2
14	2% PEN	NONE	ACOL A	5	-1	13	5	0	0	-22	0	-22	-7
15	2% PEN	150--0--0	ACOL A	-1	0	15	0	0	0	-17	******	-10	-3
16	3% PEN	NONE	ACOL A	5	-1	12	5	0	0	-29	0	-29	-9
17	3% PEN	210--0--0	ACOL A	-2	0	15	-1	0	0	-22	******	-13	-4
18	4% PEN	NONE	ACOL A	5	-1	12	5	0	0	-36	0	-36	-11
19	4% PEN	270--0--0	ACOL A	-44	1	15	-7	0	-4	-26	******	-14	-7
20	5% PEN	NONE	ACOL A	5	-1	12	5	0	0	-37	0	-37	-12
21	6% PEN	NONE	ACOL A	5	0	12	4	0	1	-39	0	-39	-12
22	6% PEN	390--0--0	ACOL A	-8	3	15	-7	0	2	-31	******	-13	-3
23	COLA 30/90%	NONE	ACOL A	2	-1	14	2	0	0	-10	0	-10	-3
24	COLA 30/75%	NONE	ACOL A	3	-1	14	3	0	0	-16	0	-16	-5
25	COLA 30/67%	NONE	ACOL A	4	-1	14	4	0	0	-19	0	-19	-6
26	COLA 30/50%	NONE	ACOL A	5	-2	13	5	0	0	-24	0	-24	-8
27	COLA 30/33%	NONE	ACOL A	6	-2	13	5	0	0	-29	0	-29	-10
28	COLA 30/0%	NONE	ACOL A	6	-2	12	5	0	-1	-38	0	-38	-12
29	COLA 62/90%	NONE	ACOL A	3	-1	14	3	0	0	-15	0	-15	-5
30	COLA 62/75%	NONE	ACOL A	5	-2	13	5	0	-1	-25	0	-25	-8
31	COLA 62/67%	NONE	ACOL A	6	-2	13	5	0	-1	-29	0	-29	-10
32	COLA 62/50%	NONE	ACOL A	8	-3	13	7	0	-1	-38	0	-38	-13
33	COLA 62/50%	160--40--50	ACOL A	-1	0	15	0	0	0	-31	******	-23	-7
34	COLA 62/33%	NONE	ACOL A	10	-3	12	8	0	-1	-46	0	-46	-16
35	COLA 62/0%	NONE	ACOL A	13	-4	12	10	0	-1	-58	0	-58	-19
36	COLA LIFE/75%	NONE	ACOL A	6	-2	-1	5	0	-1	-28	0	-28	-10
37	COLA LIFE/50%	NONE	ACOL A	9	-3	-1	8	0	-1	-43	0	-43	-15
38	COLA LIFE/25%	NONE	ACOL A	12	-4	-2	11	0	-2	-55	0	-55	-19
39	COLA LIFE/0%	NONE	ACOL A	15	-4	-2	13	0	-2	-63	0	-63	-22
40	COLA 62/75% + 3% PEN	NONE	ACOL A	8	-2	12	7	0	-1	-42	0	-42	-14
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	0	0	15	-1	0	0	-36	******	-24	-8
42	COLA 62/67% + 3% PEN	NONE	ACOL A	55	1	19	6	0	8	-46	0	-46	-9
43	HIGH 3	NONE	ACOL B	2	-1	0	1	0	0	-6	0	-6	-2
44	DEC 30% (1.75 MULT)	NONE	ACOL B	12	-4	-2	11	0	-2	-42	0	-42	-15
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-2	1	1	-1	0	0	-31	******	-19	-6
46	3% PEN	NONE	ACOL B	5	-1	-1	4	0	0	-27	0	-27	-9
47	3% PEN	210--0--0	ACOL B	-3	1	0	-3	0	0	-20	******	-10	-3
48	COLA 62/50%	NONE	ACOL B	8	-3	-1	7	0	-1	-38	0	-38	-13
49	COLA 62/50%	160-40-50	ACOL B	-1	0	1	-1	0	0	-30	******	-22	-7
50	COLA 62/75% + 3% PEN	NONE	ACOL B	7	-2	-1	6	0	-1	-41	0	-41	-14

SERVICE: USAF COMMUNITY: BOTH

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETHT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-1	1	1	-2	0	0	-34	******	-21	-7
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	59	-1	19	8	0	7	-43	0	-43	-9
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	44	3	19	-1	0	8	-36	******	-24	-2
54	3% PEN	NONE	DMSM(ACOL B)	51	2	19	4	0	8	-32	0	-32	-5
55	3% PEN	210--0--0	DMSM(ACOL B)	43	4	19	-1	0	9	-27	******	-17	0
56	COLA 62/50%	NONE	DMSM(ACOL B)	54	0	19	5	0	7	-41	0	-41	-8
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	45	3	19	-1	0	8	-36	******	-27	-3
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	53	1	19	4	0	7	-48	0	-48	-10
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	45	3	19	-2	0	8	-40	******	-27	-3
60	SS OFFSET=1.25%/YR	NONE	ACOL A	4	-1	13	4	0	0	-25	0	-25	-8
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-2	2	14	-1	0	2	-3	0	-3	0
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-4	4	12	-4	0	3	0	0	0	2
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	-1	5	10	-3	0	5	-5	0	-5	2
64	VEST 22,AFTER SHIFT	NONE	ACOL A	12	-4	11	12	0	-2	-39	0	-39	-14
65	VEST 24,AFTER SHIFT	NONE	ACOL A	19	-6	10	18	0	-3	-52	0	-52	-18
66	VEST 30,AFTER SHIFT	NONE	ACOL A	30	-8	7	25	0	-3	-64	0	-64	-23
67	RMA	NONE	ACOL A	5	-1	-1	4	0	0	-20	0	-20	-7
68	USRBA W/O LOAN	NONE	ACOL A	6	-1	-1	4	0	-1	-19	0	-19	-6
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-1	0	0	-1	0	0	-15	******	-7	-2
70	PPSSCC OSD 24B	NONE	ACOL A	10	-3	11	9	0	-1	-73	0	-73	-24
71	PPSSCC USAF 1.9%	NONE	ACOL A	18	-4	10	14	0	-1	-75	0	-75	-24

SERVICE: DOD COMMUNITY: OFF

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	3146	8041	388	124	0	11699	5082	0	5082	16781
3	HIGH 3	NONE	ACOL A	3174	8025	467	126	0	11792	4863	0	4863	16655
4	DEC 10%	NONE	ACOL A	3303	7915	463	131	0	11812	4230	0	4230	16042
5	DEC 20%	NONE	ACOL A	3431	7806	457	136	0	11830	3613	0	3613	15443
6	DEC 20%	150--30--70	ACOL A	3132	8043	469	124	0	11768	3934	383	4317	16085
7	DEC 30%	NONE	ACOL A	3570	7691	450	142	0	11853	3016	0	3016	14869
8	DEC 30%	210--0--0	ACOL A	3220	7915	469	128	0	11732	3414	430	3844	15576
9	DEC 30%	210--60--100	ACOL A	3075	8096	470	121	0	11762	3471	575	4046	15808
10	DEC 40%	NONE	ACOL A	3715	7576	444	147	0	11882	2417	0	2417	14299
11	DEC 50%	NONE	ACOL A	3862	7464	436	152	0	11914	1920	0	1920	13834
12	1% PENALTY	NONE	ACOL A	3243	7999	463	126	0	11831	4502	0	4502	16333
13	1% PEN	90--0--0	ACOL A	3106	8091	469	121	0	11787	4693	181	4874	16661
14	2% PEN	NONE	ACOL A	3292	7976	457	131	0	11856	4188	0	4188	16044
15	2% PEN	150--0--0	ACOL A	3073	8135	469	121	0	11798	4483	300	4783	16581
16	3% PEN	NONE	ACOL A	3311	7959	454	132	0	11856	3930	0	3930	15786
17	3% PEN	210--0--0	ACOL A	3022	8185	470	120	0	11797	[illegible]	420	4733	16530
18	4% PEN	NONE	ACOL A	3332	7945	452	132	0	11861	3429	0	3429	15290
19	4% PEN	270--0--0	ACOL A	2415	8243	471	111	0	11240	4168	542	4710	15950
20	5% PEN	NONE	ACOL A	3341	7926	451	129	0	11847	3558	0	3558	15405
21	6% PEN	NONE	ACOL A	3351	7905	451	129	0	11836	3429	0	3429	15265
22	6% PEN	390--0--0	ACOL A	2828	8366	474	112	0	11780	3941	791	4732	16512
23	COLA 30/90%	NONE	ACOL A	3200	8013	466	126	0	11805	4663	0	4663	16468
24	COLA 30/75%	NONE	ACOL A	3238	7993	464	129	0	11824	4379	0	4379	16203
25	COLA 30/67%	NONE	ACOL A	3258	7982	462	129	0	11831	4238	0	4238	16069
26	COLA 30/50%	NONE	ACOL A	3292	7960	458	131	0	11841	3963	0	3963	15804
27	COLA 30/33%	NONE	ACOL A	3339	7942	456	132	0	11869	3712	0	3712	15581
28	COLA 30/0%	NONE	ACOL A	3349	7911	455	132	0	11847	3290	0	3290	15137
29	COLA 62/90%	NONE	ACOL A	3224	7987	465	128	0	11804	4342	0	4342	16146
30	COLA 62/75%	NONE	ACOL A	3298	7928	461	130	0	11817	3886	0	3886	15703
31	COLA 62/67%	NONE	ACOL A	3315	7898	459	131	0	11803	3773	0	3773	15576
32	COLA 62/50%	NONE	ACOL A	3410	7838	456	135	0	11839	3311	0	3311	15150
33	COLA 62/50%	160--40--50	ACOL A	3083	8107	469	121	0	11780	3679	406	4085	15865
34	COLA 62/33%	NONE	ACOL A	3480	7778	453	136	0	11847	2866	0	2866	14713
35	COLA 62/0%	NONE	ACOL A	3602	7679	447	143	0	11871	2280	0	2280	14151
36	COLA LIFE/75%	NONE	ACOL A	3323	7900	383	132	0	11738	3773	0	3773	15511
37	COLA LIFE/50%	NONE	ACOL A	3448	7795	380	136	0	11759	2971	0	2971	14730
38	COLA LIFE/25%	NONE	ACOL A	3556	7705	378	141	0	11780	2377	0	2377	14157
39	COLA LIFE/0%	NONE	ACOL A	3647	7628	375	145	0	11795	1935	0	1935	13730
40	COLA 62/75% + 3% PEN	NONE	ACOL A	3416	7861	451	135	0	11863	3258	0	3258	15121
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	3119	8091	466	123	0	11799	3474	388	3862	15661
42	COLA 62/67% + 3% PEN	NONE	ACOL A	4497	8362	521	133	0	13513	3441	0	3441	16954
43	HIGH 3	NONE	ACOL B	3175	8028	386	125	0	11714	4925	0	4925	16639
44	DEC 30% (1.75 MULT)	NONE	ACOL B	3567	7691	378	142	0	11778	3019	0	3019	14797
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	3061	8097	389	121	0	11668	3484	577	4061	15729
46	3% PEN	NONE	ACOL B	3290	7966	380	130	0	11766	3961	0	3961	15727
47	3% PEN	210--0--0	ACOL B	3005	8187	388	120	0	11700	4337	422	4759	16459
48	COLA 62/50%	NONE	ACOL B	3406	7837	381	135	0	11759	3318	0	3318	15077
49	COLA 62/50%	160-40-50	ACOL B	3073	8107	388	121	0	11689	3688	408	4096	15785
50	COLA 62/75% + 3% PEN	NONE	ACOL B	3385	7870	379	134	0	11768	3283	0	3283	15051

SERVICE: DOD COMMUNITY: OFF

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	3099	8094	386	122	0	11701	3614	390	4004	15705
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	4617	8190	521	164	0	13492	3519	0	3519	17011
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	4111	8599	521	146	0	13377	3850	586	4436	17813
54	3% PEN	NONE	DMSM(ACOL B)	4341	8434	521	159	0	13455	4103	0	4103	17558
55	3% PEN	210--0--0	DMSM(ACOL B)	4055	8672	521	146	0	13394	4437	439	4876	18270
56	COLA 62/50%	NONE	DMSM(ACOL B)	4456	8319	521	157	0	13453	3731	0	3731	17184
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	4123	8593	521	146	0	13383	4015	418	4433	17816
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	4436	8332	521	159	0	13448	3348	0	3348	16796
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	4148	8570	521	146	0	13385	3737	406	4143	17528
60	SS OFFSET=1.25%/YR	NONE	ACOL A	3270	7995	458	129	0	11852	3424	0	3424	15276
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	3068	8207	464	122	0	11861	4820	0	4820	16681
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	3066	8227	461	122	0	11876	4708	0	4708	16584
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	3272	8019	446	132	0	11869	4023	0	4023	15892
64	VEST 22,AFTER SHIFT	NONE	ACOL A	3568	7735	444	141	0	11888	3408	0	3408	15296
65	VEST 24,AFTER SHIFT	NONE	ACOL A	3828	7563	430	147	0	11968	3029	0	3029	14997
66	VEST 30,AFTER SHIFT	NONE	ACOL A	4327	7120	407	167	0	12021	2069	0	2069	14090
67	RMA	NONE	ACOL A	3295	7940	381	130	0	11746	4006	0	4006	15752
68	USRBA W/O LOAN	NONE	ACOL A	3338	7902	380	132	0	11752	3899	0	3899	15651
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	3088	8100	386	122	0	11696	4316	323	4639	16335
70	PPSSCC OSD 248	NONE	ACOL A	3543	7701	444	141	0	11829	1476	0	1476	13305
71	PPSSCC USAF 1.9%	NONE	ACOL A	3939	7407	427	156	0	11929	1073	0	1073	13002

SERVICE: DOD COMMUNITY: OFF

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	3146	8041	388	124	0	11699	5082	0	5082	16781
3	HIGH 3	NONE	ACOL A	28	-16	79	2	0	93	-219	0	-219	-126
4	DEC 10%	NONE	ACOL A	157	-126	75	7	0	113	-852	0	-852	-739
5	DEC 20%	NONE	ACOL A	285	-235	69	12	0	131	-1469	0	-1469	-1338
	DEC 20%	150--30--70	ACOL A	-14	2	81	0	0	69	-1148	383	-765	-696
7	DEC 30%	NONE	ACOL A	424	-350	62	18	0	154	-2066	0	-2066	-1912
8	DEC 30%	210--0--0	ACOL A	74	-126	81	4	0	33	-1668	430	-1238	-1205
9	DEC 30%	210--60--100	ACOL A	-71	55	82	-3	0	63	-1611	575	-1036	-973
10	DEC 40%	NONE	ACOL A	569	-465	56	23	0	183	-2665	0	-2665	-2482
11	DEC 50%	NONE	ACOL A	716	-577	48	28	0	215	-3162	0	-3162	-2947
12	1% PENALTY	NONE	ACOL A	97	-42	75	2	0	132	-580	0	-580	-448
13	1% PEN	90--0--0	ACOL A	-40	50	81	-3	0	88	-389	181	-208	-120
14	2% PEN	NONE	ACOL A	146	-65	69	7	0	157	-894	0	-894	-737
15	2% PEN	150--0--0	ACOL A	-73	94	81	-3	0	99	-599	300	-299	-200
16	3% PEN	NONE	ACOL A	165	-82	66	8	0	157	-1152	0	-1152	-995
17	3% PEN	210--0--0	ACOL A	-124	144	82	-4	0	98	-769	420	-349	-251
18	4% PEN	NONE	ACOL A	186	-96	64	8	0	162	-1653	0	-1653	-1491
19	4% PEN	270--0--0	ACOL A	-731	202	83	-13	0	-459	-914	542	-372	-831
20	5% PEN	NONE	ACOL A	195	-115	63	5	0	148	-1524	0	-1524	-1376
21	6% PEN	NONE	ACOL A	205	-136	63	5	0	137	-1653	0	-1653	-1516
22	6% PEN	390--0--0	ACOL A	-318	325	86	-12	0	81	-1141	791	-350	-269
23	COLA 30/90%	NONE	ACOL A	54	-28	78	2	0	106	-419	0	-419	-313
24	COLA 30/75%	NONE	ACOL A	92	-48	76	5	0	125	-703	0	-703	-578
25	COLA 30/67%	NONE	ACOL A	112	-59	74	5	0	132	-844	0	-844	-712
26	COLA 30/50%	NONE	ACOL A	146	-81	70	7	0	142	-1119	0	-1119	-977
27	COLA 30/33%	NONE	ACOL A	193	-99	68	8	0	170	-1370	0	-1370	-1200
28	COLA 30/0%	NONE	ACOL A	203	-130	67	8	0	148	-1792	0	-1792	-1644
29	COLA 62/90%	NONE	ACOL A	78	-54	77	4	0	105	-740	0	-740	-635
30	COLA 62/75%	NONE	ACOL A	152	-113	73	6	0	118	-1196	0	-1196	-1078
31	COLA 62/67%	NONE	ACOL A	169	-143	71	7	0	104	-1309	0	-1309	-1205
32	COLA 62/50%	NONE	ACOL A	264	-203	68	11	0	140	-1771	0	-1771	-1631
33	COLA 62/50%	160--40--50	ACOL A	-63	66	81	-3	0	81	-1403	406	-997	-916
34	COLA 62/33%	NONE	ACOL A	334	-263	65	12	0	148	-2216	0	-2216	-2068
35	COLA 62/0%	NONE	ACOL A	456	-362	59	19	0	172	-2802	0	-2802	-2630
36	COLA LIFE/75%	NONE	ACOL A	177	-141	-5	8	0	39	-1309	0	-1309	-1270
37	COLA LIFE/50%	NONE	ACOL A	302	-246	-8	12	0	60	-2111	0	-2111	-2051
38	COLA LIFE/25%	NONE	ACOL A	410	-336	-10	17	0	81	-2705	0	-2705	-2624
39	COLA LIFE/0%	NONE	ACOL A	501	-413	-13	21	0	96	-3147	0	-3147	-3051
40	COLA 62/75% + 3% PEN	NONE	ACOL A	270	-180	63	11	0	164	-1824	0	-1824	-1660
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	-27	50	78	-1	0	100	-1608	388	-1220	-1120
42	COLA 62/67% + 3% PEN	NONE	ACOL A	1351	321	133	9	0	1814	-1641	0	-1641	173
43	HIGH 3	NONE	ACOL B	29	-13	-2	1	0	15	-157	0	-157	-142
44	DEC 30% (1.75 MULT)	NONE	ACOL B	421	-350	-10	18	0	79	-2063	0	-2063	-1984
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-85	56	1	-3	0	-31	-1598	577	-1021	-1052
46	3% PEN	NONE	ACOL B	144	-75	-8	6	0	67	-1121	0	-1121	-1054
47	3% PEN	210--0--0	ACOL B	-141	146	0	-4	0	1	-745	422	-323	-322
48	COLA 62/50%	NONE	ACOL B	260	-204	-7	11	0	60	-1764	0	-1764	-1704
49	COLA 62/50%	160-40-50	ACOL B	-73	66	0	-3	0	-10	-1394	408	-986	-996
50	COLA 62/75% + 3% PEN	NONE	ACOL B	239	-171	-9	10	0	69	-1799	0	-1799	-1730

L-B-150
ATCH 4

SERVICE: DOD COMMUNITY: OFF

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	-47	53	-2	-2	0	2	-1468	390	-1078	-1076
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	1471	149	133	40	0	1793	-1563	0	-1563	230
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	965	558	133	22	0	1678	-1232	586	-646	1032
54	3% PEN	NONE	DMSM(ACOL B)	1195	393	133	35	0	1756	-979	0	-979	777
55	3% PEN	210--0--0	DMSM(ACOL B)	909	631	133	22	0	1695	-645	439	-206	1489
56	COLA 62/50%	NONE	DMSM(ACOL B)	1310	278	133	33	0	1754	-1351	0	-1351	403
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	977	552	133	22	0	1684	-1067	418	-649	1035
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	1290	291	133	35	0	1749	-1734	0	-1734	15
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DMSM(ACOL B)	1002	529	133	22	0	1686	-1345	406	-939	747
60	SS OFFSET=1.25%/YR	NONE	ACOL A	124	-46	70	5	0	153	-1658	0	-1658	-1505
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-78	166	76	-2	0	162	-262	0	-262	-100
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-80	186	73	-2	0	177	-374	0	-374	-197
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	126	-22	58	8	0	170	-1059	0	-1059	-889
64	VEST 22,AFTER SHIFT	NONE	ACOL A	422	-306	56	17	0	189	-1674	0	-1674	-1485
65	VEST 24,AFTER SHIFT	NONE	ACOL A	682	-478	42	23	0	269	-2053	0	-2053	-1784
66	VEST 30,AFTER SHIFT	NONE	ACOL A	1181	-921	19	43	0	322	-3013	0	-3013	-2691
67	RMA	NONE	ACOL A	149	-101	-7	6	0	47	-1076	0	-1076	-1029
68	USRBA W/O LOAN	NONE	ACOL A	192	-139	-8	8	0	53	-1183	0	-1183	-1130
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-58	59	-2	-2	0	-3	-766	323	-443	-446
70	PPSSCC OSD 24B	NONE	ACOL A	397	-340	56	17	0	130	-3606	0	-3606	-3476
71	PPSSCC USAF 1.9%	NONE	ACOL A	793	-634	39	32	0	230	-4009	0	-4009	-3779

SERVICE: DOD COMMUNITY: OFF

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	3146	8041	388	124	0	11699	5082	0	5082	16781
3	HIGH 3	NONE	ACOL A	1	0	20	2	0	1	-4	0	-4	-1
4	DEC 10%	NONE	ACOL A	5	-2	19	6	0	1	-17	0	-17	-4
5	DEC 20%	NONE	ACOL A	9	-3	18	10	0	1	-29	0	-29	-8
6	DEC 20%	150--30--70	ACOL A	0	0	21	0	0	1	-23	******	-15	-4
7	DEC 30%	NONE	ACOL A	13	-4	16	15	0	1	-41	0	-41	-11
8	DEC 30%	210--0--0	ACOL A	2	-2	21	3	0	0	-33	******	-24	-7
9	DEC 30%	210--60--100	ACOL A	-2	1	21	-2	0	1	-32	******	-20	-6
10	DEC 40%	NONE	ACOL A	18	-6	14	19	0	2	-52	0	-52	-15
11	DEC 50%	NONE	ACOL A	23	-7	12	23	0	2	-62	0	-62	-18
12	1% PENALTY	NONE	ACOL A	3	-1	19	2	0	1	-11	0	-11	-3
13	1% PEN	90--0--0	ACOL A	-1	1	21	-2	0	1	-8	** ***	-4	-1
14	2% PEN	NONE	ACOL A	5	-1	18	6	0	1	-18	0	-18	-4
15	2% PEN	150--0--0	ACOL A	-2	1	21	-2	0	1	-12	******	-6	-1
16	3% PEN	NONE	ACOL A	5	-1	17	6	0	1	-23	0	-23	-6
17	3% PEN	210--0--0	ACOL A	-4	2	21	-3	0	1	-15	******	-7	-1
18	4% PEN	NONE	ACOL A	6	-1	16	6	0	1	-33	0	-33	-9
19	4% PEN	270--0--0	ACOL A	-23	3	21	-10	0	-4	-18	******	-7	-5
20	5% PEN	NONE	ACOL A	6	-1	16	4	0	1	-30	0	-30	-8
21	6% PEN	NONE	ACOL A	7	-2	16	4	0	1	-33	0	-33	-9
22	6% PEN	390--0--0	ACOL A	-10	4	22	-10	0	1	-22	******	-7	-2
23	COLA 30/90%	NONE	ACOL A	2	0	20	2	0	1	-8	0	-8	-2
24	COLA 30/75%	NONE	ACOL A	3	-1	20	4	0	1	-14	0	-14	-3
25	COLA 30/67%	NONE	ACOL A	4	-1	19	4	0	1	-17	0	-17	-4
26	COLA 30/50%	NONE	ACOL A	5	-1	18	6	0	1	-22	0	-22	-6
27	COLA 30/33%	NONE	ACOL A	6	-1	18	6	0	1	-27	0	-27	-7
28	COLA 30/0%	NONE	ACOL A	6	-2	17	6	0	1	-35	0	-35	-10
29	COLA 62/90%	NONE	ACOL A	2	-1	20	3	0	1	-15	0	-15	-4
30	COLA 62/75%	NONE	ACOL A	5	-1	19	5	0	1	-24	0	-24	-6
31	COLA 62/67%	NONE	ACOL A	5	-2	18	6	0	1	-26	0	-26	-7
32	COLA 62/50%	NONE	ACOL A	8	-3	18	9	0	1	-35	0	-35	-10
33	COLA 62/50%	160--40--50	ACOL A	-2	1	21	-2	0	1	-28	******	-20	-5
34	COLA 62/33%	NONE	ACOL A	11	-3	17	10	0	1	-44	0	-44	-12
35	COLA 62/0%	NONE	ACOL A	14	-5	15	15	0	1	-55	0	-55	-16
36	COLA LIFE/75%	NONE	ACOL A	6	-2	-1	6	0	0	-26	0	-26	-8
37	COLA LIFE/50%	NONE	ACOL A	10	-3	-2	10	0	1	-42	0	-42	-12
38	COLA LIFE/25%	NONE	ACOL A	13	-4	-3	14	0	1	-53	0	-53	-16
39	COLA LIFE/0%	NONE	ACOL A	16	-5	-3	17	0	1	-62	0	-62	-18
40	COLA 62/75% + 3% PEN	NONE	ACOL A	9	-2	16	9	0	1	-36	0	-36	-10
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	-1	1	20	-1	0	1	-32	******	-24	-7
42	COLA 62/67% + 3% PEN	NONE	ACOL A	43	4	34	7	0	16	-32	0	-32	1
43	HIGH 3	NONE	ACOL B	1	0	-1	1	0	0	-3	0	-3	-1
44	DEC 30% (1.75 MULT)	NONE	ACOL B	13	-4	-3	15	0	1	-41	0	-41	-12
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-3	1	0	-2	0	0	-31	******	-20	-6
46	3% PEN	NONE	ACOL B	5	-1	-2	5	0	1	-22	0	-22	-6
47	3% PEN	210--0--0	ACOL B	-4	2	0	-3	0	0	-15	******	-6	-2
48	COLA 62/50%	NONE	ACOL B	8	-3	-2	9	0	1	-35	0	-35	-10
49	COLA 62/50%	160-40-50	ACOL B	-2	1	0	-2	0	0	-27	******	-19	-6
50	COLA 62/75% + 3% PEN	NONE	ACOL B	8	-2	-2	8	0	1	-35	0	-35	-10

ATCH 4 L-B-152

SERVICE: DOD COMMUNITY: OFF

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	-1	1	-1	-2	0	0	-29	******	-21	-6
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	47	2	34	32	0	15	-31	0	-31	1
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	31	7	34	18	0	14	-24	******	-13	6
54	3% PEN	NONE	DMSM(ACOL B)	38	5	34	28	0	15	-19	0	-19	5
55	3% PEN	210--0--0	DMSM(ACOL B)	29	8	34	18	0	14	-13	******	-4	9
56	COLA 62/50%	NONE	DMSM(ACOL B)	42	3	34	27	0	15	-27	0	-27	2
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	31	7	34	18	0	14	-21	******	-13	6
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	41	4	34	28	0	15	-34	0	-34	0
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DMSM(ACOL B)	32	7	34	18	0	14	-26	******	-18	4
60	SS OFFSET=1.25%/YR	NONE	ACOL A	4	-1	18	4	0	1	-33	0	-33	-9
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-2	2	20	-2	0	1	-5	0	-5	-1
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-3	2	19	-2	0	2	-7	0	-7	-1
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	4	0	15	6	0	1	-21	0	-21	-5
64	VEST 22,AFTER SHIFT	NONE	ACOL A	13	-4	14	14	0	2	-33	0	-33	-9
65	VEST 24,AFTER SHIFT	NONE	ACOL A	22	-6	11	19	0	2	-40	0	-40	-11
66	VEST 30,AFTER SHIFT	NONE	ACOL A	38	-11	5	35	0	3	-59	0	-59	-16
67	RMA	NONE	ACOL A	5	-1	-2	5	0	0	-21	0	-21	-6
68	USRBA W/O LOAN	NONE	ACOL A	6	-2	-2	6	0	0	-23	0	-23	-7
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-2	1	-1	-2	0	0	-15	******	-9	-3
70	PPSSCC OSD 248	NONE	ACOL A	13	-4	14	14	0	1	-71	0	-71	-21
71	PPSSCC USAF 1.9%	NONE	ACOL A	25	-8	10	26	0	2	-79	0	-79	-23

SERVICE: DOD COMMUNITY: ENL

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&:	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	2312	26922	1032	460	2040	32766	10077	0	10077	42843
3	HIGH 3	NONE	ACOL A	2339	26715	1031	464	2040	32589	9455	0	9455	42044
4	DEC 10%	NONE	ACOL A	2397	26442	1021	477	2040	32377	7963	0	7963	40340
5	DEC 20%	NONE	ACOL A	2453	26199	1011	488	2040	32191	6617	0	6617	38808
6	DEC 20%	150--30--70	ACOL A	2318	26821	1034	461	2040	32674	7719	810	8529	41203
7	DEC 30%	NONE	ACOL A	2502	25982	1001	497	2040	32022	5395	0	5395	37417
8	DEC 30%	210--0--0	ACOL A	2343	26564	1036	465	2040	32448	6564	1041	7605	40053
9	DEC 30%	270--60--100	ACOL A	2305	26976	1034	459	2040	32814	6858	1206	8064	40878
10	DEC 40%	NONE	ACOL A	2542	25797	992	505	2040	31876	4309	0	4309	36185
11	DEC 50%	NONE	ACOL A	2579	25630	986	512	2040	31747	3335	0	3335	35082
12	1% PENALTY	NONE	ACOL A	2385	26573	1020	473	2040	32491	8322	0	8322	40813
13	1% PEN	90--0--0	ACOL A	2311	26851	1035	459	2040	32696	8998	443	9441	42137
14	2% PEN	NONE	ACOL A	2427	26439	1009	483	2040	32398	7301	0	7301	39699
15	2% PEN	150--0--0	ACOL A	2308	26904	1035	459	2040	32746	8339	734	9073	41819
16	3% PEN	NONE	ACOL A	2456	26349	999	489	2040	32333	6461	0	6461	38794
17	3% PEN	210--0--0	ACOL A	2302	26974	1034	458	2040	32808	7745	1022	8767	41575
18	4% PEN	NONE	ACOL A	2464	26357	994	489	2040	32344	5879	0	5879	38223
19	4% PEN	270--0--0	ACOL A	2276	27131	1033	452	2040	32932	7327	1318	8645	41577
20	5% PEN	NONE	ACOL A	2460	26421	993	489	2040	32403	5492	0	5492	37895
21	6% PEN	NONE	ACOL A	2452	26520	991	487	2040	32490	5259	0	5259	37749
22	6% PEN	390--0--0	ACOL A	2190	27656	1041	435	2040	33362	7017	1950	8967	42329
23	COLA 30/90%	NONE	ACOL A	2355	26658	1027	468	2040	32548	8958	0	8958	41506
24	COLA 30/75%	NONE	ACOL A	2379	26573	1021	472	2040	32485	8263	0	8263	40748
25	COLA 30/67%	NONE	ACOL A	2390	26531	1020	475	2040	32456	7920	0	7920	40376
26	COLA 30/50%	NONE	ACOL A	2414	26444	1014	479	2040	32391	7241	0	7241	39632
27	COLA 30/33%	NONE	ACOL A	2436	26360	1010	484	2040	32330	6630	0	6630	38960
28	COLA 30/0%	NONE	ACOL A	2466	26254	1000	490	2040	32250	5680	0	5680	37930
29	COLA 62/90%	NONE	ACOL A	2366	26591	1025	470	2040	32492	8374	0	8394	40886
30	COLA 62/75%	NONE	ACOL A	2404	26426	1019	477	2040	32366	7217	0	7217	39583
31	COLA 62/67%	NONE	ACOL A	2421	26348	1016	481	2040	32306	6749	0	6749	39055
32	COLA 62/50%	NONE	ACOL A	2456	26198	1010	488	2040	32192	5670	0	5670	37862
33	COLA 62/50%	160--40--50	ACOL A	2311	26892	1035	459	2040	32737	6845	869	7714	40451
34	COLA 62/33%	NONE	ACOL A	2486	26610	1003	494	2040	32093	4849	0	4849	36942
35	COLA 62/0%	NONE	ACOL A	2526	25884	995	501	2040	31946	3660	0	3660	35606
36	COLA LIFE/75%	NONE	ACOL A	2411	26408	1017	480	2040	32356	6998	0	6998	39354
37	COLA LIFE/50%	NONE	ACOL A	2470	26153	1006	490	2040	32159	5302	0	5302	37461
38	COLA LIFE/25%	NONE	ACOL A	2516	25956	997	500	2040	32009	4122	0	4122	36131
39	COLA LIFE/0%	NONE	ACOL A	2553	25798	990	507	2040	31888	3275	0	3275	35163
40	COLA 62/75% + 3% PEN	NONE	ACOL A	2498	26116	993	496	2040	32143	5011	0	5011	37154
41	COLA 62/75% + 3% PEN	200(C)/300(E)--0--0	ACOL A	2284	26971	1040	454	2040	32789	6414	1516	7930	40719
42	COLA 62/67% + 3% PEN	NONE	ACOL A	3770	25772	888	598	2040	32968	4855	0	4855	37823
43	HIGH 3	NONE	ACOL B	2337	26744	1031	464	2040	32616	9473	0	9473	42089
44	DEC 30% (1.75 MULT)	NONE	ACOL B	2516	25946	998	500	2040	32000	5332	0	5332	37332
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	2273	27093	1035	452	2040	32893	7000	1237	8237	41130
46	3% PEN	NONE	ACOL B	2406	26549	1007	479	2040	32481	6771	0	6771	39252
47	3% PEN	210--0--0	ACOL B	2255	27163	1037	448	2040	32943	8030	1047	9077	42020
48	COLA 62/50%	NONE	ACOL B	2462	26193	1008	489	2040	32192	5702	0	5702	37894
49	COLA 62/50%	160-40-50	ACOL B	2294	26965	1035	456	2040	32788	6928	882	7810	40598
50	COLA 62/75% + 3% PEN	NONE	ACOL B	2457	26287	999	488	2040	32271	5251	0	5251	37522

SERVICE: DOD COMMUNITY: ENL

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	2244	27137	1043	446	2040	32910	6729	1543	8272	41182
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	3780	25630	888	500	0	30798	5697	0	5697	36495
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	3516	26183	888	462	0	31649	6948	1255	8203	39852
54	3% PEN	NONE	DMSM(ACOL B)	3659	26225	887	482	0	31253	6591	0	6591	37844
55	3% PEN	210--0--0	DMSM(ACOL B)	3497	26850	888	459	0	31694	7554	1057	8611	40305
56	COLA 62/50%	NONE	DMSM(ACOL B)	3719	25881	888	491	0	30979	5711	0	5711	36690
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	3538	26685	888	465	0	31576	6727	901	7628	39204
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	3714	25947	888	490	0	31039	4998	0	4998	36037
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	3484	26819	888	457	0	31648	6422	1560	7982	39630
60	SS OFFSET=1.25%/YR	NONE	ACOL A	2417	26486	1012	480	2040	32435	7286	0	7286	39721
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	2327	27146	1014	463	2040	32990	9444	0	9444	42434
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	2300	27635	1000	457	2040	33432	9716	0	9716	43148
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	2301	27575	988	469	2040	33373	8890	0	8890	42263
64	VEST 22,AFTER SHIFT	NONE	ACOL A	2561	25732	973	509	2040	31815	4993	0	4993	36808
65	VEST 24,AFTER SHIFT	NONE	ACOL A	2658	25282	963	529	2040	31472	3318	0	3318	34790
66	VEST 30,AFTER SHIFT	NONE	ACOL A	2729	24993	949	542	2040	31253	2266	0	2266	33519
67	RMA	NONE	ACOL A	2397	25533	1012	476	2040	32458	7544	0	7544	40002
68	USRBA W/O LOAN	NONE	ACOL A	2401	25513	1013	477	2040	32444	7839	0	7839	40283
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	2295	26957	1032	456	2040	32780	8430	803	9233	42013
70	PPSSCC OSD 24B	NONE	ACOL A	2548	25909	982	507	2040	31986	1989	0	1989	33975
71	PPSSCC USAF 1.9%	NONE	ACOL A	2595	25716	975	515	2040	31841	2025	0	2025	33866

SERVICE: DOD COMMUNITY: ENL

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	2312	26922	1032	460	2040	32766	10077	0	10077	42843
3	HIGH 3	NONE	ACOL A	27	-207	-1	4	0	-177	-622	0	-622	-799
4	DEC 10%	NONE	ACOL A	85	-480	-11	17	0	-389	-2114	0	-2114	-2503
5	DEC 20%	NONE	ACOL A	141	-723	-21	28	0	-575	-3460	0	-3460	-4035
6	DEC 20%	150--30--70	ACOL A	6	-101	2	1	0	-92	-2358	810	-1548	-1640
7	DEC 30%	NONE	ACOL A	190	-940	-31	37	0	-744	-4682	0	-4682	-5426
8	DEC 30%	210--0--0	ACOL A	31	-358	4	5	0	-318	-3513	1041	-2472	-2790
9	DEC 30%	210--60--100	ACOL A	-7	54	2	-1	0	48	-3219	1206	-2013	-1965
10	DEC 40%	NONE	ACOL A	230	-1125	-40	45	0	-890	-5768	0	-5768	-6658
11	DEC 50%	NONE	ACOL A	267	-1292	-46	52	0	-1019	-6742	0	-6742	-7761
12	1% PENALTY	NONE	ACOL A	73	-349	-12	13	0	-275	-1755	0	-1755	-2030
13	1% PEN	90--0--0	ACOL A	-1	-71	3	-1	0	-70	-1079	443	-636	-706
14	2% PEN	NONE	ACOL A	115	-483	-23	23	0	-368	-2776	0	-2776	-3144
15	2% PEN	150--0--0	ACOL A	-4	-18	1	-1	0	-20	-1739	734	-1004	-1024
16	3% PEN	NONE	ACOL A	144	-573	-33	29	0	-433	-3616	0	-3616	-4049
17	3% PEN	210--0--0	ACOL A	-10	52	2	-2	0	42	-2332	1022	-1310	-1268
18	4% PEN	NONE	ACOL A	152	-565	-38	29	0	-422	-4198	0	-4198	-4620
19	4% PEN	270--0--0	ACOL A	-36	209	1	-8	0	166	-2750	1318	-1432	-1266
20	5% PEN	NONE	ACOL A	148	-501	-39	29	0	-363	-4585	0	-4585	-4948
21	6% PEN	NONE	ACOL A	140	-402	-41	27	0	-276	-4818	0	-4818	-5094
22	6% PEN	390--0--0	ACOL A	-122	734	9	-25	0	596	-3060	1950	-1110	-514
23	COLA 30/90%	NONE	ACOL A	43	-264	-5	8	0	-218	-1119	0	-1119	-1337
24	COLA 30/75%	NONE	ACOL A	67	-349	-11	12	0	-281	-1814	0	-1814	-2095
25	COLA 30/67%	NONE	ACOL A	78	-391	-12	15	0	-310	-2157	0	-2157	-2467
26	COLA 30/50%	NONE	ACOL A	102	-478	-18	19	0	-375	-2836	0	-2836	-3211
27	COLA 30/33%	NONE	ACOL A	124	-562	-22	24	0	-436	-3447	0	-3447	-3883
28	COLA 30/0%	NONE	ACOL A	154	-668	-32	30	0	-516	-4397	0	-4397	-4913
29	COLA 62/90%	NONE	ACOL A	54	-331	-7	10	0	-274	-1683	0	-1683	-1957
30	COLA 62/75%	NONE	ACOL A	92	-496	-13	17	0	-400	-2860	0	-2860	-3260
31	COLA 62/67%	NONE	ACOL A	109	-574	-16	21	0	-460	-3328	0	-3328	-3788
32	COLA 62/50%	NONE	ACOL A	144	-724	-22	28	0	-574	-4407	0	-4407	-4981
33	COLA 62/50%	160--40--50	ACOL A	-1	-30	3	-1	0	-29	-3232	869	-2363	-2392
34	COLA 62/33%	NONE	ACOL A	174	-852	-29	34	0	-673	-5228	0	-5228	-5901
35	COLA 62/0%	NONE	ACOL A	214	-1038	-37	41	0	-820	-6417	0	-6417	-7237
36	COLA LIFE/75%	NONE	ACOL A	99	-514	-15	20	0	-410	-3079	0	-3079	-3489
37	COLA LIFE/50%	NONE	ACOL A	158	-769	-26	30	0	-607	-4775	0	-4775	-5382
38	COLA LIFE/25%	NONE	ACOL A	204	-966	-35	40	0	-757	-5955	0	-5955	-6712
39	COLA LIFE/0%	NONE	ACOL A	241	-1124	-42	47	0	-878	-6802	0	-6802	-7680
40	COLA 62/75% + 3% PEN	NONE	ACOL A	186	-806	-39	36	0	-623	-5066	0	-5066	-5689
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	-28	49	8	-6	0	23	-3663	1516	-2147	-2124
42	COLA 62/67% + 3% PEN	NONE	ACOL A	1458	-1150	-144	38	0	202	-5222	0	-5222	-5020
43	HIGH 3	NONE	ACOL B	25	-178	-1	4	0	-150	-604	0	-604	-754
44	DEC 30% (1.75 MULT)	NONE	ACOL B	204	-976	-34	40	0	-766	-4745	0	-4745	-5511
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-39	171	3	-8	0	127	-3077	1237	-1840	-1713
46	3% PEN	NONE	ACOL B	94	-373	-25	19	0	-285	-3306	0	-3306	-3591
47	3% PEN	210--0--0	ACOL B	-57	241	5	-12	0	177	-2047	1047	-1000	-823
48	COLA 62/50%	NONE	ACOL B	150	-729	-24	29	0	-574	-4375	0	-4375	-4949
49	COLA 62/50%	160-40-50	ACOL B	-38	41	3	-4	0	22	-3149	882	-2267	-2245
50	COLA 62/75% + 3% PEN	NONE	ACOL B	145	-635	-33	28	0	-495	-4826	0	-4826	-5321

ATCH 4
I-H-156

SERVICE: DOD COMMUNITY: ENL

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-68	215	11	-14	0	144	-3348	1543	-1805	-1661
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	1468	-1292	-144	40	-2040	-1968	-4380	0	-4380	-6348
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	1204	-139	-144	2	-2040	-1117	-3129	1255	-1874	-2991
54	3% PEN	NONE	DMSM(ACOL B)	1347	-697	-145	22	-2040	-1513	-3486	0	-3486	-4999
55	3% PEN	210--0--0	DMSM(ACOL B)	1185	-72	-144	-1	-2040	-1072	-2523	1057	-1466	-2538
56	COLA 62/50%	NONE	DMSM(ACOL B)	1407	-1041	-144	31	-2040	-1787	-4366	0	-4366	-6153
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	1226	-237	-144	5	-2040	-1190	-3350	901	-2449	-3639
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	1402	-975	-144	30	-2040	-1727	-5079	0	-5079	-6806
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	1172	-103	-144	-3	-2040	-1118	-3655	1560	-2095	-3213
60	SS OFFSET=1.25%/YR	NONE	ACOL A	105	-436	-20	20	0	-331	-2791	0	-2791	-3122
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	15	224	-18	3	0	224	-633	0	-633	-409
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-12	713	-32	-3	0	666	-361	0	-361	305
63	VEST 30,BEFORE SH	NONE	ACOL A	-11	653	-44	9	0	607	-1187	0	-1187	-580
64	VEST 22,AFTER SHI	NONE	ACOL A	249	-1190	-59	49	0	-951	-5084	0	-5084	-6035
65	VEST 24,AFTER SHIFT	NONE	ACOL A	346	-1640	-69	69	0	-1294	-6759	0	-6759	-8053
66	VEST 30,AFTER SHIFT	NONE	ACOL A	417	-1929	-83	82	0	-1513	-7811	0	-7811	-9324
67	RMA	NONE	ACOL A	85	-389	-20	16	0	-308	-2533	0	-2533	-2841
68	USR3A W/O LOAN	NONE	ACOL A	89	-409	-19	17	0	-322	-2238	0	-2238	-2560
69	USR8A WITH LOAN	LOAN OPTION	ACOL A	-17	35	0	-4	0	14	-1647	803	-844	-830
70	PPSSCC OSD 24B	NONE	ACOL A	236	-1013	-50	47	0	-780	-8088	0	-8088	-8868
71	PPSSCC USAF 1.9%	NONE	ACOL A	283	-1206	-57	55	0	-925	-8052	0	-8052	-8977

SERVICE: DOD COMMUNITY: ENL

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	2312	26922	1032	460	2040	32766	10077	0	10077	42843
3	HIGH 3	NONE	ACOL A	1	-1	0	1	0	-1	-6	0	-6	-2
4	DEC 10%	NONE	ACOL A	4	-2	-1	4	0	-1	-21	0	-21	-6
5	DEC 20%	NONE	ACOL A	6	-3	-2	6	0	-2	-34	0	-34	-9
6	DEC 20%	150--30--70	ACOL A	0	0	0	0	0	0	-23	******	-15	-4
7	DEC 30%	NONE	ACOL A	8	-3	-3	8	0	-2	-46	0	-46	-13
8	DEC 30%	210--0--0	ACOL A	1	-1	0	1	0	-1	-35	******	-25	-7
9	DEC 30%	210--60--100	ACOL A	0	0	0	0	0	0	-32	******	-20	-5
10	DEC 40%	NONE	ACOL A	10	-4	-4	10	0	-3	-57	0	-57	-16
11	DEC 50%	NONE	ACOL A	12	-5	-4	11	0	-3	-67	0	-67	-18
12	1% PENALTY	NONE	ACOL A	3	-1	-1	3	0	-1	-17	0	-17	-5
13	1% PEN	90--0--0	ACOL A	0	0	0	0	0	0	-11	******	-6	-2
14	2% PEN	NONE	ACOL A	5	-2	-2	5	0	-1	-28	0	-28	-7
15	2% PEN	150--0--0	ACOL A	0	0	0	0	0	0	-17	******	-10	-2
16	3% PEN	NONE	ACOL A	6	-2	-3	6	0	-1	-36	0	-36	-9
17	3% PEN	210--0--0	ACOL A	0	0	0	0	0	0	-23	******	-13	-3
18	4% PEN	NONE	ACOL A	7	-2	-4	6	0	-1	-42	0	-42	-11
19	4% PEN	270--0--0	ACOL A	-2	1	0	-2	0	1	-27	******	-14	-3
20	5% PEN	NONE	ACOL A	6	-2	-4	6	0	-1	-45	0	-45	-12
21	6% PEN	NONE	ACOL A	6	-1	-4	6	0	-1	-48	0	-48	-12
22	6% PEN	390--0--0	ACOL A	-5	3	1	-5	0	2	-30	******	-11	-1
23	COLA 30/90%	NONE	ACOL A	2	-1	0	2	0	-1	-11	0	-11	-3
24	COLA 30/75%	NONE	ACOL A	3	-1	-1	3	0	-1	-18	0	-18	-5
25	COLA 30/67%	NONE	ACOL A	3	-1	-1	3	0	-1	-21	0	-21	-6
26	COLA 30/50%	NONE	ACOL A	4	-2	-2	4	0	-1	-28	0	-28	-7
27	COLA 30/33%	NONE	ACOL A	5	-2	-2	5	0	-1	-34	0	-34	-9
28	COLA 30/0%	NONE	ACOL A	7	-2	-3	7	0	-2	-44	0	-44	-11
29	COLA 62/90%	NONE	ACOL A	2	-1	-1	2	0	-1	-17	0	-17	-5
30	COLA 62/75%	NONE	ACOL A	4	-2	-1	4	0	-1	-28	0	-28	-8
31	COLA 62/67%	NONE	ACOL A	5	-2	-2	5	0	-1	-33	0	-33	-9
32	COLA 62/50%	NONE	ACOL A	6	-3	-2	6	0	-2	-44	0	-44	-12
33	COLA 62/50%	160--40--50	ACOL A	0	0	0	0	0	0	-32	******	-23	-6
34	COLA 62/33%	NONE	ACOL A	8	-3	-3	7	0	-2	-52	0	-52	-14
35	COLA 62/0%	NONE	ACOL A	9	-4	-4	9	0	-3	-64	0	-64	-17
36	COLA LIFE/75%	NONE	ACOL A	4	-2	-1	4	0	-1	-31	0	-31	-8
37	COLA LIFE/50%	NONE	ACOL A	7	-3	-3	7	0	-2	-47	0	-47	-13
38	COLA LIFE/25%	NONE	ACOL A	9	-4	-3	9	0	-2	-59	0	-59	-16
39	COLA LIFE/0%	NONE	ACOL A	10	-4	-4	10	0	-3	-68	0	-68	-18
40	COLA 62/75% + 3% PEN	NONE	ACOL A	8	-3	-4	8	0	-2	-50	0	-50	-13
41	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL A	-1	0	1	-1	0	0	-36	******	-21	-5
42	COLA 62/67% + 3% PEN	NONE	ACOL A	63	-4	-14	8	0	1	-52	0	-52	-12
43	HIGH 3	NONE	ACOL B	1	-1	0	1	0	0	-6	0	-6	-2
44	DEC 30% (1.75 MULT)	NONE	ACOL B	9	-4	-3	9	0	-2	-47	0	-47	-13
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-2	1	0	-2	0	0	-31	******	-18	-4
46	3% PEN	NONE	ACOL B	4	-1	-2	4	0	-1	-33	0	-33	-8
47	3% PEN	210--0--0	ACOL B	-2	1	0	-3	0	1	-20	******	-10	-2
48	COLA 62/50%	NONE	ACOL B	6	-3	-2	6	0	-2	-43	0	-43	-12
49	COLA 62/50%	160-40-50	ACOL B	-1	0	0	-1	0	0	-31	******	-22	-5
50	COLA 62/75% + 3% PEN	NONE	ACOL B	6	-2	-3	6	0	-2	-48	0	-48	-12

SERVICE: DOD COMMUNITY: ENL

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-3	1	1	-3	0	5	-33	******	-18	-4
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	63	-5	-14	9	-100	-6	-43	0	-43	-15
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	52	-1	-14	0	-100	-3	-31	******	-19	-7
54	3% PEN	NONE	DMSM(ACOL B)	58	-3	-14	5	-100	-5	-35	0	-35	-12
55	3% PEN	210--0--0	DMSM(ACOL B)	51	0	-14	0	-100	-3	-25	******	-15	-6
56	COLA 62/50%	NONE	DMSM(ACOL B)	61	-4	-14	7	-100	-5	-43	0	-43	-14
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	53	-1	-14	1	-100	-4	-33	******	-24	-8
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	61	-4	-14	7	-100	-5	-50	0	-50	-16
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	51	0	-14	-1	-100	-3	-36	******	-21	-7
60	SS OFFSET=1.25%/YR	NONE	ACOL A	5	-2	-2	4	0	-1	-28	0	-28	-7
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	1	1	-2	1	0	1	-6	0	-6	-1
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-1	3	-3	-1	0	2	-4	0	-4	1
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	0	2	-4	2	0	2	-12	0	-12	-1
64	VEST 22,AFTER SHIFT	NONE	ACOL A	11	-4	-6	11	0	-3	-50	0	-50	-14
65	VEST 24,AFTER SHIFT	NONE	ACOL A	15	-6	-7	15	0	-4	-67	0	-67	-19
66	VEST 30,AFTER SHIFT	NONE	ACOL A	18	-7	-8	18	0	-5	-78	0	-78	-22
67	RMA	NONE	ACOL A	4	-1	-2	3	0	-1	-25	0	-25	-7
68	USRBA W/O LOAN	NONE	ACOL A	4	-2	-2	4	0	-1	-22	0	-22	-6
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-1	0	0	-1	0	0	-16	******	-8	-2
70	PPSSCC OSD 24B	NONE	ACOL A	10	-4	-5	10	0	-2	-80	0	-80	-21
71	PPSSCC USAF 1.9%	NONE	ACOL A	12	-4	-6	12	0	-3	-80	0	-80	-21

SERVICE: DOD COMMUNITY: BOTH

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	5458	34963	1420	584	2040	44465	15159	0	15159	59624
3	HIGH 3	NONE	ACOL A	5513	34740	1498	590	2040	44381	14318	0	14318	58699
4	DEC 10%	NONE	ACOL A	5700	34357	1484	608	2040	44189	12193	0	12193	56382
5	DEC 20%	NONE	ACOL A	5884	34005	1468	624	2040	44021	10230	0	10230	54251
6	DEC 20%	150--30--70	ACOL A	5450	34864	1503	585	2040	44442	11653	1193	12846	57288
7	DEC 30%	NONE	ACOL A	6072	33673	1451	639	2040	43875	8411	0	8411	52286
8	DEC 30%	210--0--0	ACOL A	5563	34479	1505	593	2040	44180	9978	1471	11449	55629
9	DEC 30%	210--60--100	ACOL A	5380	35072	1504	580	2040	44576	10329	1781	12110	56686
10	DEC 40%	NONE	ACOL A	6257	33373	1436	652	2040	43758	6726	0	6726	50484
11	DEC 50%	NONE	ACOL A	6441	33094	1422	664	2040	43661	5255	0	5255	48916
12	1% PENALTY	NONE	ACOL A	5628	34572	1483	599	2040	44322	12824	0	12824	57146
13	1% PEN	90--0--0	ACOL A	5417	34942	1504	580	2040	44483	13691	624	14315	58798
14	2% PEN	NONE	ACOL A	5719	34415	1466	614	2040	44254	11489	0	11489	55743
15	2% PEN	150--0--0	ACOL A	5381	35039	1504	580	2040	44544	12822	1034	13856	58400
16	3% PEN	NONE	ACOL A	5767	34308	1453	621	2040	44189	10391	0	10391	54580
17	3% PEN	210--0--0	ACOL A	5324	35159	1504	578	2040	44605	12058	1442	13500	58105
18	4% PEN	NONE	ACOL A	5796	34302	1446	621	2040	44205	9308	0	9308	53513
19	4% PEN	270--0--0	ACOL A	4691	35374	1504	563	2040	44172	11495	1860	13355	57527
20	5% PEN	NONE	ACOL A	5801	34347	1444	618	2040	44250	9050	0	9050	53300
21	6% PEN	NONE	ACOL A	5803	34425	1442	616	2040	44326	8688	0	8688	53014
22	6% PEN	390--0--0	ACOL A	5018	36022	1515	547	2040	45142	10958	2741	13699	58841
23	COLA 30/90%	NONE	ACOL A	5555	34671	1493	594	2040	44353	13621	0	13621	57974
24	COLA 30/75%	NONE	ACOL A	5617	34566	1485	601	2040	44309	12642	0	12642	56951
25	COLA 30/67%	NONE	ACOL A	5648	34513	1482	604	2040	44287	12158	0	12158	56445
26	COLA 30/50%	NONE	ACOL A	5706	34404	1472	610	2040	44232	11204	0	11204	55436
27	COLA 30/33%	NONE	ACOL A	5775	34302	1466	616	2040	44199	10342	0	10342	54541
28	COLA 30/0%	NONE	ACOL A	5815	34165	1455	622	2040	44097	8970	0	8970	53067
29	COLA 62/90%	NONE	ACOL A	5590	34578	1490	598	2040	44296	12736	0	12736	57032
30	COLA 62/75%	NONE	ACOL A	5702	34354	1480	607	2040	44183	11103	0	11103	55286
31	COLA 62/67%	NONE	ACOL A	5736	34246	1475	612	2040	44109	10522	0	10522	54631
32	COLA 62/50%	NONE	ACOL A	5866	34036	1466	623	2040	44031	8981	0	8981	53012
33	COLA 62/50%	160--40--50	ACOL A	5394	34999	1504	580	2040	44517	10524	1275	11799	56316
34	COLA 62/33%	NONE	ACOL A	5966	33848	1456	630	2040	43940	7715	0	7715	51655
35	COLA 62/0%	NONE	ACOL A	6128	33563	1442	644	2040	43817	5940	0	5940	49757
36	COLA LIFE/75%	NONE	ACOL A	5734	34308	1400	612	2040	44094	10771	0	10771	54865
37	COLA LIFE/50%	NONE	ACOL A	5918	33948	1386	626	2040	43918	8273	0	8273	52191
38	COLA LIFE/25%	NONE	ACOL A	6072	33661	1375	641	2040	43789	6499	0	6499	50288
39	COLA LIFE/0%	NONE	ACOL A	6200	33426	1365	652	2040	43683	5210	0	5210	48893
40	COLA 62/75% + 3% PEN	NONE	ACOL A	5914	33977	1444	631	2040	44006	8269	0	8269	52275
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	5403	35062	1506	577	2040	44588	9868	1904	11772	56380
42	COLA 62/67% + 3% PEN	NONE	ACOL A	6267	34134	1409	631	2040	46481	8296	0	8296	54777
43	HIGH 3	NONE	ACOL B	5512	34772	1417	589	2040	44330	14398	0	14398	58728
44	DEC 30% (1.75 MULT)	NONE	ACOL B	6083	33637	1376	642	2040	43778	8351	0	8351	52129
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	5334	35190	1424	573	2040	44561	10484	1814	12298	56859
46	3% PEN	NONE	ACOL B	5696	34515	1387	689	2040	44247	10732	0	10732	54979
47	3% PEN	210--0--0	ACOL B	5260	35350	1425	568	2040	44643	12367	1469	13836	58479
48	COLA 62/50%	NONE	ACOL B	5868	34030	1389	624	2040	43951	9020	0	9020	52971
49	COLA 62/50%	160-40-50	ACOL B	5367	35070	1423	577	2040	44477	10616	1290	11906	56383
50	COLA 62/75% + 3% PEN	NONE	ACOL B	5842	34157	1378	622	2040	44039	8534	0	8534	52573

SERVICE: DOD COMMUNITY: BOTH

COSTS IN $ MILLIONS

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	5343	35231	1429	568	2040	44611	10343	1933	12276	56887
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	8397	33820	1409	664	0	44296	9216	0	9216	53506
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	7627	35382	1409	608	0	45026	10798	1841	12639	57665
54	3% PEN	NONE	DMSM(ACOL B)	8000	34659	1408	641	0	44708	10694	0	10694	55402
55	3% PEN	210--0--0	DMSM(ACOL B)	7552	35522	1409	605	0	45088	11991	1496	13487	58575
56	COLA 62/50%	NONE	DMSM(ACOL B)	8175	34200	1409	648	0	44432	9442	0	9442	53874
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	7661	35278	1409	611	0	44959	10742	1319	12061	57020
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	8150	34279	1409	649	0	44487	8346	0	8346	52833
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DMSM(ACOL B)	7632	35389	1409	603	0	45053	10159	1966	12125	57158
60	SS OFFSET=1.25%/YR	NONE	ACOL A	5687	34481	1470	609	2040	44287	10710	0	10710	54997
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	5395	35353	1478	585	2040	44851	14264	0	14264	59115
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	5366	35862	1461	579	2040	45308	14424	0	14424	59732
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	5573	35594	1434	601	2040	45242	12913	0	12913	58155
64	VEST 22,AFTER SHIFT	NONE	ACOL A	6129	33467	1417	650	2040	43703	8401	0	8401	52104
65	VEST 24,AFTER SHIFT	NONE	ACOL A	6486	32845	1393	676	2040	43440	6347	0	6347	49787
66	VEST 30,AFTER SHIFT	NONE	ACOL A	7056	32113	1356	709	2040	43274	4335	0	4335	47609
67	RMA	NONE	ACOL A	5692	34473	1393	606	2040	44204	11550	0	11550	55754
68	USRBA W/O LOAN	NONE	ACOL A	5739	34415	1393	609	2040	44196	11738	0	11738	55934
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	5383	35057	1418	578	2040	44475	12746	1126	13872	58348
70	PPSSCC OSD 248	NONE	ACOL A	6091	33610	1426	648	2040	43815	3465	0	3465	47280
71	PPSSCC USAF 1.9%	NONE	ACOL A	6534	33123	1402	671	2040	43770	3098	0	3098	46868

SERVICE: DOD COMMUNITY: BOTH

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	FW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	5458	34963	1420	584	2040	44465	15159	0	15159	59624
3	HIGH 3	NONE	ACOL A	55	-223	78	6	0	-84	-841	0	-841	-925
4	DEC 10%	NONE	ACOL A	242	-606	64	24	0	-276	-2966	[illegible]	-2966	-3242
5	DEC 20%	NONE	ACOL A	426	-958	48	40	0	-444	-4929	[illegible]	-4929	-5373
6	DEC 20%	150--30--70	ACOL A	-8	-99	83	1	0	-23	-3506	1193	-2313	-2336
7	DEC 30%	NONE	ACOL A	614	-1290	31	55	0	-590	-6748	[illegible]	-6748	-7338
8	DEC 30%	210--0--0	ACOL A	105	-484	85	9	0	-285	-5181	1471	-3710	-3995
9	DEC 30%	210--60--100	ACOL A	-78	109	84	-4	0	111	-4830	1781	-3049	-2938
10	DEC 40%	NONE	ACOL A	799	-1590	16	68	0	-707	-8433	[illegible]	-8433	-9140
11	DEC 50%	NONE	ACOL A	983	-1869	2	80	0	-804	-9904	[illegible]	-9904	-10708
12	10% PENALTY	NONE	ACOL A	170	-391	63	15	0	-143	-2335	[illegible]	-2335	-2478
13	1% PEN	90--0--0	ACOL A	-41	-21	84	-4	0	18	-1468	624	-844	-826
14	2% PEN	NONE	ACOL A	261	-548	46	30	0	-211	-3670	[illegible]	-3670	-3881
15	2% PEN	150--0--0	ACOL A	-77	76	84	-4	0	79	-2337	1034	-1303	-1224
16	3% PEN	NONE	ACOL A	309	-655	33	37	0	-276	-4768	[illegible]	-4768	-5044
17	3% PEN	210--0--0	ACOL A	-134	196	84	-6	0	140	-3101	1442	-1659	-1519
18	4% PEN	NONE	ACOL A	338	-661	26	37	0	-260	-5851	[illegible]	-5851	-6111
19	4% PEN	270--0--0	ACOL A	-767	431	84	-21	0	-293	-3664	1960	-1804	-2097
20	5% PEN	NONE	ACOL A	343	-616	24	34	0	-215	-6109	[illegible]	-6109	-6324
21	6% PEN	NONE	ACOL A	345	-538	22	32	0	-139	-6471	[illegible]	-6471	-6610
22	6% PEN	390--0--0	ACOL A	-840	1059	95	-37	0	677	-4201	2741	-1460	-783
23	COLA 30/90%	NONE	ACOL A	97	-292	73	10	0	-112	-1538	[illegible]	-1538	-1650
24	COLA 30/75%	NONE	ACOL A	159	-397	65	17	0	-156	-2517	[illegible]	-2517	-2673
25	COLA 30/67%	NONE	ACOL A	190	-450	62	20	0	-178	-3001	[illegible]	-3001	-3179
26	COLA 30/50%	NONE	ACOL A	248	-559	52	26	0	-233	-3955	[illegible]	-3955	-4188
27	COLA 30/33%	NONE	ACOL A	317	-661	46	32	0	-266	-4817	[illegible]	-4817	-5083
28	COLA 30/0%	NONE	ACOL A	357	-798	35	38	0	-368	-6189	[illegible]	-6189	-6557
29	COLA 62/90%	NONE	ACOL A	132	-385	70	14	0	-169	-2423	[illegible]	-2423	-2592
30	COLA 62/75%	NONE	ACOL A	284	-609	60	23	0	-282	-4056	[illegible]	-4056	-4338
31	COLA 62/67%	NONE	ACOL A	278	-717	55	28	0	-356	-4637	[illegible]	-4637	-4993
32	COLA 62/50%	NONE	ACOL A	408	-927	46	39	0	-434	-6178	[illegible]	-6178	-6612
33	COLA 62/50%	160--40--50	ACOL A	-64	36	84	-4	0	52	-4635	1275	-3360	-3308
34	COLA 62/33%	NONE	ACOL A	508	-1115	36	46	0	-525	-7444	[illegible]	-7444	-7969
35	COLA 62/0%	NONE	ACOL A	670	-1400	22	60	0	-648	-9219	[illegible]	-9219	-9867
36	COLA LIFE/75%	NONE	ACOL A	276	-655	-20	28	0	-371	-4388	[illegible]	-4388	-4759
37	COLA LIFE/50%	NONE	ACOL A	460	-1015	-34	42	0	-547	-6886	[illegible]	-6886	-7433
38	COLA LIFE/33%	NONE	ACOL A	614	-1302	-45	57	0	-676	-8660	[illegible]	-8660	-9336
39	COLA LIFE/0%	NONE	ACOL A	742	-1537	-55	68	0	-782	-9949	[illegible]	-9949	-10731
40	COLA 62/75% + 3% PEN	NONE	ACOL A	456	-986	24	47	0	-459	-6890	[illegible]	-6890	-7349
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	-55	99	86	-7	0	123	-5271	1934	-3337	-3244
42	COLA 62/67% + 3% PEN	NONE	ACOL A	2809	-829	-11	47	0	2016	-6863	[illegible]	-6863	-4847
43	HIGH 3	NONE	ACOL B	54	-191	-3	5	0	-135	-761	[illegible]	-761	-896
44	DEC 30% (1.75 MULT)	NONE	ACOL B	625	-1326	-44	58	0	-687	-6808	[illegible]	-6808	-7495
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-124	227	4	-11	0	96	-4675	1914	-2861	-2765
46	3% PEN	NONE	ACOL B	238	-448	-33	25	0	-218	-4427	[illegible]	-4427	-4645
47	3% PEN	210--0--0	ACOL B	-198	387	5	-16	0	178	-2792	1469	-1323	-1145
48	COLA 62/50%	NONE	ACOL B	410	-933	-31	40	0	-514	-6139	[illegible]	-6139	-6653
49	COLA 62/50%	160-40-50	ACOL B	-91	107	3	-7	0	12	-4543	1278	-3253	-3241
50	COLA 62/75% + 3% PEN	NONE	ACOL B	384	-806	-42	38	0	-426	-6625	[illegible]	-6625	-7051

SERVICE: DOD COMMUNITY: BOTH

$ DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	CW	TOTPET	TOTAL
51	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	ACOL B	-115	268	9	-16	0	146	-4816	1933	-2883	-2737
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	2939	-1143	-11	80	-2040	-175	-5943	0	-5943	-6118
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	2169	419	-17	24	-2040	561	-4361	1841	-2520	-1959
54	3% PEN	NONE	DMSM(ACOL B)	2582	-304	-12	57	-2040	243	-4465	0	-4465	-4222
55	3% PEN	210--0--0	DMSM(ACOL B)	2094	559	-11	21	-2040	623	-3168	1496	-1672	-1049
56	COLA 62/50%	NONE	DMSM(ACOL B)	2717	-763	-11	64	-2040	-33	-5717	0	-5717	-5759
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	2203	315	-11	27	-2040	494	-4417	1319	-3098	-2604
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	2692	-684	-11	65	-2040	22	-6813	0	-6813	-6791
59	COLA 62/75% + 3% PEN	200(O)/300(E)--0--0	DMSM(ACOL B)	2178	426	-11	19	-2040	568	-5000	1966	-3034	-2466
60	SS OFFSET=1.25%/YR	NONE	ACOL A	229	-482	58	25	0	-178	-4449	0	-4449	-4627
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-63	390	58	1	0	386	-895	0	-895	-509
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-92	899	47	-5	0	843	-735	0	-735	108
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	135	631	14	17	0	777	-2246	0	-2246	-1469
64	VEST 22,AFTER SHIFT	NONE	ACOL A	671	-1496	-3	66	0	-762	-6758	0	-6758	-7520
65	VEST 24,AFTER SHIFT	NONE	ACOL A	1028	-2118	-27	92	0	-1025	-8812	0	-8812	-9837
66	VEST 30,AFTER SHIFT	NONE	ACOL A	1598	-2850	-64	125	0	-1191	-10824	0	-10824	-12015
67	RMA	NONE	ACOL A	234	-490	-27	22	0	-261	-3609	0	-3609	-3870
68	USRBA W/O LOAN	NONE	ACOL A	281	-548	-27	25	0	-269	-3421	0	-3421	-3690
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-75	94	-2	-6	0	11	-2413	1126	-1287	-1276
70	PPSSCC OSD 248	NONE	ACOL A	633	-1353	6	64	0	-650	-11694	0	-11694	-12344
71	PPSSCC USAF 1.9%	NONE	ACOL A	1076	-1840	-18	87	0	-695	-12061	0	-12061	-12756

SERVICE: DOD COMMUNITY: BOTH

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
2	TERM PAY	NONE	ACOL A/B	5458	34963	1420	584	2040	44465	15159	0	15159	59624
3	HIGH 3	NONE	ACOL A	1	-1	0	1	0	0	-6	0	-6	-2
4	DEC 10%	NONE	ACOL A	4	-2	5	4	0	-1	-20	0	-20	-5
5	DEC 20%	NONE	ACOL A	8	-3	3	7	0	-1	-33	0	-33	-9
6	DEC 20%	150--30--70	ACOL A	6	0	6	0	0	0	-23	******	-15	-4
7	DEC 30%	NONE	ACOL A	11	-4	2	9	0	-1	-45	0	-45	-12
8	DEC 30%	210--0--0	ACOL A	2	-1	6	2	0	-1	-34	******	-24	-7
9	DEC 30%	210--60--100	ACOL A	-1	0	6	-1	0	0	-32	******	-20	-5
10	DEC 40%	NONE	ACOL A	15	-5	1	12	0	-2	-56	0	-56	-15
11	DEC 50%	NONE	ACOL A	18	-5	0	14	0	-2	-65	0	-65	-18
12	1% PENALTY	NONE	ACOL A	3	-1	4	3	0	0	-15	0	-15	-4
13	1% PEN	90--0--0	ACOL A	-1	0	6	-1	0	0	-10	******	-6	-1
14	2% PEN	NONE	ACOL A	5	-2	3	5	0	0	-24	0	-24	-7
15	2% PEN	150--0--0	ACOL A	-1	0	6	-1	0	0	-15	******	-9	-2
16	3% PEN	NONE	ACOL A	6	-2	2	6	0	-1	-31	0	-31	-8
17	3% PEN	210--0--0	ACOL A	-2	1	6	-1	0	0	-20	******	-11	-3
18	4% PEN	NONE	ACOL A	6	-2	2	6	0	-1	-39	0	-39	-10
19	4% PEN	270--0--0	ACOL A	-14	1	6	-4	0	-1	-24	******	-12	-4
20	5% PEN	NONE	ACOL A	6	-2	2	6	0	0	-40	0	-40	-11
21	6% PEN	NONE	ACOL A	6	-2	2	5	0	0	-43	0	-43	-11
22	6% PEN	390--0--0	ACOL A	-8	3	7	-6	0	2	-28	******	-10	-1
23	COLA 30/90%	NONE	ACOL A	2	-1	5	2	0	0	-10	0	-10	-3
24	COLA 30/75%	NONE	ACOL A	3	-1	5	3	0	0	-17	0	-17	-4
25	COLA 30/67%	NONE	ACOL A	3	-1	4	3	0	0	-20	0	-20	-5
26	COLA 30/50%	NONE	ACOL A	5	-2	4	4	0	-1	-26	0	-26	-7
27	COLA 30/33%	NONE	ACOL A	6	-2	3	5	0	-1	-32	0	-32	-9
28	COLA 30/0%	NONE	ACOL A	7	-2	2	7	0	-1	-41	0	-41	-11
29	COLA 62/90%	NONE	ACOL A	2	-1	5	2	0	0	-16	0	-16	-4
30	COLA 62/75%	NONE	ACOL A	4	-2	4	4	0	-1	-27	0	-27	-7
31	COLA 62/67%	NONE	ACOL A	5	-2	4	5	0	-1	-31	0	-31	-8
32	COLA 62/50%	NONE	ACOL A	7	-3	3	7	0	-1	-41	0	-41	-11
33	COLA 62/50%	160--40--50	ACOL A	-1	0	6	-1	0	0	-31	******	-22	-6
34	COLA 62/33%	NONE	ACOL A	9	-3	3	8	0	-1	-49	0	-49	-13
35	COLA 62/0%	NONE	ACOL A	12	-4	2	10	0	-1	-61	0	-61	-17
36	COLA LIFE/75%	NONE	ACOL A	5	-2	-1	5	0	-1	-29	0	-29	-8
37	COLA LIFE/50%	NONE	ACOL A	8	-3	-2	7	0	-1	-45	0	-45	-12
38	COLA LIFE/25%	NONE	ACOL A	11	-4	-3	10	0	-2	-57	0	-57	-16
39	COLA LIFE/0%	NONE	ACOL A	14	-4	-4	12	0	-2	-66	0	-66	-18
40	COLA 62/75% + 3% PEN	NONE	ACOL A	8	-3	2	8	0	-1	-45	0	-45	-12
41	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL A	-1	0	6	-1	0	0	-35	******	-22	-5
42	COLA 62/67% + 3% PEN	NONE	ACOL A	51	-2	-1	8	0	5	-45	0	-45	-8
43	HIGH 3	NONE	ACOL B	1	-1	0	1	0	0	-5	0	-5	-2
44	DEC 30% (1.75 MULT)	NONE	ACOL B	11	-4	-3	10	0	-2	-45	0	-45	-13
45	DEC 30% (1.75 MULT)	210--60--100	ACOL B	-2	1	0	-2	0	0	-31	******	-19	-5
46	3% PEN	NONE	ACOL B	4	-1	-2	4	0	0	-29	0	-29	-8
47	3% PEN	210--0--0	ACOL B	-4	1	0	-3	0	0	-18	******	-9	-2
48	COLA 62/50%	NONE	ACOL B	8	-3	-2	7	0	-1	-40	0	-40	-11
49	COLA 62/50%	160-40-50	ACOL B	-2	0	0	-1	0	0	-30	******	-21	-5
50	COLA 62/75% + 3% PEN	NONE	ACOL B	7	-2	-3	7	3	-1	-44	0	-44	-12

SERVICE: DOD COMMUNITY: BOTH

% DELTAS FROM CASE 2

REF:	RETIREMENT OPTION:	REALLOCATION OPTION:	SOURCE:	GAIN	MAINT	S&I	LOSS	FIXED	FORCE	RETMT	EW	TOTRET	TOTAL
51	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	ACOL B	-2	1	1	-3	0	0	-32	******	-19	-5
52	DEC 30% (1.75 MULT)	NONE	DMSM(ACOL B)	54	-3	-1	14	-100	0	-39	0	-39	-10
53	DEC 30% (1.75 MULT)	210-60-100	DMSM(ACOL B)	40	1	-1	4	-100	1	-29	******	-17	-3
54	3% PEN	NONE	DMSM(ACOL B)	47	-1	-1	10	-100	1	-29	0	-29	-7
55	3% PEN	210--0--0	DMSM(ACOL B)	38	2	-1	4	-100	1	-21	******	-11	-2
56	COLA 62/50%	NONE	DMSM(ACOL B)	50	-2	-1	11	-100	0	-38	0	-38	-10
57	COLA 62/50%	160--40--50	DMSM(ACOL B)	40	1	-1	5	-100	1	-29	******	-20	-4
58	COLA 62/75% + 3% PEN	NONE	DMSM(ACOL B)	49	-2	-1	11	-100	0	-45	0	-45	-11
59	COLA 62/75% + 3% PEN	200(0)/300(E)--0--0	DMSM(ACOL B)	40	1	-1	3	-100	1	-33	******	-20	-4
60	SS OFFSET=1.25%/YR	NONE	ACOL A	4	-1	4	4	0	0	-29	0	-29	-8
61	VEST 22,BEFORE SHIFT	NONE	ACOL A	-1	1	4	0	0	1	-6	0	-6	-1
62	VEST 24,BEFORE SHIFT	NONE	ACOL A	-2	3	3	-1	0	2	-5	0	-5	0
63	VEST 30,BEFORE SHIFT	NONE	ACOL A	2	2	1	3	0	2	-15	0	-15	-2
64	VEST 22,AFTER SHIFT	NONE	ACOL A	12	-4	0	11	0	-2	-45	0	-45	-13
65	VEST 24,AFTER SHIFT	NONE	ACOL A	19	-6	-2	16	0	-2	-58	0	-58	-15
66	VEST 30,AFTER SHIFT	NONE	ACOL A	29	-8	-5	21	0	-3	-71	0	-71	-20
67	RMA	NONE	ACOL A	4	-1	-2	4	0	-1	-24	0	-24	-6
68	USRBA W/O LOAN	NONE	ACOL A	5	-2	-2	4	0	-1	-23	0	-23	-6
69	USRBA WITH LOAN	LOAN OPTION	ACOL A	-1	0	0	-1	0	0	-16	******	-8	-2
70	PPSSCC OSD 24B	NONE	ACOL A	12	-4	0	11	0	-1	-77	0	-77	-21
71	PPSSCC USAF 1.9%	NONE	ACOL A	20	-5	-1	15	0	-2	-80	0	-80	-21

C. FORCE DATA. The following are additional force data in support of the analysis contained in Chapter XI. They provide a more detailed insight into the effects of the four retirement alternatives with respect to costs and force profiles. Tables L.C.1 through L.C.4 provide a comparison of the strength changes, as measured from the seven year average force levels, of the four retirement alternatives with early retirement fund withdrawal options. Table L.C.5 is a more comprehensive comparison of the alternatives, as measured from the seven year average force levels of each of the retirement alternatives. They are displayed using four methods of analysis: (1) a pure reduction without a redistribution of compensation (root); (2) using a restoral (a benefit at 30 years of service for the multiplier or a restoral at age 62 for cost of living adjustments); (3) the use of an early retirement fund withdrawal expressed as a percentage of base pay; and (4) increases to current compensation in bonus form (separate from basic pay) by either a flat percentage increase or a tapered percentage increase.

Figures L.C.1 through L.C.20 provide a graphic display of the retirement alternative force profiles for each service for officers and enlisted and at the DoD aggregate level. Figures L.C.21 through L.C.28 show the effects on the force levels due to the retirement option. These figures allow a comparison to be made by accession, mid career force (5-20 YOS), career force (5-30 YOS) and late career force (21-30 YOS) force levels. The data is also displayed u ing three percent, ten percent and tapered percentage personnel discount rates (PDR) to demonstrate the sensitivity of the PDR.

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Table L.C.1
Force and Cost Considerations

ALTERNATIVE

Reduce annual COLA adjustment to 50% of CPI vice 100% until age 62. Allows early retirement fund withdrawals of 1.6 times annual basic pay at end of 20 YOS, 0.4 times at 23rd year and 0.5 times at 27th year.

FORCE IMPACT (%)

	(YOS)	ARMY OFF / ENL	NAVY OFF / ENL	MARINES OFF / ENL	AIR FORCE OFF / ENL	DoD OFF / ENL
ACCESSIONS	(0)	- 255 /- 1478	- 175 / - 208	- 34 / - 232	- 120 / - 660	- 584 /- 2578
CAREER FORCE	(5-30+)	+ 755 /- 3412	+ 575 / + 556	+ 110 / + 612	+ 365 /+ 2118	+ 1805 /+ 6698
EARLY/MID CAREER	(5-20)	+ 111 /+ 5092	- 72 / + 1306	- 29 / + 439	- 391 /+ 3628	+ 459 /+10465
LATE CAREER	(21-30+)	+ 644 /- 1680	+ 647 / - 750	+ 81 / + 173	- 26 /- 1510	+ 1346 /- 3767

PERCENTAGE CHANGE

	(YOS)	ARMY OFF / ENL	NAVY OFF / ENL	MARINES OFF / ENL	AIR FORCE OFF / ENL	DoD OFF / ENL
ACCESSIONS	(0)	- 2.7 / - 1.1	- 2.9 / - 0.2	- 2.0 / - 0.6	- 1.4 / - 0.9	- 2.3 / - 0.8
CAREER FORCE	(5-30+)	+ 1.3 / + 1.2	+ 1.4 / + 0.3	+ 1.0 / + 1.2	+ 0.5 / + 0.9	+ 1.0 / + 0.9
EARLY/MID CAREER	(5-20)	+ 0.2 / + 1.9	- 0.2 / + 0.7	+ 0.3 / + 0.8	+ 0.6 / + 1.7	+ 0.3 / + 1.5
LATE CAREER	(21-30)	+ 9.9 / - 8.5	+ 12.4 / - 6.4	+ 7.7 / + 4.9	- 0.3 / - 7.5	+ 6.4 / - 6.8

Table L.C.2
Force and Cost Considerations

ALTERNATIVE

Reduce Multiplier to 1.75% vice 2.5% of basic pay per years of service. Allows early retirement fund withdrawals of 2.0 times annual basic pay at end of 20 YOS, 0.6 times at 23rd year and 1.0 at 27th year.

FORCE IMPACT

	(YOS)	ARMY OFF / ENL	NAVY OFF / ENL	MARINES OFF / ENL	AIR FORCE OFF / ENL	DoD OFF / ENL
ACCESSIONS	(0)	- 276 / -2916	- 207 / - 574	- 46 / - 474	- 117 / -1550	- 646 /- 5514
CAREER FORCE	(5-30+)	+ 801 / +7276	+ 676 / +1675	+ 152 / +1305	+ 334 / +5104	+ 1963 /+15360
EARLY/MID CAREER	(5-20)	+ 385 / +5826	+ 23 / + 767	+ 41 / +1048	+ 750 / +3251	+ 1199 /+10892
LATE CAREER	(21-30)	+ 416 / +1450	+ 653 / + 908	+ 111 / + 257	- 416 / +1853	+ 764 /+ 4468

PERCENTAGE CHANGE

	(YOS)	ARMY OFF / ENL	NAVY OFF / ENL	MARINES OFF / ENL	AIR FORCE OFF / ENL	DoD OFF / ENL
ACCESSIONS	(0)	- 3.0 / - 2.2	- 3.4 / - 0.6	- 2.6 / - 1.2	- 1.4 / - 2.2	- 2.5 / - 1.7
CAREER FORCE	(5-30+)	+ 1.4 / + 2.5	+ 1.7 / + 0.9	+ 1.4 / + 2.5	+ 0.5 / + 2.1	+ 1.1 /+ 2.0
EARLY/MID CAREER	(5-20)	+ 0.8 / + 2.2	+ 0.1 / + 0.4	+ 0.4 / + 2.1	+ 1.2 / + 1.5	+ 0.8 /+ 1.5
LATE CAREER	(21-30)	+ 6.4 / + 7.3	+ 12.5 / + 7.7	+ 10.5 / + 7.3	- 5.1 / + 9.2	+ 3.6 / + 8.1

Table L.C.3
Force and Cost Considerations

ALTERNATIVE

Reduce Pre-30 YOS retiree benefit by 3% per year, i.e. 35% of basic pay at 20 YOS vice 50%.

Allows an early retirement fund withdrawal at end of 20th year of 2.1 times annual basic pay.

FORCE IMPACT

	(YOS)	ARMY OFF / ENL	NAVY OFF / ENL	MARINES OFF / ENL	AIR FORCE OFF / ENL	DoD OFF / ENL
ACCESSIONS	(0)	- 430 / -4194	- 313 / -1183	- 64 / - 770	- 318 / -1927	- 1125 /- 8074
CAREER FORCE	(5-30+)	+ 1310 /+10622	+ 1046 / +3550	+ 216 / +2189	+1053 / +6370	+ 3625 /+22731
EARLY/MID CAREER	(5-20)	- 97 / +7881	- 373 / +1667	- / +1175	- 292 / +5372	- 762 /+16095
LATE CAREER	(21-30)	+ 1407 / +2741	+ 1419 / +1883	+ 216 / +1014	+1345 / + 998	+ 4387 /+ 6636

PERCENTAGE CHANGE

	(YOS)	ARMY OFF / ENL	NAVY OFF / ENL	MARINES OFF / ENL	AIR FORCE OFF / ENL	DoD OFF / ENL
ACCESSIONS	(0)	- 4.6 / - 3.1	- 5.1 / - 1.3	- 3.7 / - 2.0	- 3.7 / - 2.8	- 4.4 / - 2.4
CAREER FORCE	(5-30+)	+ 2.3 / + 3.7	+ 2.6 / + 1.8	+ 2.0 / + 4.2	+ 1.5 / + 2.7	+ 2.1 / + 2.9
EARLY/MID CAREER	(5-20)	- 0.2 / + 3.0	- 1.1 / + 0.9	- / + 2.4	- 0.5 / + 2.4	- 0.5 / + 2.2
LATE CAREER	(21-30)	+ 21.7 / +13.8	+ 27.2 / +16.1	+ 20.4 / +29.0	+ 16.4 / + 4.9	+ 20.9 / +12.0

Table L.C.4
Force and Cost Considerations

ALTERNATIVE

Reduces COLA adjustment to 75% until age 62, reduces PRE-30 YOS retiree benefit by 3% per year and allows an early retirement withdrawal of 2.0 times annual basic pay for officers and 3.0 times for enlisted of annual basic pay at end of 20 YOS.

FORCE IMPACT Restores about all losses including HI-3. Most like objective force.

	(YOS)	ARMY OFF / ENL	NAVY OFF / ENL	MARINES OFF / ENL	AIR FORCE OFF / ENL	DoD OFF / ENL
ACCESSIONS	(0)	- 156 / -4974	- 128 / -1666	- 21 / -1084	- 46 / -2054	- 361 / -9778
CAREER FORCE	(5-30+)	+ 441 /+12617	+ 402 / +5039	+ 64 / +3115	+ 90 / +6795	+ 997 /+27566
EARLY/MID CAREER	(5-20)	- 105 /+12044	- 408 / +4966	- 14 / +2651	- 176 / +8223	- 703 /+27884
LATE CAREER	(21-30)	+ 546 / + 573	+ 810 / + 73	+ 78 / + 464	+ 266 / -1428	+1700 / - 318

PERCENTAGE CHANGE

	(YOS)	ARMY OFF / ENL	NAVY OFF / ENL	MARINES OFF / ENL	AIR FORCE OFF / ENL	DoD OFF / ENL
ACCESSIONS	(0)	- 1.8 / - 3.7	- 2.1 / - 1.9	- 1.2 / - 2.8	- 0.5 / - 2.9	- 1.4 / - 2.9
CAREER FORCE	(5-30+)	+ 0.8 / + 4.4	+ 1.0 / + 2.6	+ 0.8 / + 5.9	+ 0.1 / + 2.8	+ 0.6 / + 3.6
EARLY/MID CAREER	(5-20)	- 0.2 / + 4.5	- 1.2 / + 2.7	- 0.1 / + 5.4	- 0.3 / + 3.7	- 0.5 / + 3.9
LATE CAREER	(21-30)	+ 8.4 / + 2.9	+ 15.5 / + 0.6	+ 7.4 / +13.3	+ 3.2 / - 7.1	+ 8.1 / - 0.6

Table L.C.5
Strength Changes For Four Retirement Alternatives
(DoD Force Profile)

Alternative		ROOT		RESTORAL		Early Withdrawal		Current Compensation: Flat		Current Compensation: Taper	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
5% COLA Until Age 62	Accessions	+ 2,150	+21,317	+ 857	+ 6,606	- 584	- 2,578	+ 665	+ 8,973	- 347	+ 243
	Career Force	- 7,303	-63,885	- 2,888	-49,935	+ 1,805	+ 6,698	- 2,538	-28,072	+ 910	- 2,185
	5-20 YOS	- 2,472	-36,567	- 1,428	-28,405	+ 459	+10,465	- 793	- 9,497	- 632	+ 5,734
	21-30 YOS	- 5,163	-27,167	- 1,941	-21,529	+ 435	- 4,255	- 2,516	-18,701	+ 168	- 3,589
	31+ YOS	+ 332	- 151	+ 481	- 1	+ 911	+ 488	+ 771	+ 126	+ 1,374	+ 671
1.75% Multiplier	Accessions	+ 3,472	+29,281	+ 1,916	+11,817	- 646	- 5,514	+ 1,492	+13,947	+ 179	+ 3,079
	Career Force	-11,744	-87,477	- 6,727	-35,472	+ 1,963	+15,360	- 5,430	-43,073	- 962	-10,896
	5-20 YOS	- 2,994	-53,497	- 4,544	-50,381	+ 1,119	+10,892	- 124	-16,684	+ 506	+ 4,122
	21-30 YOS	- 8,622	-34,675	- 3,359	+13,653	+ 246	+ 4,044	- 5,525	-26,240	- 2,240	-15,294
	31+ YOS	- 130	- 305	+ 1,176	+ 1,256	+ 518	+ 424	+ 219	- 149	+ 772	+ 276
3% Pre-30 YOS	Accessions	+ 1,261	+13,548	+ 796	+ 9,282	- 1,125	- 8,074	- 706	-5,446	- 2,051	-20,229
	Career Force	- 4,381	-41,146	- 2,722	-28,150	+ 3,625	+22,731	+ 2,039	+14,510	+ 6,690	+58,697
	5-20 YOS	- 4,820	-26,788	- 5,446	-35,296	- 762	+16,095	- 3,202	- 2,652	- 3,479	+15,812
	21-30 YOS	- 528	- 4,839	+ 1,857	+ 6,599	+ 3,141	+ 5,955	+ 3,431	+15,630	+ 7,241	+29,574
	31+ YOS	+ 967	+ 481	+ 867	+ 547	+ 1,246	+ 681	+ 1,810	+ 1,532	+ 2,918	+ 3,511
75% COLA Until Age 62 Plus -3% Pre-30 YOS	Accessions	+ 2,056	+20,854	+ 1,240	+14,534	- 361	- 9,778	- 464	- 2,468	- 2,154	-20,834
	Career Force	- 7,105	-62,864	- 4,249	-43,855	+ 997	+27,566	+ 1,112	+ 5,371	+ 6,969	+60,474
	5-20 YOS	- 4,848	-48,905	- 5,668	-42,847	- 703	+27,884	- 2,538	- 4,896	- 2,938	+18,598
	21-30 YOS	- 3,117	-14,247	+ 477	- 1,528	+ 542	- 845	+ 1,717	+ 8,716	+ 6,446	+37,462
	31+ YOS	+ 860	+ 288	+ 942	+ 520	+ 1,158	+ 527	+ 1,943	+ 1,551	+ 3,461	+ 4,614

Figure L-C-1

DOD OFFICER STRENGTH

5 – 30 YOS

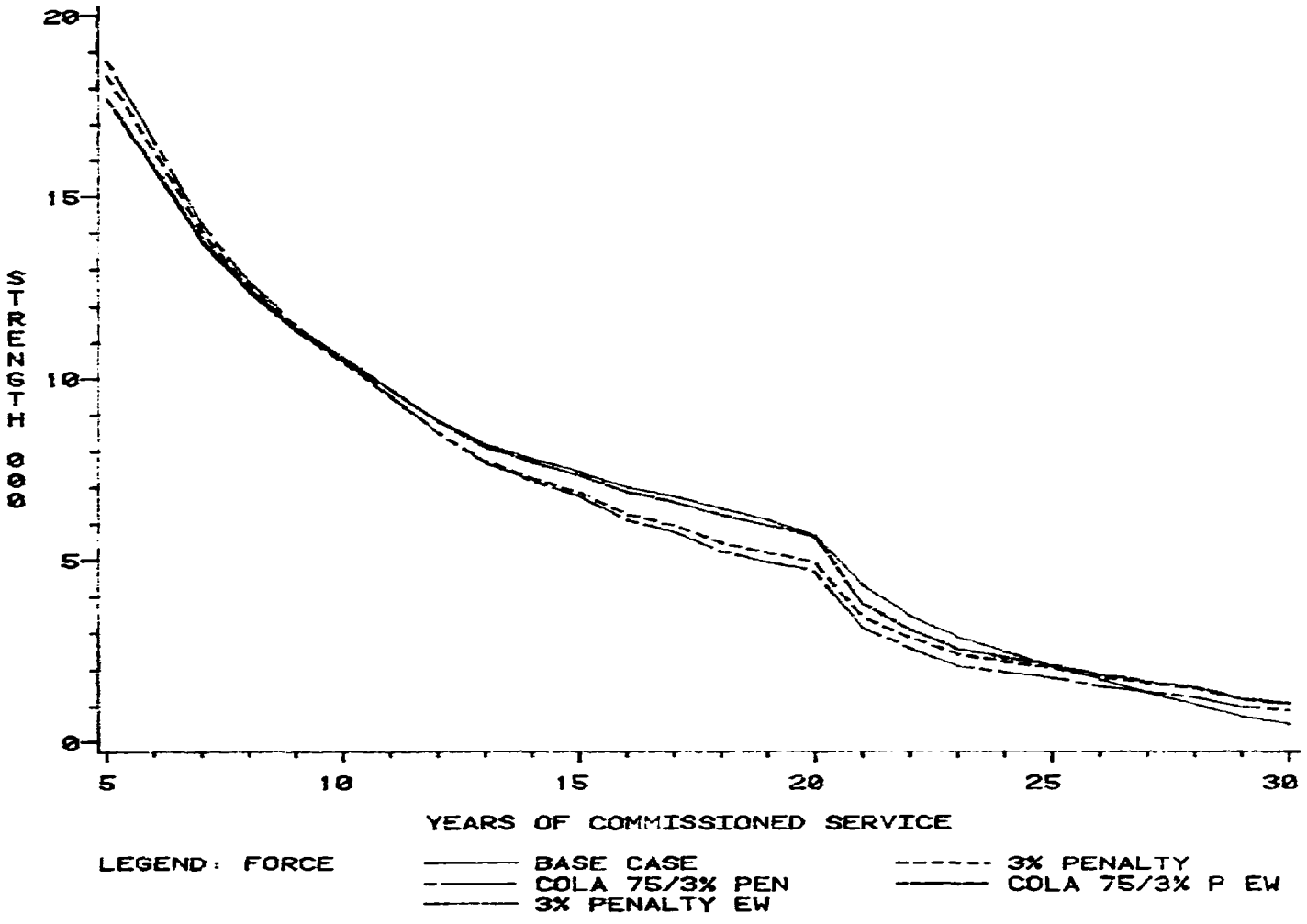


Figure L-C-2

ARMY OFFICER STRENGTH

5 – 30 YOS

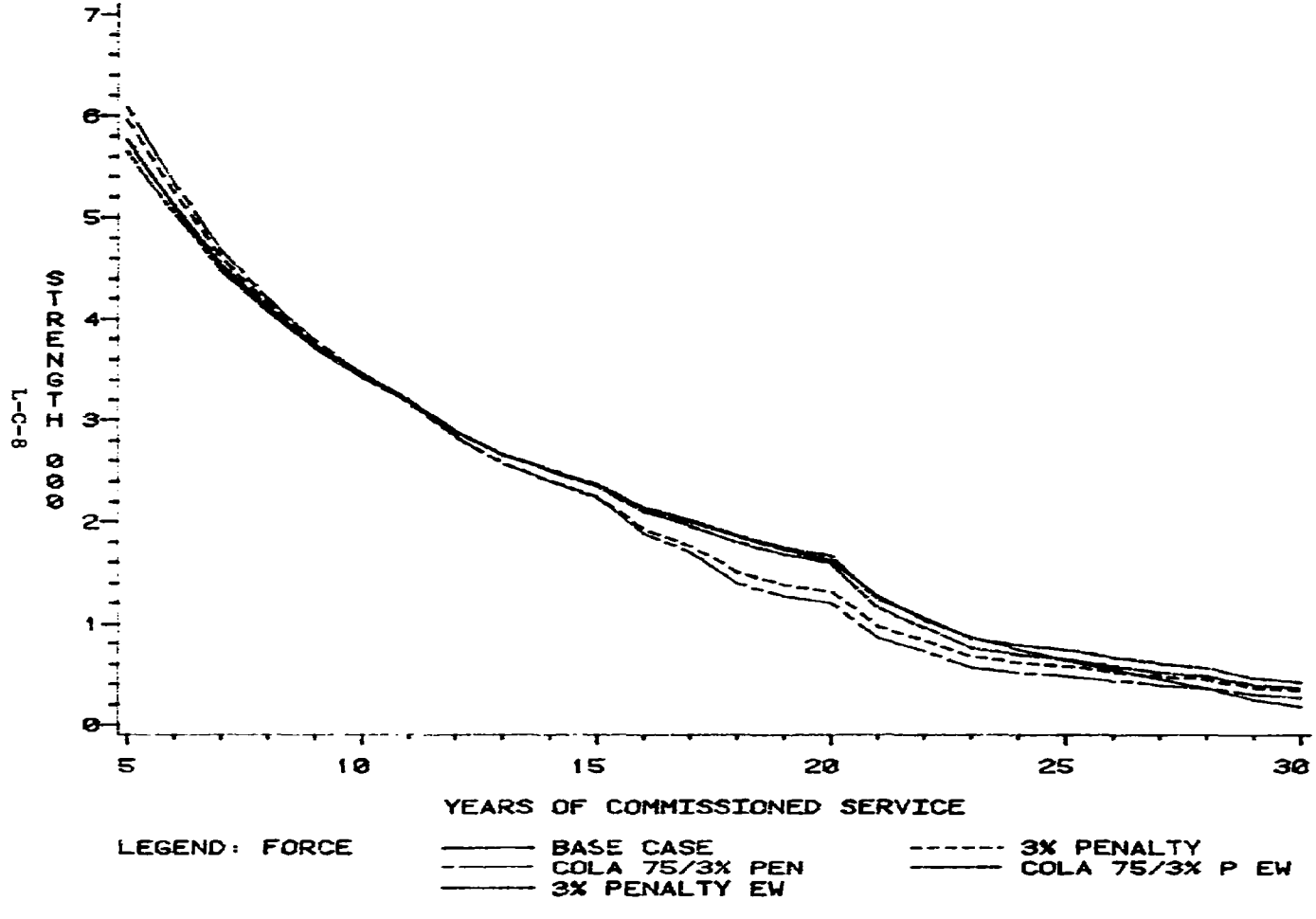


Figure L-C-3

NAVY OFFICER STRENGTH

5 – 30 YOS

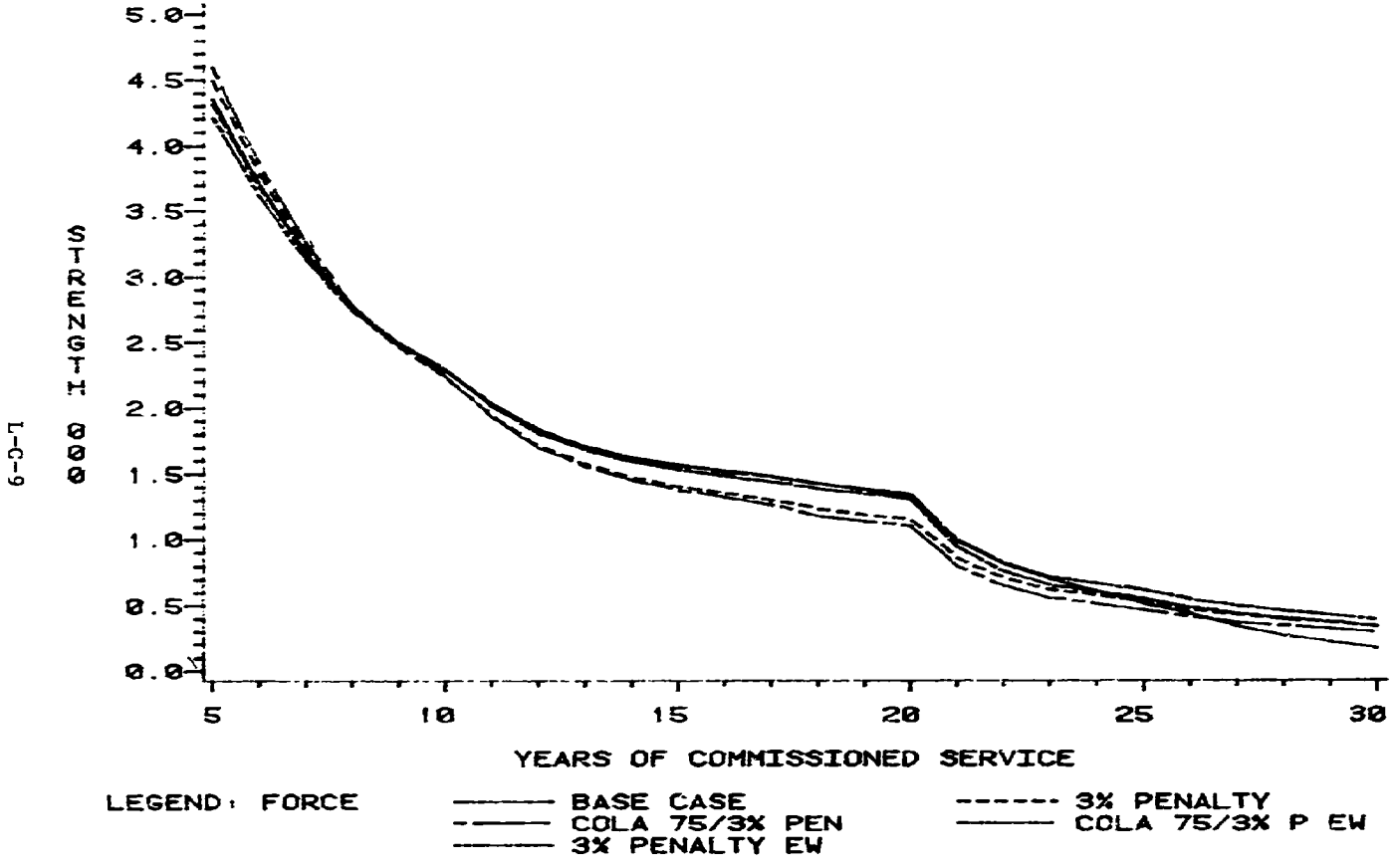


Figure L-C-4

USMC OFFICER STRENGTH

5 – 30 YOS

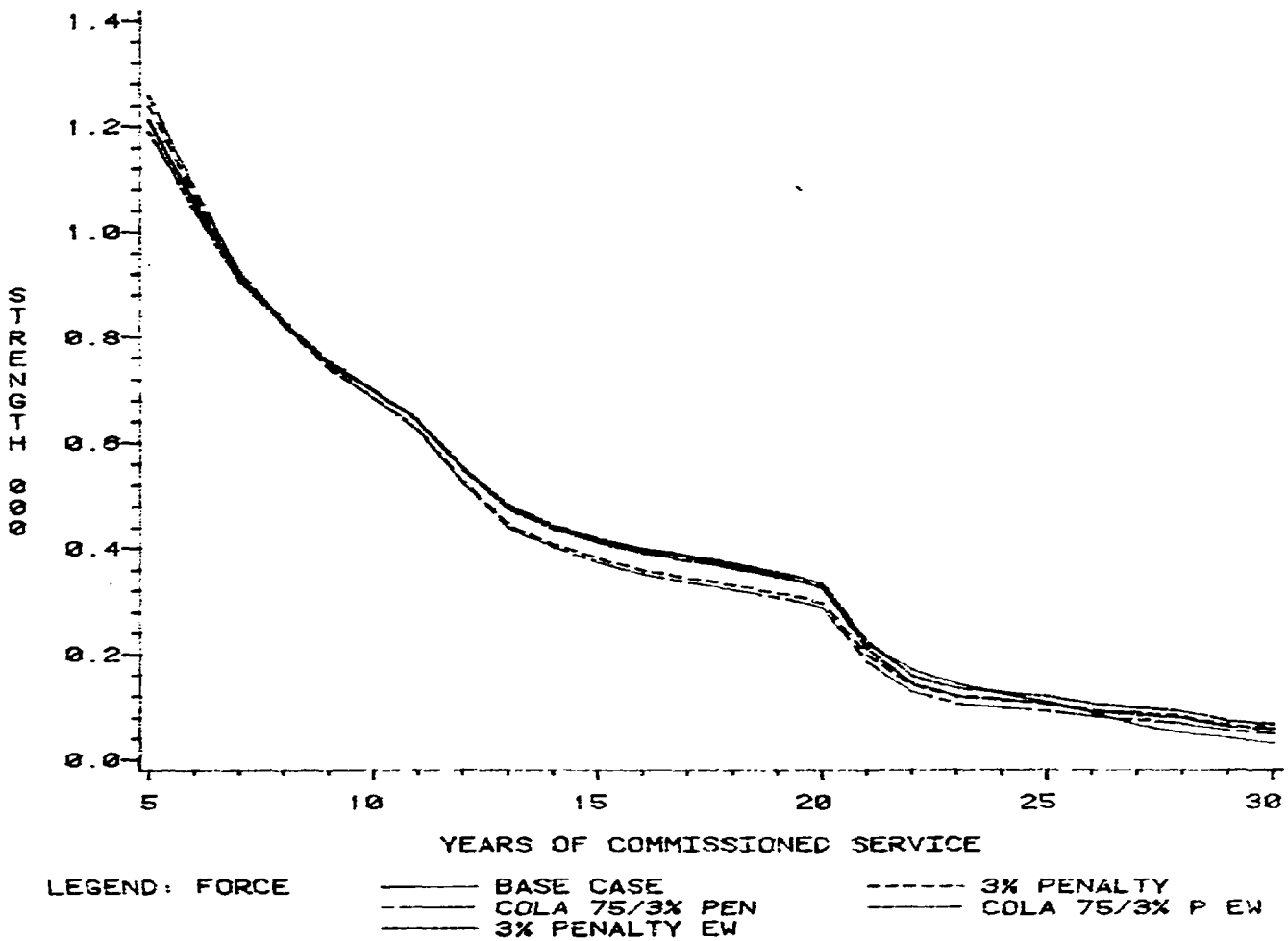


Figure L-C-5

USAF OFFICER STRENGTH

5 – 30 YOS

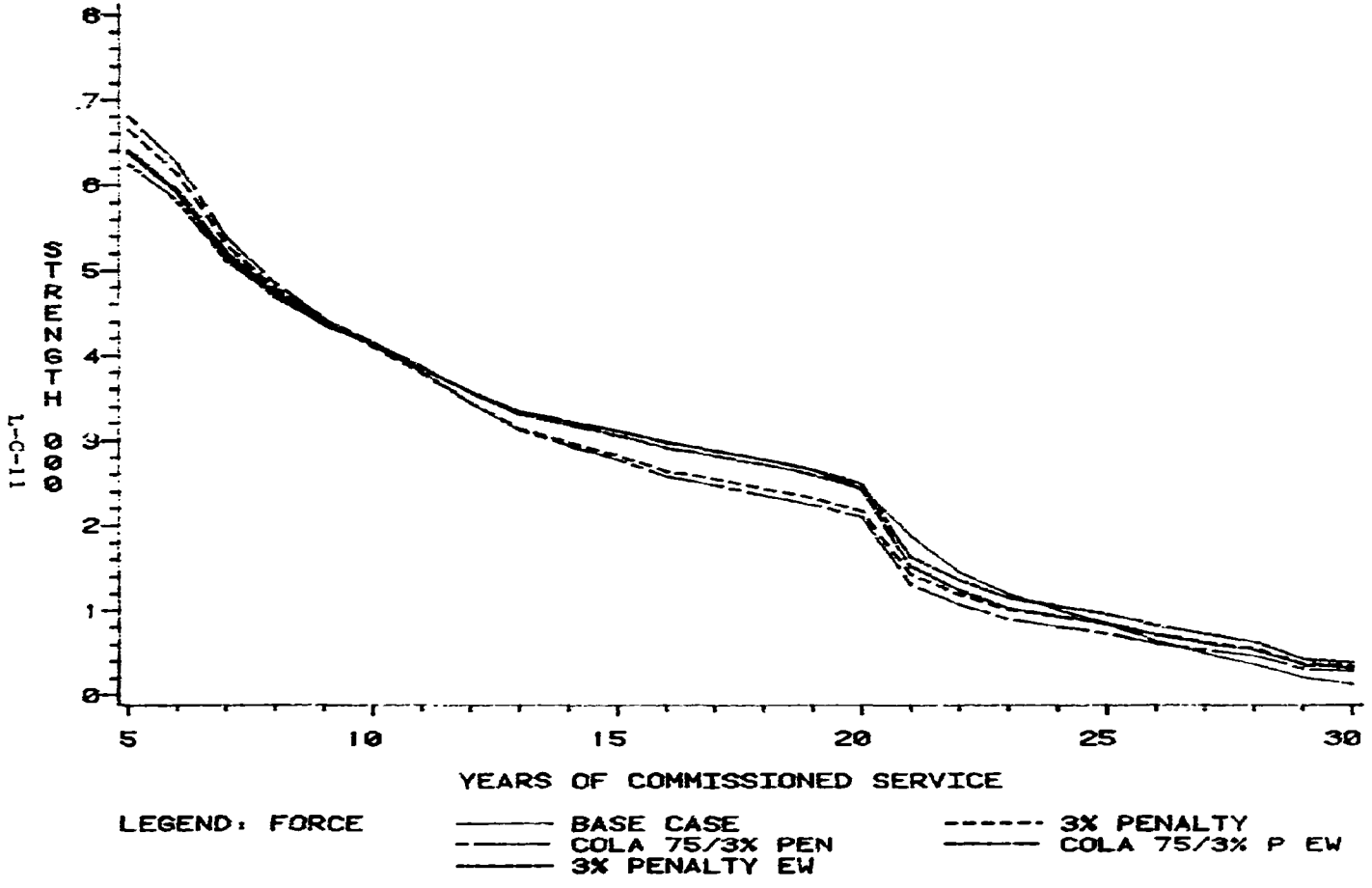


Figure I-C-6

DOD OFFICER STRENGTH

5 – 30 YOS

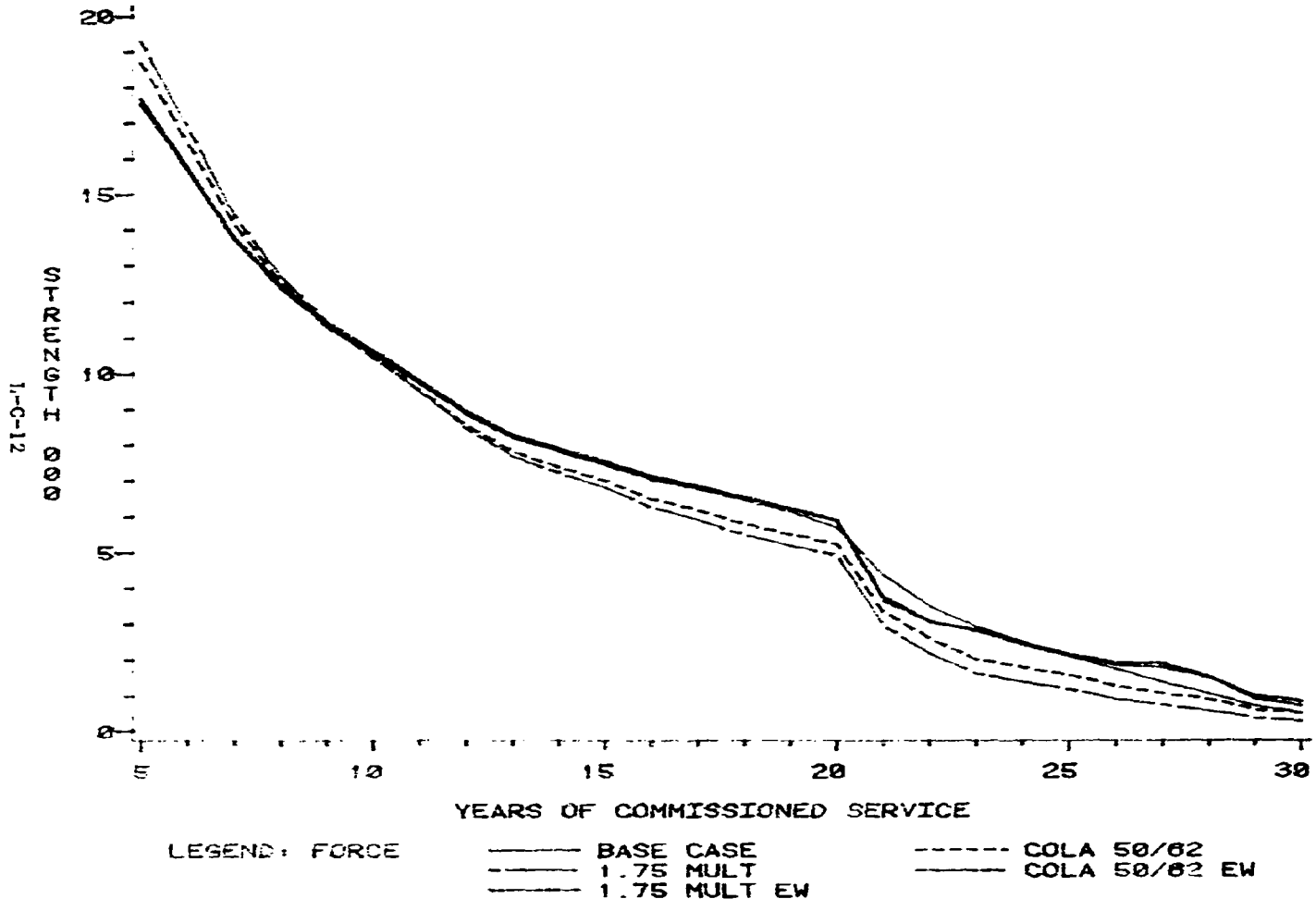


Figure L-C-7

ARMY OFFICER STRENGTH

5 – 30 YOS

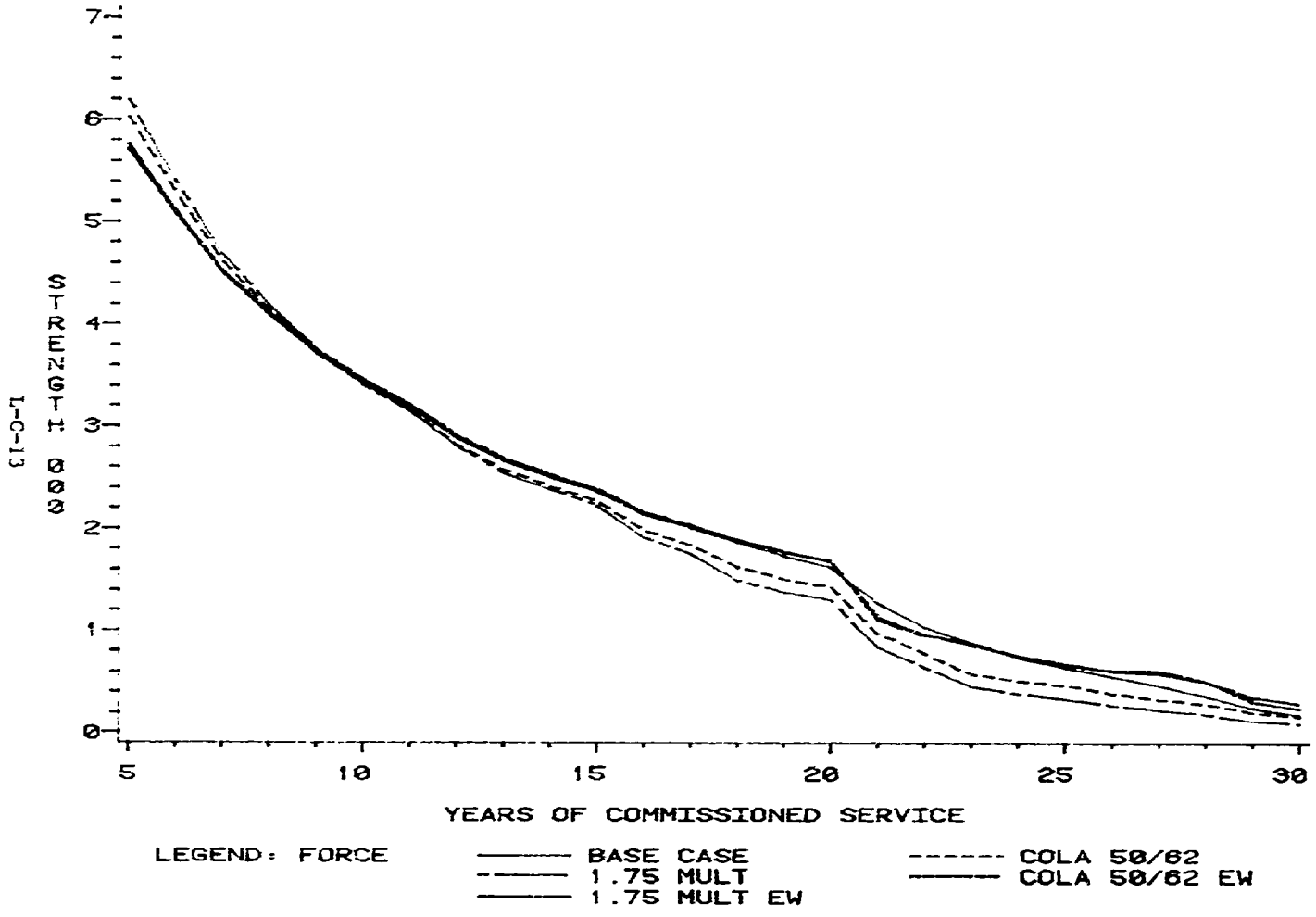


Figure L-C-8

NAVY OFFICER STRENGTH

5 – 30 YOS

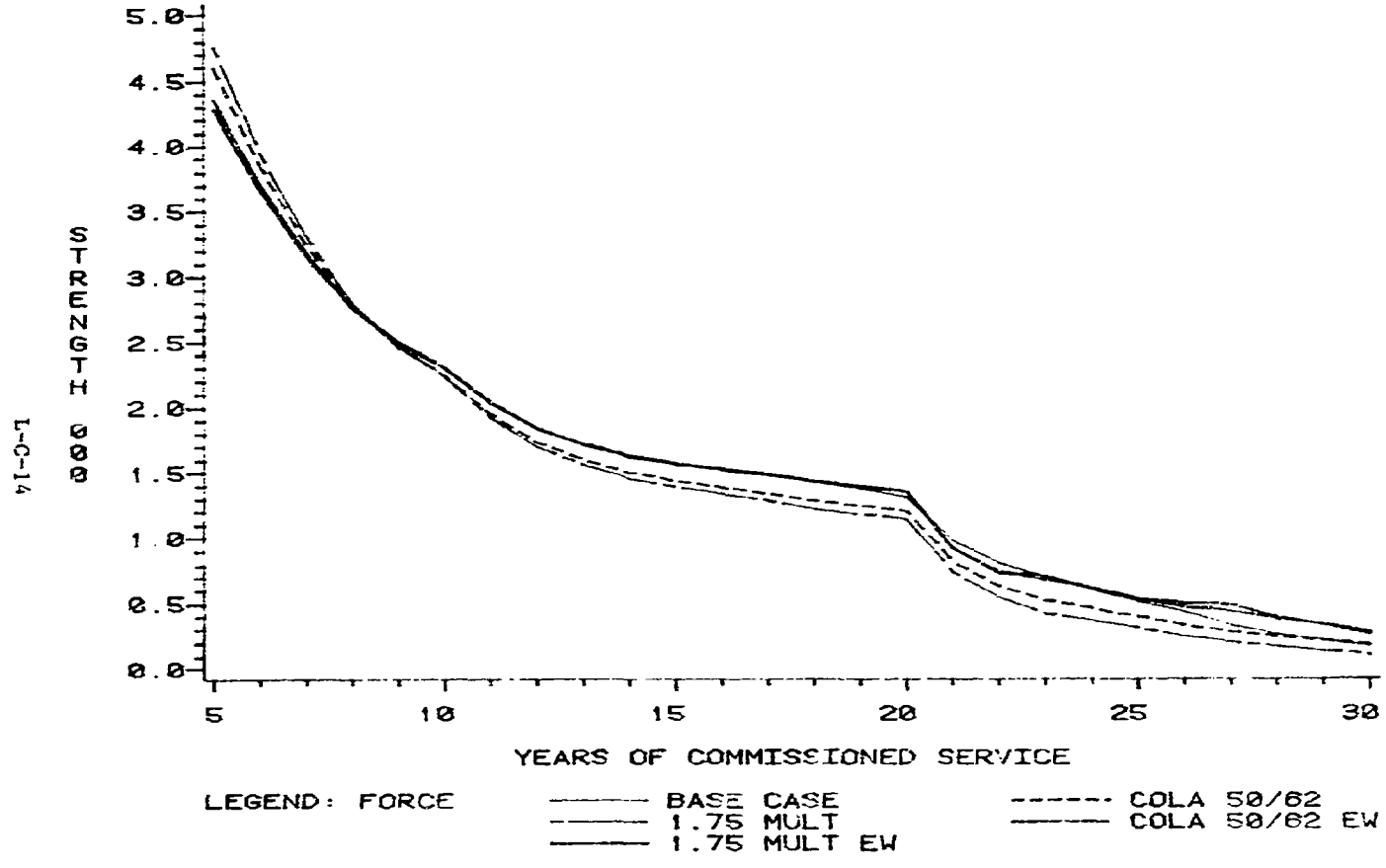


Figure L-C-9

USMC OFFICER STRENGTH

5 – 30 YOS

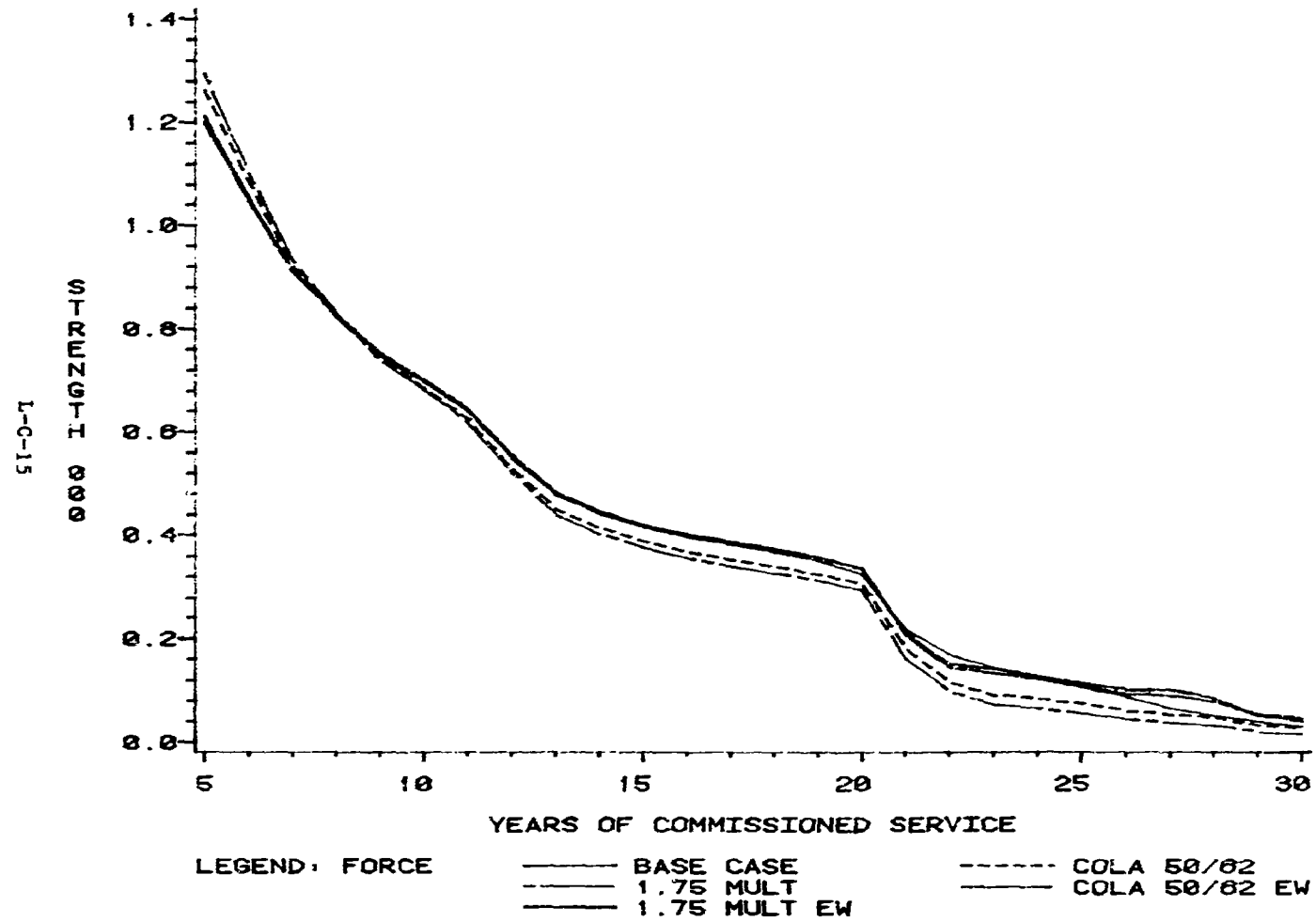


Figure L-C-10

USAF OFFICER STRENGTH

5 – 30 YOS

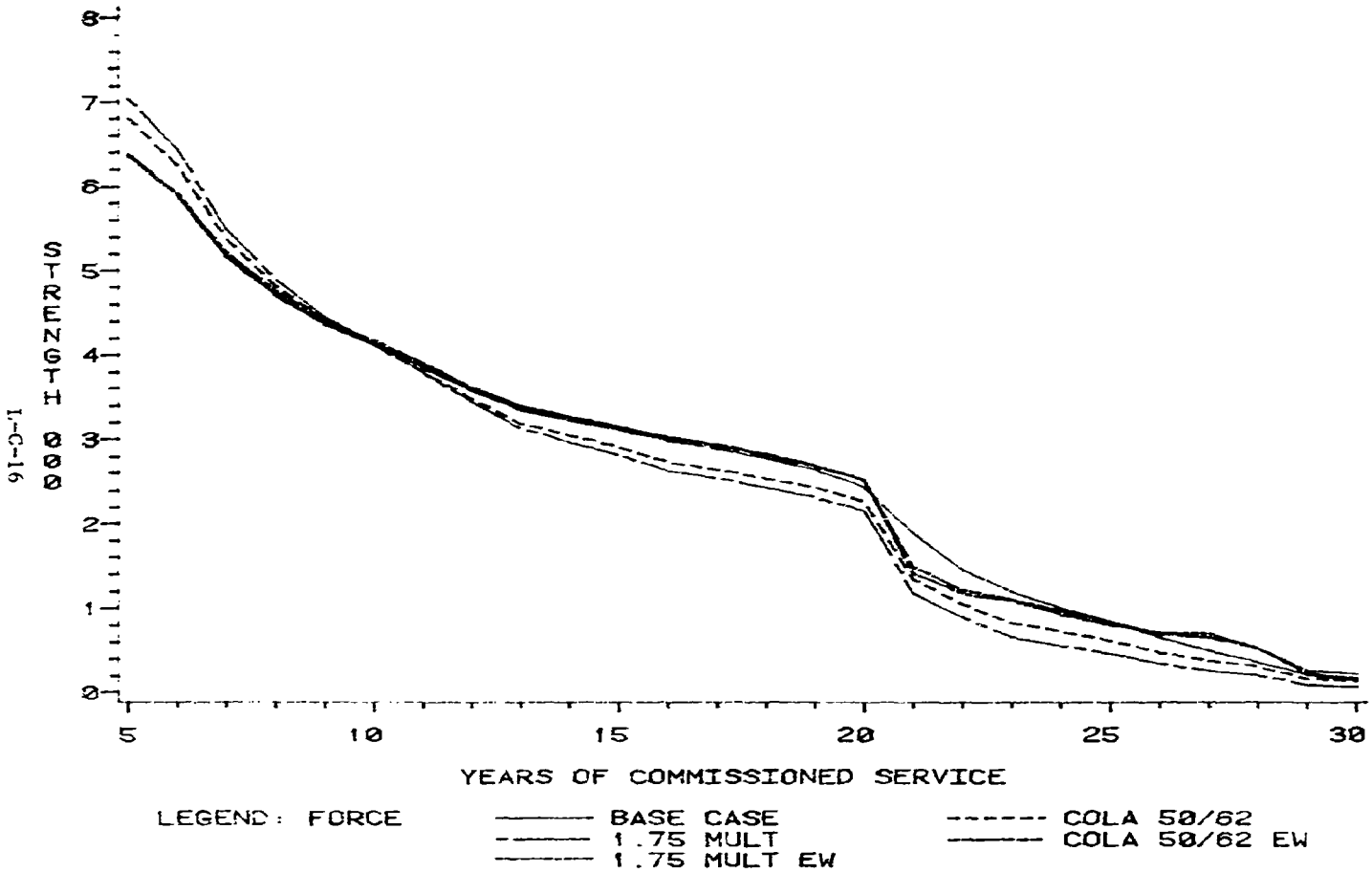


Figure I-C-11

DOD ENLISTED STRENGTH
5 – 30 YOS

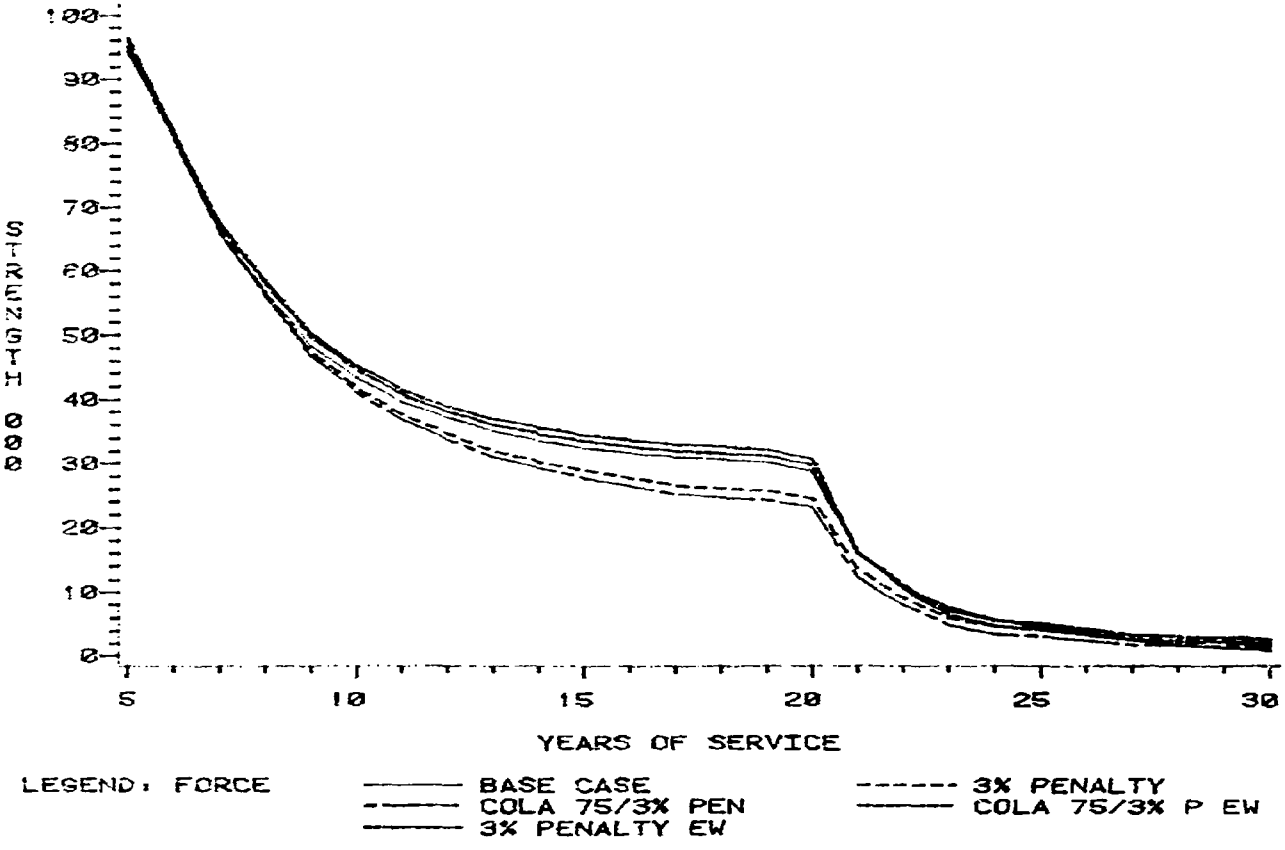


Figure L-C-12

ARMY ENLISTED STRENGTH

5 – 30 YOS

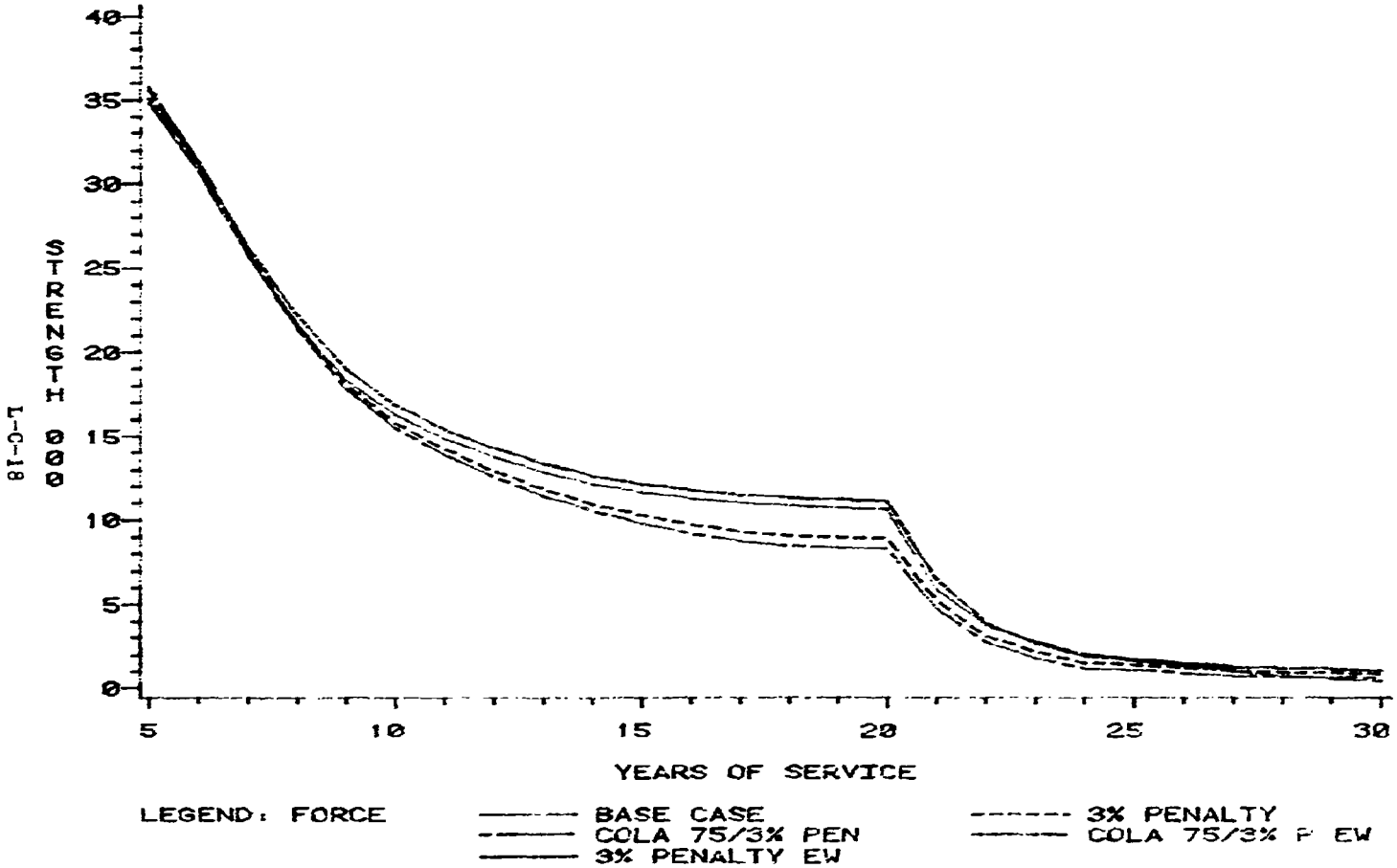


Figure L-C-13

NAVY ENLISTED STRENGTH

5 – 30 YOS

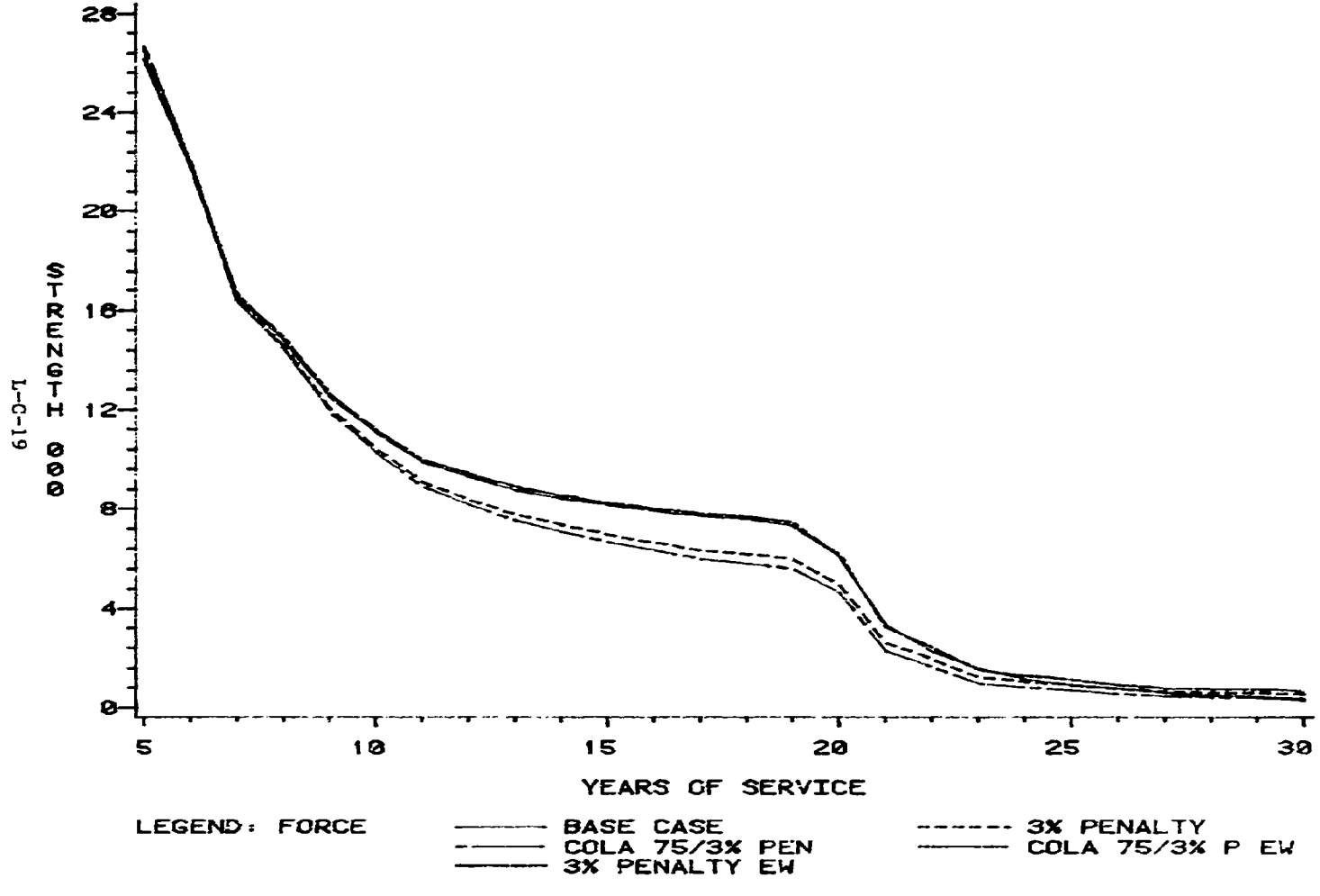


Figure I-C-14

USMC ENLISTED STRENGTH

5 – 30 YOS

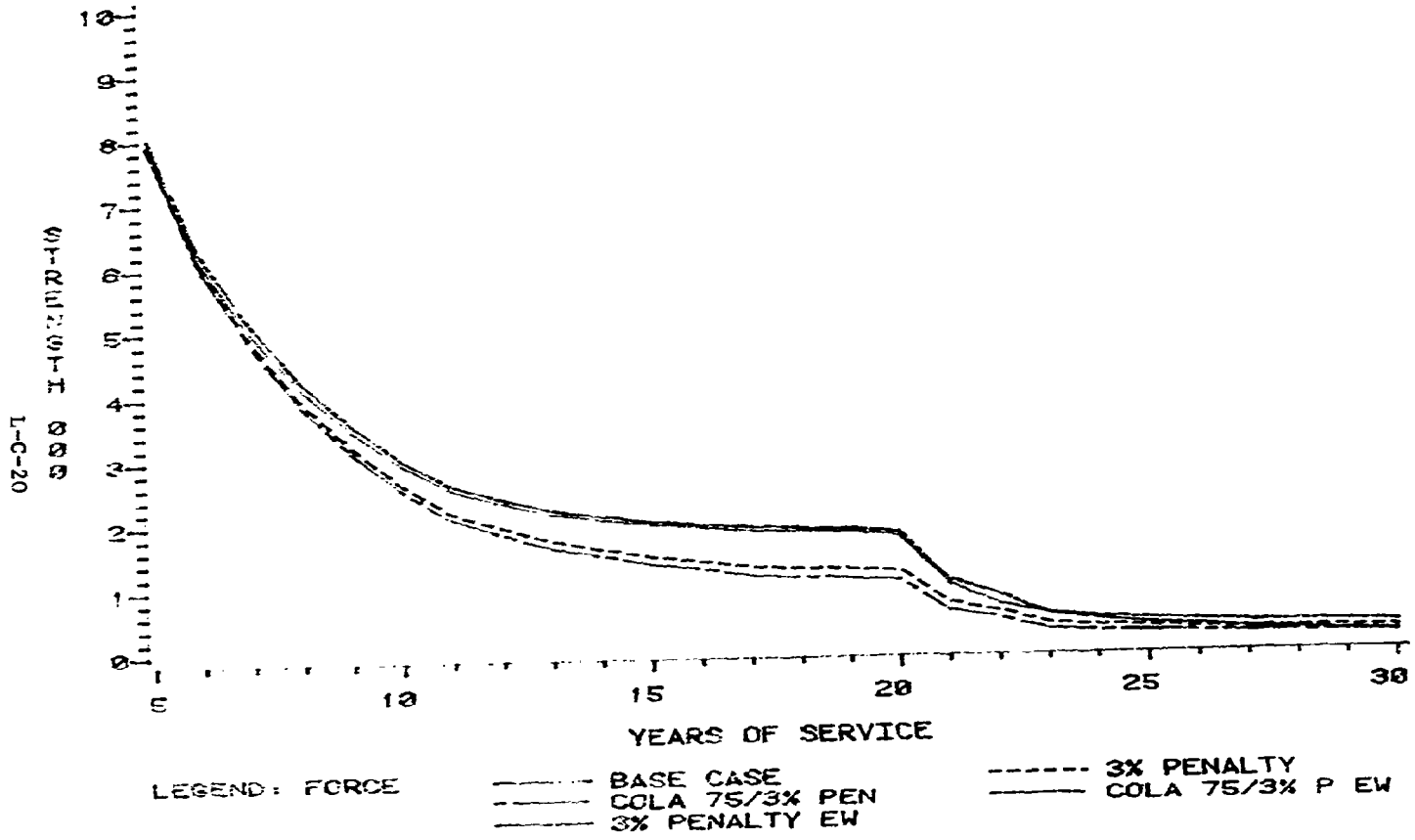


Figure L-C-15

NAVY ENLISTED STRENGTH

5 – 30 YOS

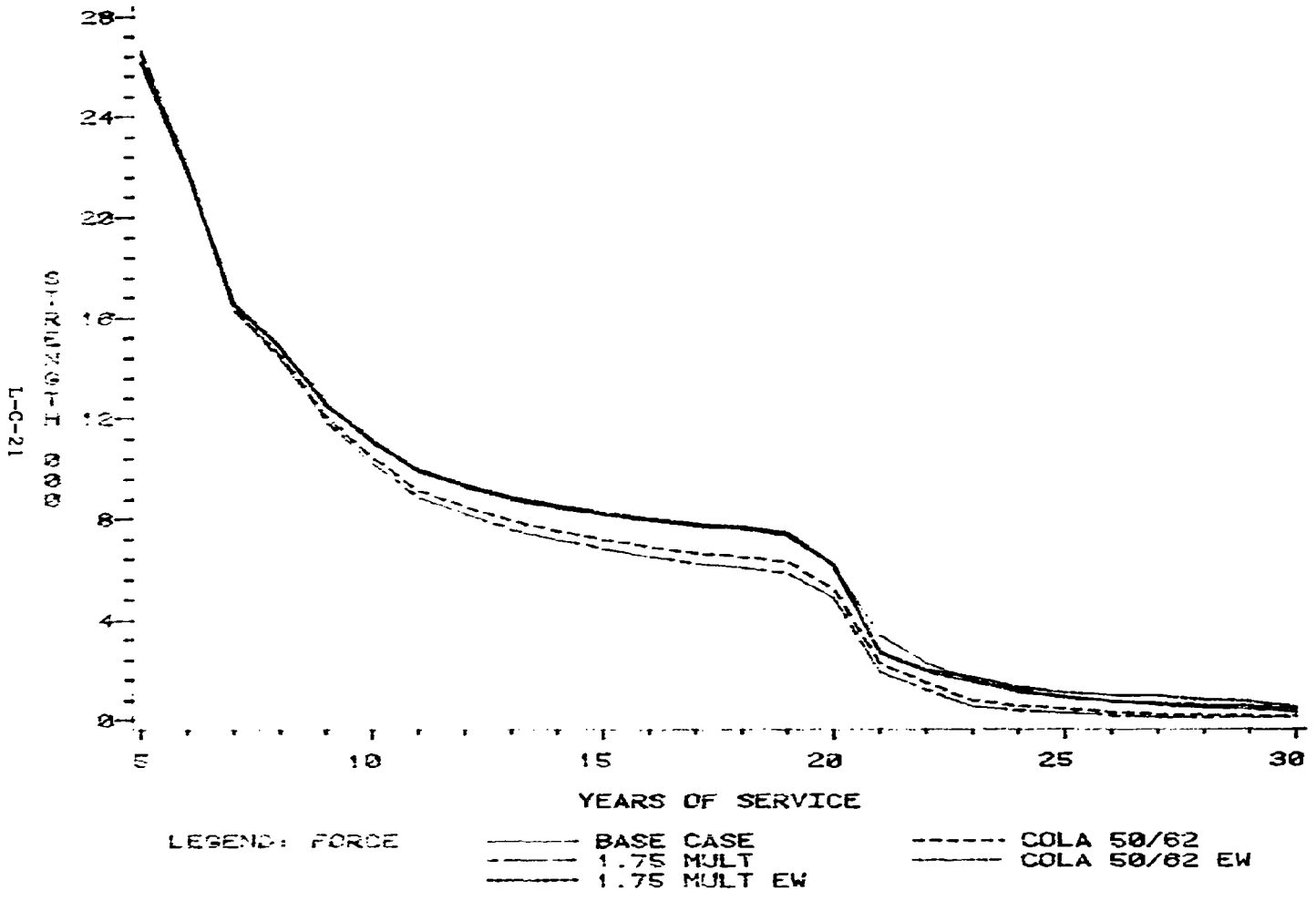


Figure L-C-16

USMC ENLISTED STRENGTH

5 – 30 YOS

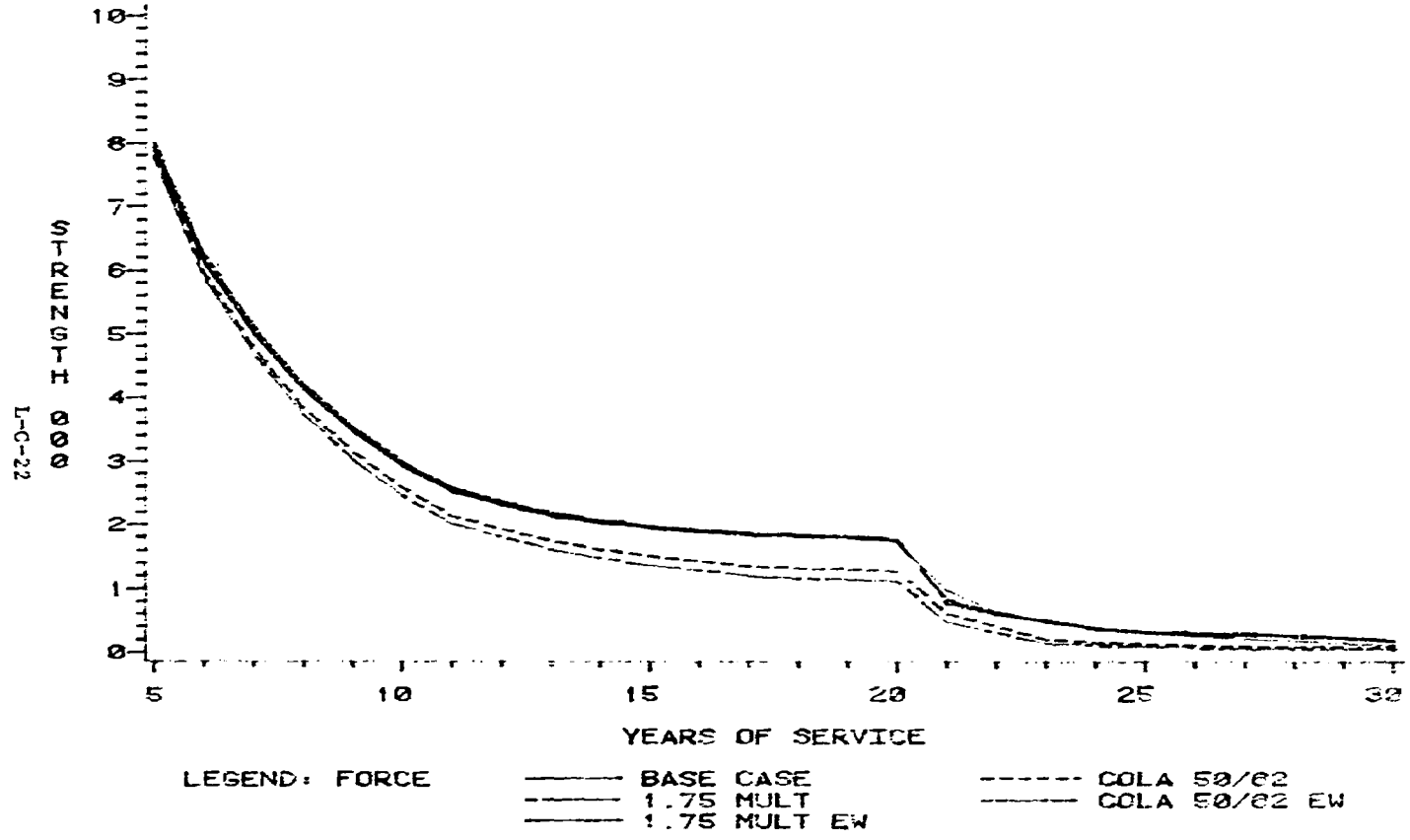


Figure L-C-17

USAF ENLISTED STRENGTH

5 – 30 YOS

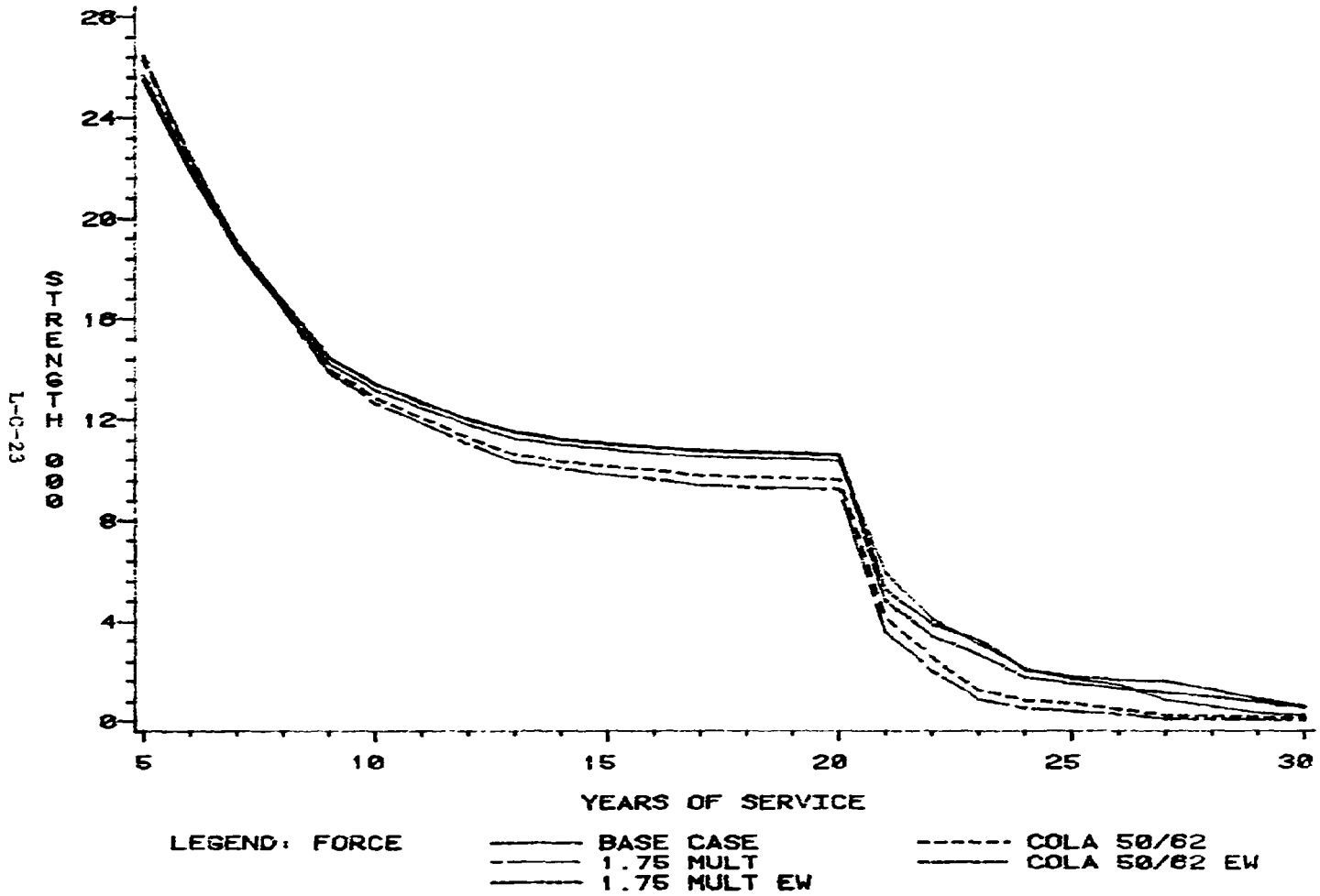


Figure I-C-18

ARMY ENLISTED STRENGTH

5 – 30 YOS

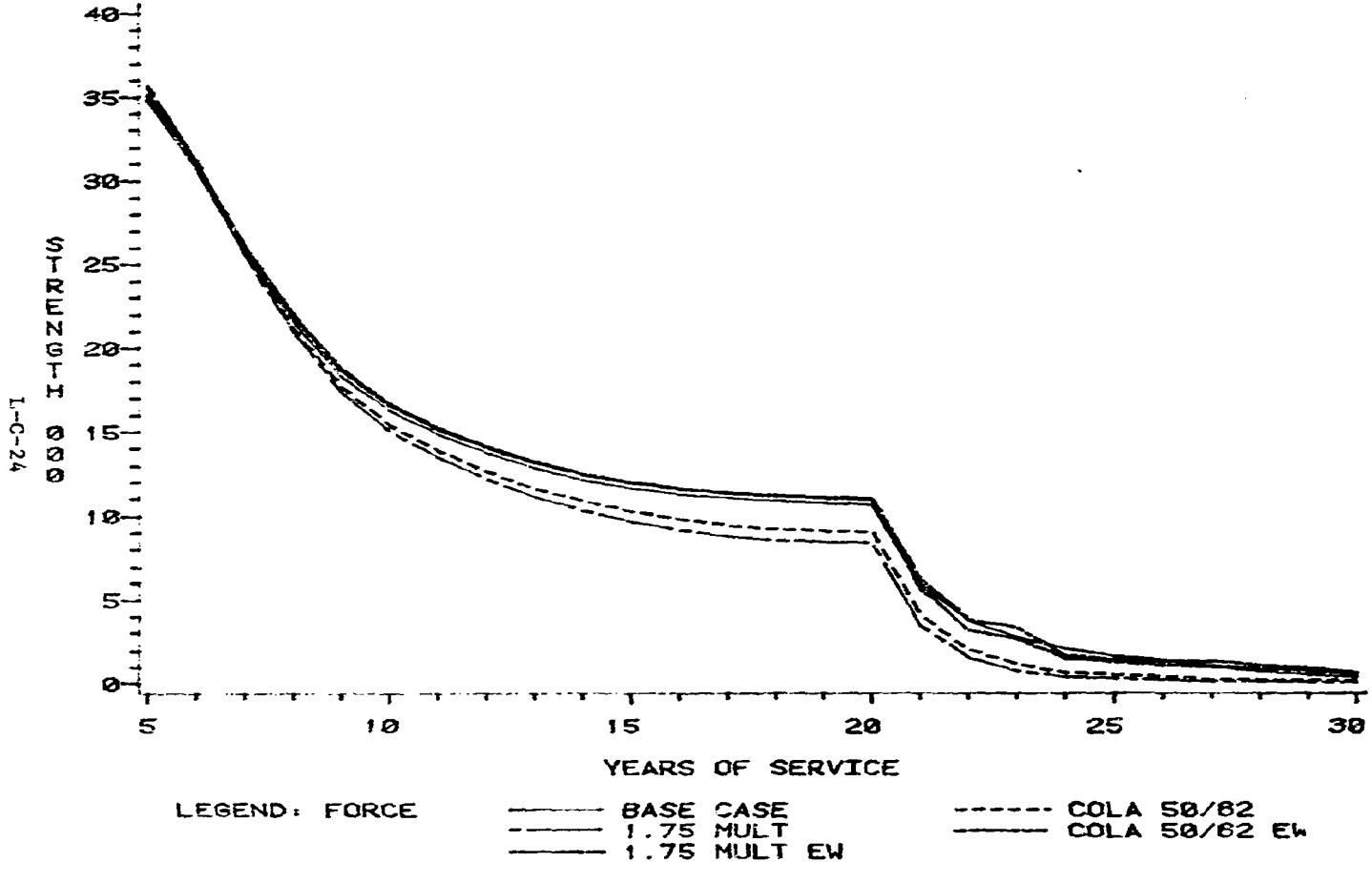


Figure L-C-19

DOD ENLISTED STRENGTH

5 – 30 YOS

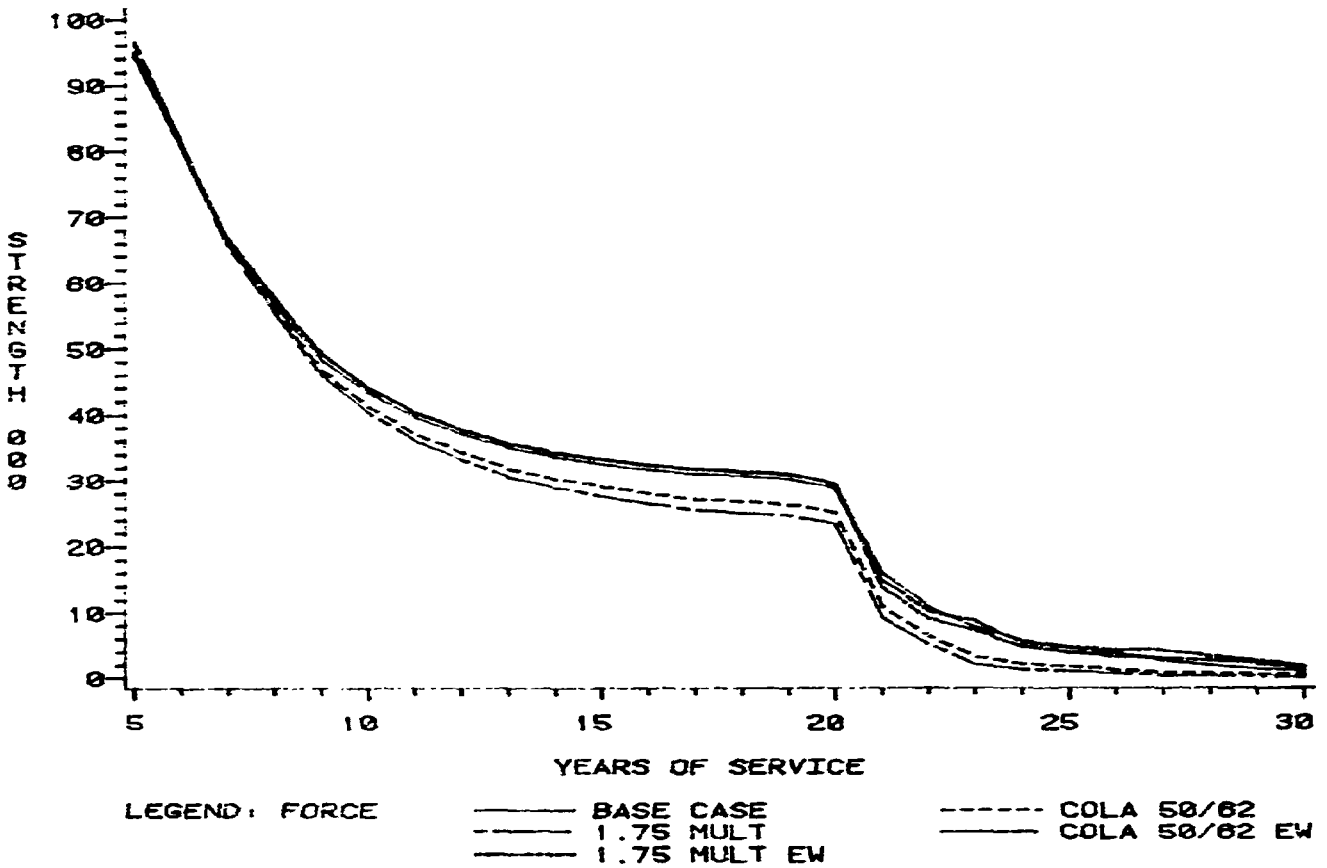


Figure L-C-20

USAF ENLISTED STRENGTH

5 – 30 YOS

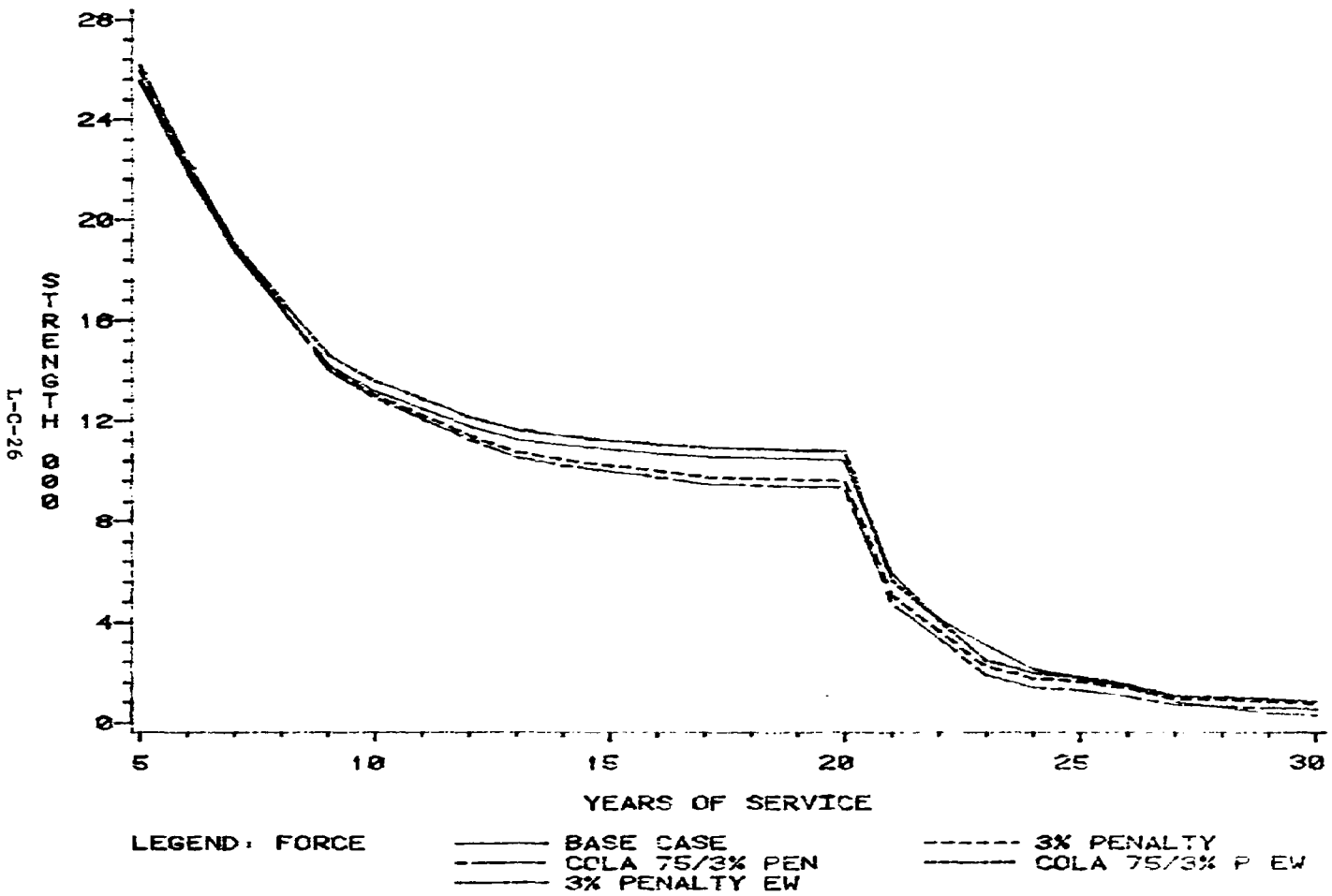


Figure L-C-21

FORCE LEVELS VS EARLY WITHDRAWALS

75% COLA AND 3% PRE-30 YOS < 3% PDR>
AND VARIABLE EARLY WITHDRAWALS
ENLISTED POPULATION

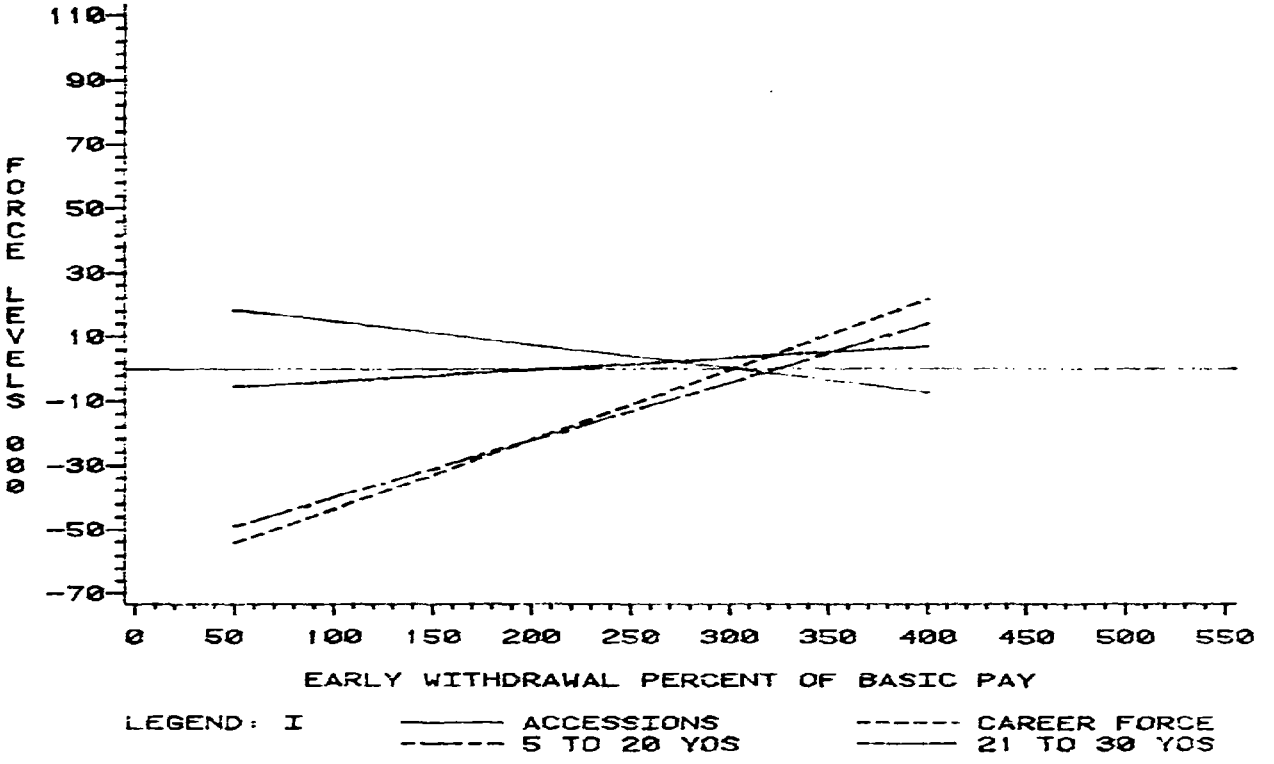


Figure L-C-22

FORCE LEVELS VS EARLY WITHDRAWALS

75% COLA AND 3% PRE-30 YOS (TAPERED PDR)
AND VARIABLE EARLY WITHDRAWALS
ENLISTED POPULATION

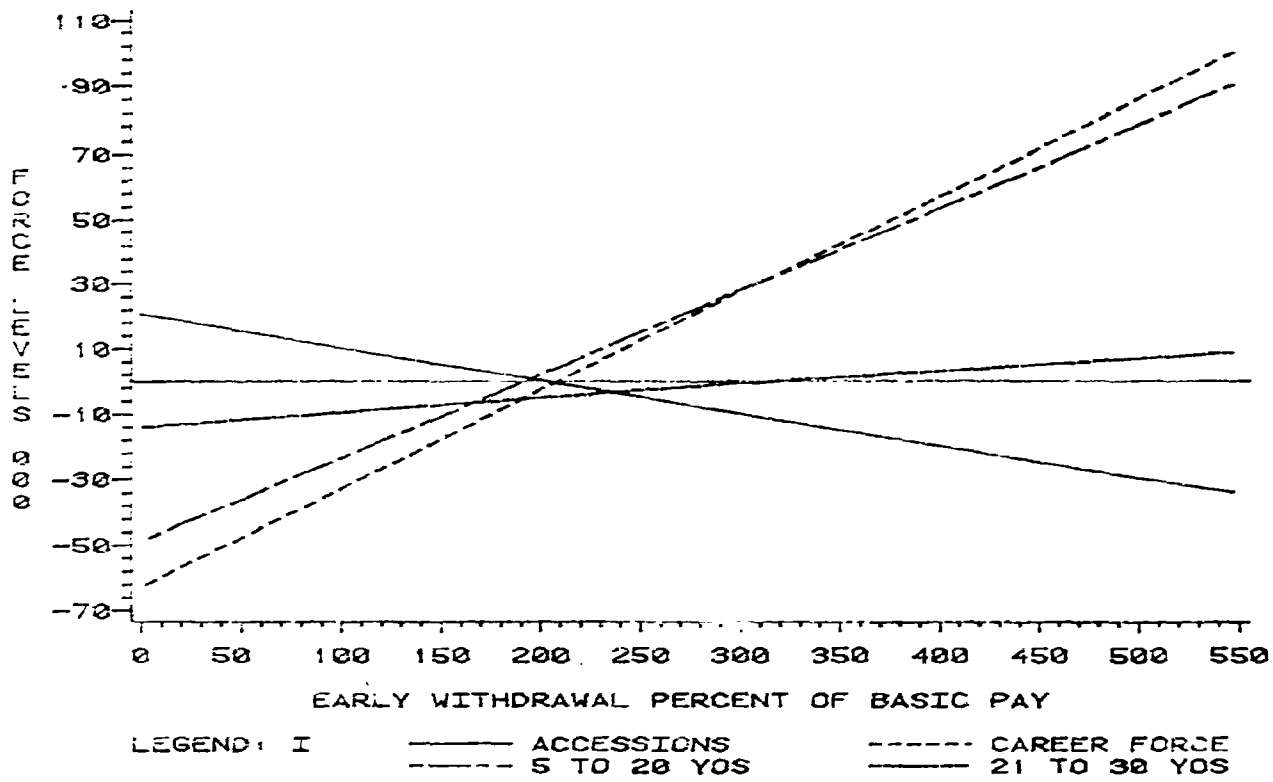


Figure L-C-23

FORCE LEVELS VS EARLY WITHDRAWALS

75 % COLA AND 3 % PRE-30 YOS (10% PDRO
AND VARIABLE EARLY WITHDRAWALS
ENLISTED POPULATION

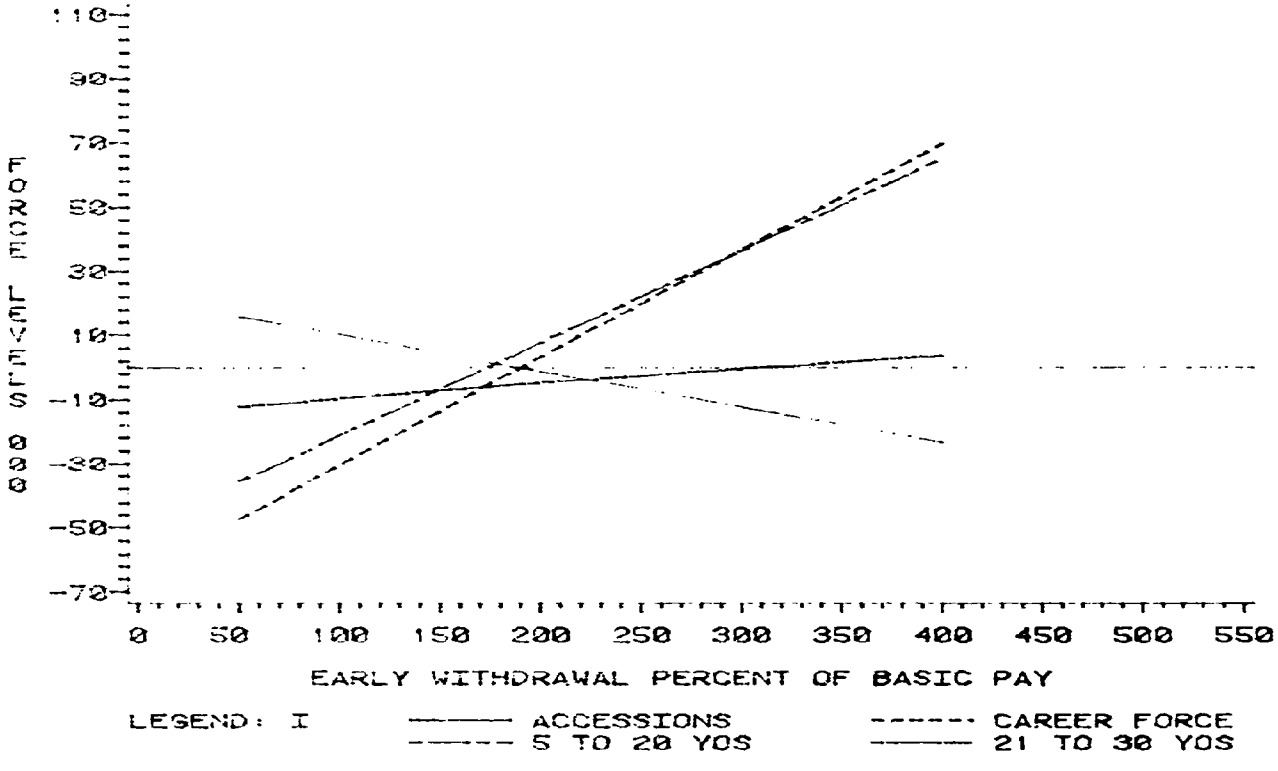


Figure L-C-24

FORCE LEVELS VS EARLY WITHDRAWALS

3% PRE-30 YOS (3% PDR)
AND VARIABLE EARLY WITHDRAWALS
ENLISTED POPULATION

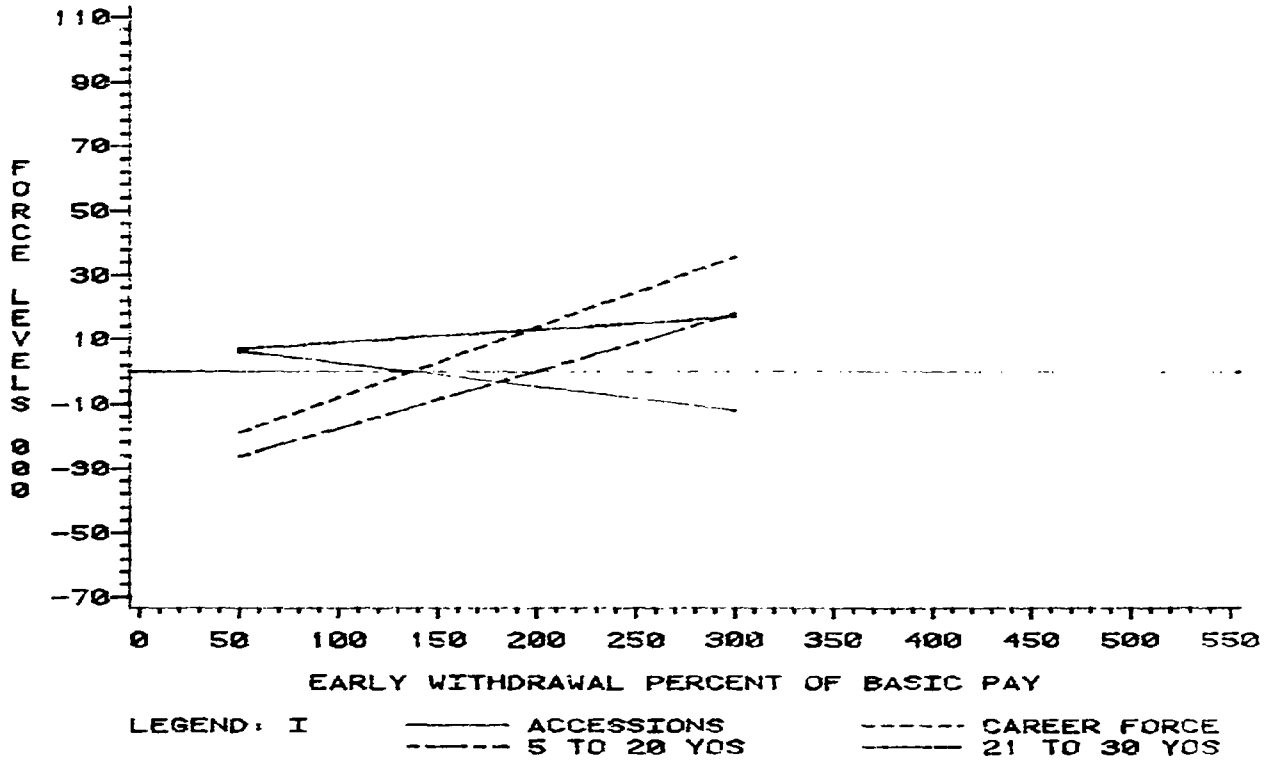


Figure L-C-25

FORCE LEVELS VS EARLY WITHDRAWALS

3X PRE-30 YOS (TAPERED PDR)
AND VARIABLE EARLY WITHDRAWALS
ENLISTED POPULATION

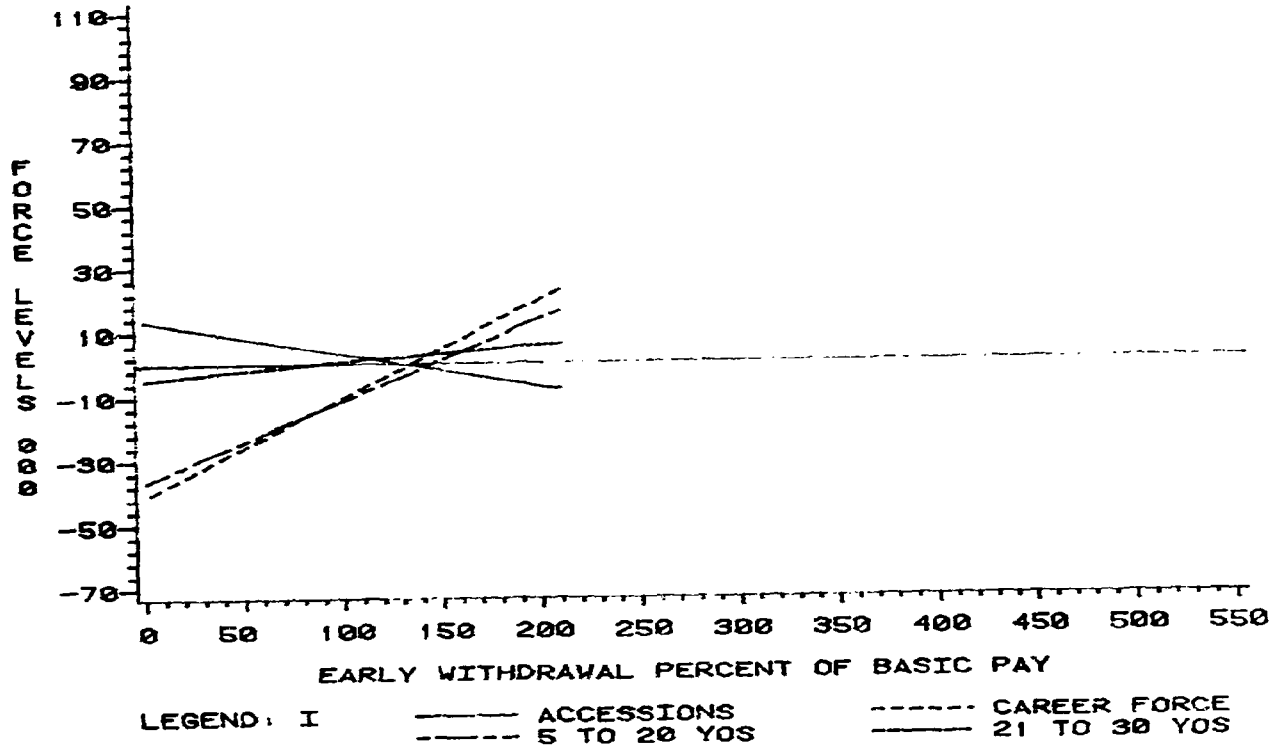


Figure L-C-26

FORCE LEVELS VS EARLY WITHDRAWALS

3 % PRE-30 YOS (10% PDRD
AND VARIABLE EARLY WITHDRAWALS
ENLISTED POPULATION

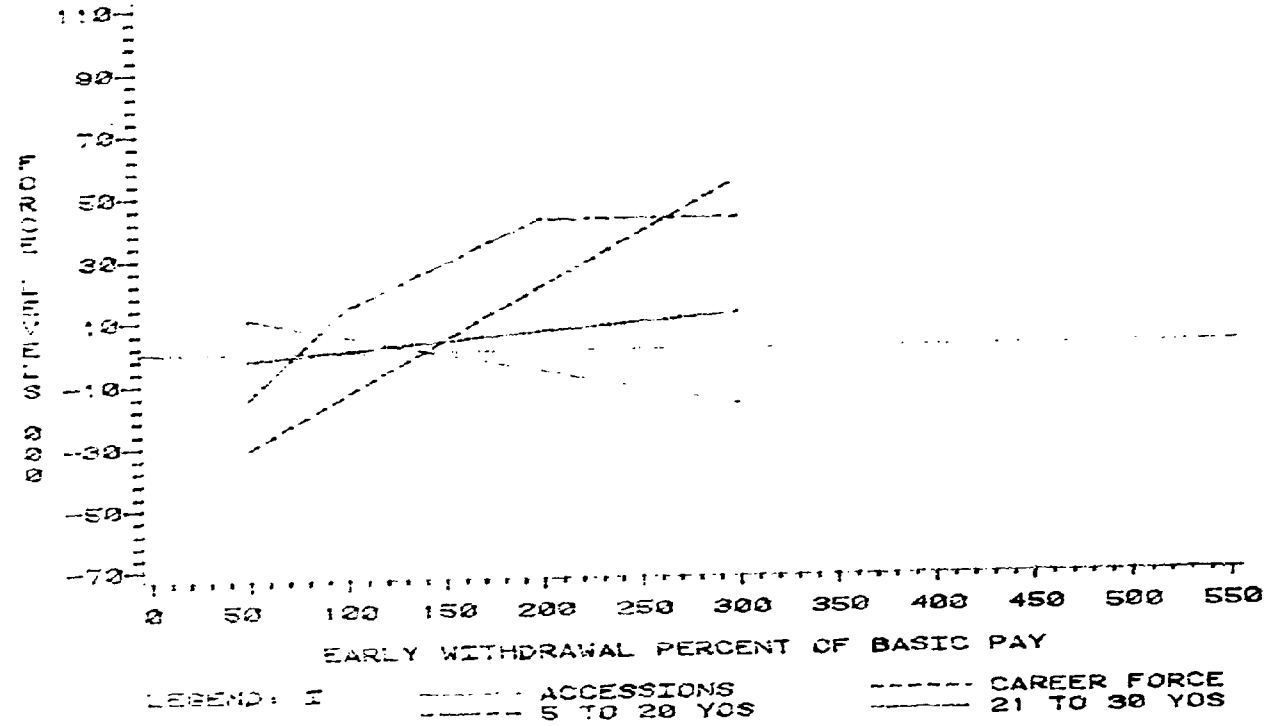


Figure L-C-27

FORCE LEVELS VS EARLY WITHDRAWALS

4% PRE-30 YOS (3% PDR)
AND VARIABLE EARLY WITHDRAWALS
ENLISTED POPULATION

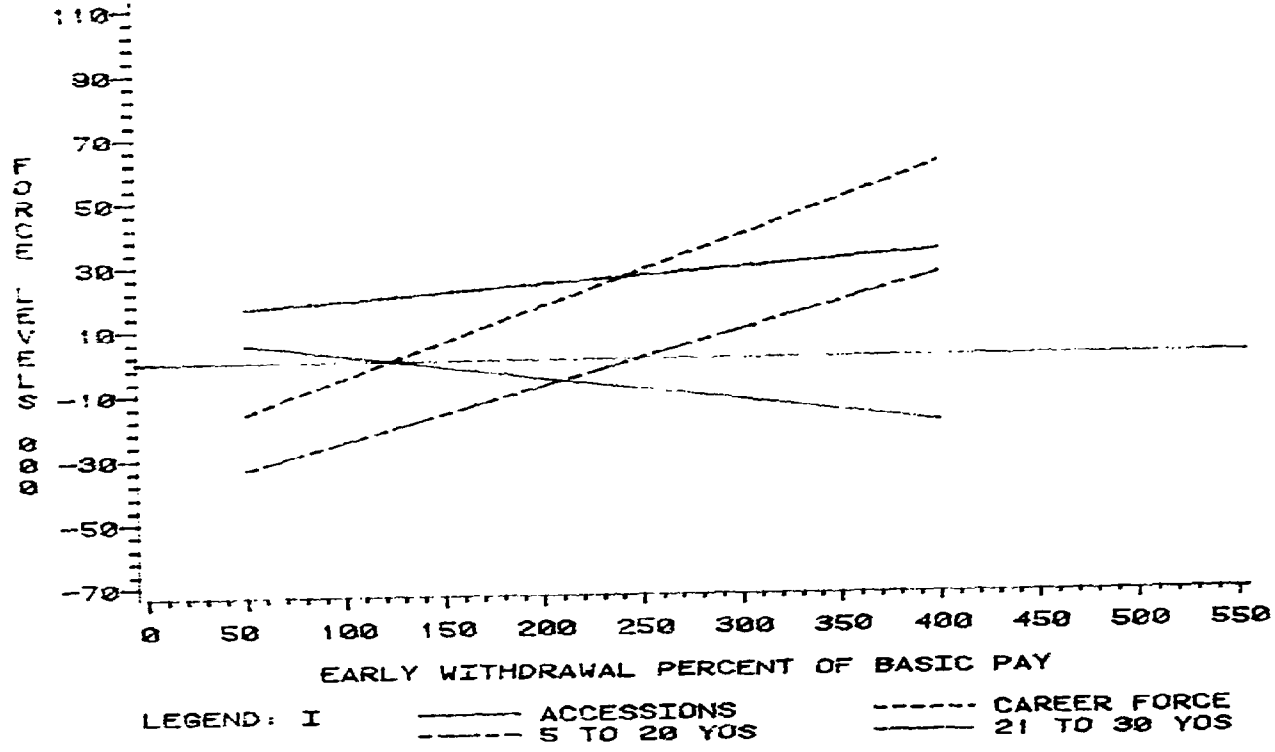
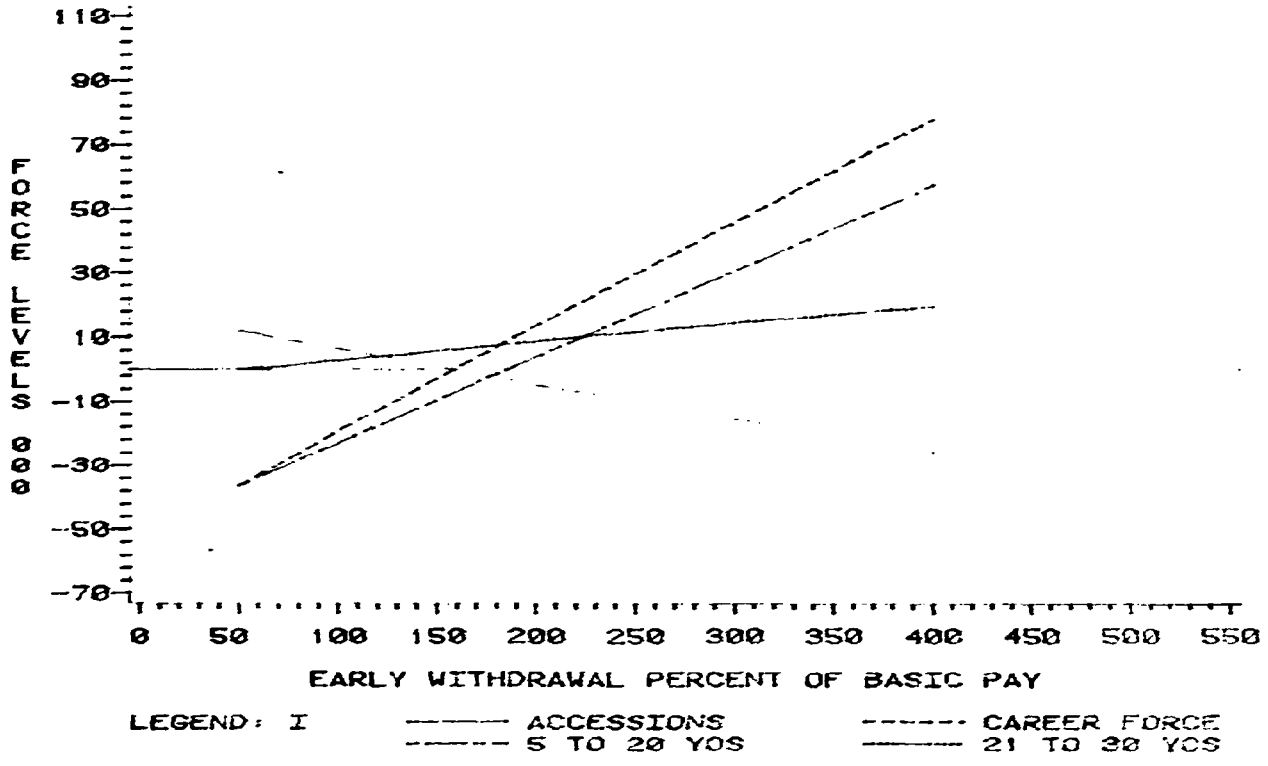


Figure L-C-28

FORCE LEVELS VS EARLY WITHDRAWALS

4 X PRE-30 YOS (10% PDR)
AND VARIABLE EARLY WITHDRAWALS
ENLISTED POPULATION



D. FORCE TRANSITION DATA. The following tables describe how the Service force structure may be expected to age into the future. In each table the level of accessions, the size of the career force, the size of the forces YOS 5 to 20, and in YOS 21 to 30 are provided. Along the top of each table year 1 refers to 1984. Years 2 through 20 refer to each year in the future, i.e., to 1985 through 2003. The force structure transition strength tables are organized as outlined in Table L.D.1. For each enlisted or officer grouping, 5 transition cases are presented. The cases are defined as follows:

1. Case 1: Transition of FY84 estimated strengths into the future using the historical seven year average continuation rates.

2. Case 2: Transition of FY84 estimated strengths into the future using historical seven year average continuation rates adjusted to reflect the effect of a 75% COLA being applied to current members and future entrant retirement benefits.

3. Case 3: Same as case 2 but using a 50% COLA.

4. Case 4: Transition of FY84 estimated strengths into the future using spliced set of continuation rates. The continuation rates from case 2 were spliced with those generated by an alternative retirement system with the following characteristics:

a. 3% pre-30 YOS benefit reduction.

b. Early withdrawal allowances (200% of base pay for officers/ 300% for enlisted).

c. A grandfather clause to cover members with 12+ years of service as of 2 October 1984.

d. All current and future nondisability retirees under age 62 receive a 75% COLA.

(See Appendix I for an explanation of the splicing technique used to combine grandfathered and ungrandfathered force characteristics).

5. Case 5: Transition of FY84 estimated strengths into the future using a spliced set of continuation rates. The continuation rates from case 3 were spliced with those generated by an alternative retirement system with the following characteristics:

a. Early withdrawal allowances after YOS 20, 23, and 27 of 160%, 40%, and 50% of basic pay respectively for both officer and enlisted force structures.

b. All current and future nondisability retirees under age 62 receive a 50% COLA.

Table L.D.1
Organization of Transition Force Summary Tables

Service	Type Force	Transition Case				
		Case 1	Case 2	Case 3	Case 4	Case 5
DoD	Enlisted	D. 2	D. 3	D. 4	D. 5	D. 6
	Officer	D.27	D.28	D.29	D.30	D.31
Army	Enlisted	D. 7	D. 8	D. 9	D.10	D.11
	Officer	D.32	D.33	D.34	D.35	D.36
Navy	Enlisted	D.12	D.13	D.14	D.15	D.16
	Officer	D.37	D.38	D.39	D.40	D.41
USMC	Enlisted	D.17	D.18	D.19	D.20	D.21
	Officer	D.42	D.43	D.44	D.45	D.46
USAF	Enlisted	D.22	D.23	D.24	D.25	D.26
	Officer	D.47	D.48	D.49	D.50	D.51

Table L. D-2

Transition Case 1

FILE: DODE TRN7CAS0 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

DOD FILE: TRN7 SCENARIO: 0

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	270.067	343.292	330.976	322.831	323.521	328.529	327.696	328.398	325.094	328.383	333.141	336.399
DELTA(BASE)	0.0	73.225	60.909	52.764	53.454	58.462	57.629	58.331	55.027	58.316	63.074	66.332
YOS 5 TO 30+												
STRENGTH	827.026	823.342	818.474	809.559	789.555	794.084	794.149	791.742	791.507	790.603	777.339	761.441
PERCENT	0.0	-0.0045	-0.0103	-0.0211	-0.0453	-0.0398	-0.0398	-0.0427	-0.0429	-0.0440	-0.0601	-0.0793
DELTA(BASE)	0.0	-3.684	-8.552	-17.467	-37.471	-32.942	-32.877	-35.284	-35.519	-36.423	-49.687	-65.585
YOS 5 TO 20												
STRENGTH	765.985	767.786	767.257	761.504	742.559	747.747	745.114	741.935	743.302	739.489	719.275	703.577
PERCENT	0.0	0.0024	0.0017	-0.0058	-0.0306	-0.0238	-0.0272	-0.0314	-0.0296	-0.0346	-0.0610	-0.0815
DELTA(BASE)	0.0	1.801	1.272	-4.481	-23.426	-18.238	-20.871	-24.050	-22.683	-26.496	-46.710	-62.408
YOS 21 TO 30												
STRENGTH	60.402	55.098	50.756	47.577	46.562	45.959	48.655	49.424	47.789	50.687	57.777	57.505
PERCENT	0.0	-0.0878	-0.1597	-0.2123	-0.2291	-0.2391	-0.1945	-0.1817	-0.2088	-0.1608	-0.0435	-0.0480
DELTA(BASE)	0.0	-5.304	-9.646	-12.825	-13.840	-14.443	-11.747	-10.978	-12.613	-9.715	-2.625	-2.897

Table L. D-3

Transition Case 2

FILE: DODE TRN7CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

DOD FILE: TRN7 SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	270.067	350.387	337.500	329.198	330.805	337.176	336.741	338.066	334.851	338.674	343.406	345.335
DELTA(BASE)	0.0	7.095	6.524	6.367	7.284	8.647	9.045	9.668	9.757	10.293	10.265	8.936
YOS 5 TO 30+												
STRENGTH	827.026	817.023	806.429	792.870	769.144	771.854	769.770	765.099	763.172	760.951	746.212	733.728
DELTA(BASE)	0.0	-6.319	-12.045	-16.689	-20.411	-22.230	-24.379	-26.643	-28.335	-29.652	-31.127	-27.713
YOS 5 TO 20												
STRENGTH	765.985	762.812	757.321	747.339	724.888	728.617	724.573	719.975	720.222	715.909	697.047	686.382
DELTA(BASE)	-0.000	-4.974	-9.936	-14.165	-17.671	-19.130	-20.541	-21.960	-23.080	-23.580	-22.228	-17.195
YOS 21 TO 30												
STRENGTH	60.402	53.702	48.577	44.974	43.751	42.707	44.650	44.569	42.358	44.461	48.822	46.928
DELTA(BASE)	0.0	-1.396	-2.179	-2.603	-2.811	-3.252	-4.005	-4.855	-5.431	-6.226	-8.955	-10.577

Table L. D-4

Transition Case 3

FILE: DODE TRN7CAS3 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

DOD FILE: TRN7 SCENARIO: 3

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	270.067	358.036	344.202	335.566	338.144	345.769	345.314	346.879	343.716	347.997	352.517	353.457
DELTA(BASE)	0.0	14.744	13.226	12.735	14.623	17.240	17.618	18.481	18.622	19.614	19.376	17.058
YOS 5 TO 30+												
STRENGTH	827.026	810.244	793.929	775.855	748.445	749.792	746.128	739.960	737.050	734.184	718.470	708.847
DELTA(BASE)	0.0	-13.098	-24.545	-33.704	-41.110	-44.292	-48.021	-51.782	-54.457	-56.419	-58.869	-52.594
YOS 5 TO 20												
STRENGTH	765.985	758.344	748.409	734.628	709.044	711.674	706.825	701.124	700.564	696.059	678.356	671.631
DELTA(BASE)	-0.000	-9.442	-18.848	-26.876	-33.515	-35.873	-38.289	-40.811	-42.738	-43.43.	-40.919	-31.946
YOS 21 TO 30												
STRENGTH	60.402	51.351	44.928	40.609	38.839	37.342	38.722	38.260	35.893	37.581	39.828	36.878
DELTA(BASE)	0.0	-3.747	-5.828	-6.968	-7.723	-8.617	-9.933	-11.164	-11.896	-13.106	-17.949	-20.627

Table L. D-5

Transition Case 4

FILE: DODE 7562CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

DOD FILE: 7562 SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	270.067	337.514	325.440	316.977	316.417	320.538	319.760	319.951	316.072	319.195	322.801	326.613
DELTA(BASE)	0.0	-5.778	-5.536	-5.854	-7.104	-7.991	-7.936	-8.447	-9.022	-9.188	-10.340	-9.786
YOS 5 TO 30+												
STRENGTH	827.026	826.794	826.781	822.241	805.872	812.653	814.531	813.721	815.010	815.110	805.828	789.629
DELTA(BASE)	0.0	3.452	8.307	12.682	16.317	18.569	20.382	21.979	23.503	24.507	28.489	28.188
YOS 5 TO 20												
STRENGTH	765.985	772.361	777.229	776.042	760.829	768.627	768.581	767.907	771.489	768.845	751.734	732.245
DELTA(BASE)	-0.000	4.575	9.972	14.538	13.270	20.880	23.467	25.972	28.187	29.356	32.459	28.668
YOS 21 TO 30												
STRENGTH	60.402	53.923	49.621	45.642	44.516	43.465	45.365	45.217	42.892	45.648	53.729	56.702
DELTA(BASE)	0.0	-1.175	-1.735	-1.935	-2.046	-2.494	-3.290	-4.207	-4.897	-5.039	-4.048	-0.803

Table L. D-6

Transition Case 5

FILE: DODE 5062CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

DOD FILE: 5062 SCENARIO: 2 YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	270.067	345.620	332.413	323.487	323.783	328.778	327.781	328.066	324.051	328.503	330.680	333.317
DELTA(BASE)	0.0	2.328	1.437	0.656	0.262	0.249	0.085	-0.332	-1.043	0.120	-2.461	-3.082
YOS 5 TO 30+												
STRENGTH	827.026	819.978	814.007	804.883	785.040	791.089	792.046	790.379	791.315	790.227	733.102	770.609
DELTA(BASE)	0.0	-3.364	-4.467	-4.676	-4.515	-2.995	-2.103	-1.363	-0.192	-0.376	5.763	9.168
YOS 5 TO 20												
STRENGTH	765.985	768.139	768.586	763.767	745.777	753.321	752.881	751.662	754.929	751.906	734.232	717.015
DELTA(BASE)	-0.000	0.353	1.329	2.263	3.218	5.574	7.767	9.727	11.627	12.417	14.957	13.438
YOS 21 TO 30												
STRENGTH	60.402	51.290	44.829	40.506	38.710	37.204	38.598	38.155	35.804	37.778	48.590	52.957
DELTA(BASE)	0.0	-3.808	-5.927	-7.071	-7.852	-8.755	-10.057	-11.269	-11.985	-12.909	-9.187	-4.548

Table L. D-7

Transition Case 1

FILE: ARMYE TRN7CAS0 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: ETRN7YRA SCENARIO: 0

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	107.689	145.485	131.409	127.160	134.824	132.889	131.263	132.092	131.444	131.754	134.993	136.850
DELTA(BASE)	0.0	37.796	23.720	19.471	27.135	25.200	23.574	24.403	23.755	24.065	27.304	29.161
YOS 5 TO 30+												
STRENGTH	300.282	307.423	308.362	301.065	293.112	296.683	296.125	295.241	297.019	297.259	290.141	280.908
PERCENT	0.0	0.0238	0.0269	0.0026	-0.0239	-0.0120	-0.0138	-0.0168	-0.0109	-0.0101	-0.0338	-0.0645
DELTA(BASE)	0.0	7.141	8.080	0.783	-7.170	-3.599	-4.157	-5.041	-3.263	-3.023	-10.141	-19.374
YOS 5 TO 20												
STRENGTH	282.363	291.091	293.240	286.954	279.033	282.431	280.631	280.034	282.025	280.688	268.323	259.391
PERCENT	0.0	0.0309	0.0385	0.0163	-0.0118	0.0002	-0.0061	-0.0082	-0.0012	-0.0053	-0.0497	-0.0814
DELTA(BASE)	0.0	8.728	10.877	4.591	-3.330	0.068	-1.732	-2.329	-0.334	-1.183	-14.040	-22.972
YOS 21 TO 30												
STRENGTH	17.858	16.253	15.064	14.053	14.026	14.201	15.432	15.139	14.928	16.515	21.772	21.452
PERCENT	0.0	-0.0899	-0.1565	-0.2131	-0.2146	-0.2048	-0.1358	-0.1523	-0.1641	-0.0864	0.2192	0.2013
DELTA(BASE)	0.0	-1.605	-2.794	-3.805	-3.832	-3.657	-2.426	-2.719	-2.930	-1.543	3.914	3.594

Table L. D-8

Transition Case 2

FILE: ARMYE TRN7CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: ETRN7YRA SCENARIO: 2 YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	107.689	148.438	134.062	129.789	138.399	136.630	135.090	136.280	135.762	136.171	139.449	140.687
DELTA(BASE)	0.0	2.953	2.653	2.629	3.575	3.741	3.827	4.188	4.318	4.417	4.456	3.837
YOS 5 TO 30+ STRENGTH	300.282	305.100	303.697	294.572	285.019	287.693	286.248	284.508	285.737	285.477	277.673	270.020
DELTA(BASE)	0.0	-2.323	-4.665	-6.493	-8.093	-8.990	-9.877	-10.733	-11.282	-11.782	-12.468	-10.888
YOS 5 TO 20 STRENGTH	282.363	289.299	289.357	281.355	271.964	274.649	272.244	271.059	272.704	271.372	259.681	252.985
DELTA(BASE)	-0.000	-1.792	-3.883	-5.599	-7.069	-7.782	-8.387	-8.975	-9.325	-9.508	-8.642	-6.406
YOS 21 TO 30 STRENGTH	17.858	15.713	14.273	13.149	12.994	12.972	13.916	13.354	12.948	14.025	17.942	16.966
DELTA(BASE)	-0.000	-0.540	-0.791	-0.904	-1.032	-1.229	-1.516	-1.785	-1.980	-2.290	-3.830	-4.486

Table L. D-9

Transition Case 3

FILE: ARMYE TRN7CAS3 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: ETRN7YRA SCENARIO: 3 YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	107.689	151.441	136.718	132.403	141.890	140.208	138.679	140.125	139.702	140.163	143.438	144.210
DELTA(BASE)	0.0	5.956	5.309	5.243	7.066	7.319	7.416	8.033	8.258	8.409	8.445	7.360
YOS 5 TO 30+												
STRENGTH	300.282	302.739	299.065	288.170	277.127	279.078	276.934	274.596	275.469	274.892	266.634	260.223
DELTA(BASE)	0.0	-4.684	-9.297	-12.895	-15.985	-17.605	-19.191	-20.645	-21.550	-22.367	-23.507	-20.685
YOS 5 TO 20												
STRENGTH	282.363	287.658	285.831	275.269	265.553	267.674	264.792	263.134	264.515	263.059	252.108	247.138
DELTA(BASE)	-0.000	-3.433	-7.409	-10.685	-13.480	-14.757	-15.839	-16.900	-17.514	-17.821	-16.215	-12.253
YOS 21 TO 30												
STRENGTH	17.918	14.987	13.160	11.826	11.506	11.325	12.049	11.364	10.872	11.759	14.486	13.032
DELTA(BASE)	-0.000	-1.266	-1.904	-2.227	-2.520	-2.876	-3.383	-3.775	-4.056	-4.556	-7.286	-8.420

Table L. D-10

Transition Case 4

FILE: ARMYF 7562CAS2 AT VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: E7562-1A SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	107.689	142.299	128.479	124.045	130.720	128.799	127.196	127.603	126.739	126.621	129.732	132.029
DELTA(BASE)	0.0	-3.186	-2.930	-3.115	-4.104	-4.090	-4.067	-4.489	-4.705	-5.133	-5.261	-4.821
YOS 5 TO 30+												
STRENGTH	300.282	308.831	312.426	307.343	301.155	305.709	305.912	305.703	308.055	309.205	303.376	293.357
DELTA(BASE)	0.0	1.408	5.004	6.278	8.023	9.026	9.787	10.462	11.036	11.946	13.235	12.449
YOS 5 TO 20												
STRENGTH	282.363	292.810	297.643	293.458	287.293	291.877	291.155	291.566	294.452	293.811	282.180	271.465
DELTA(BASE)	-0.000	1.719	4.403	6.504	8.260	9.446	10.524	11.532	12.423	12.931	13.857	12.074
YOS 21 TO 30												
STRENGTH	17.858	15.933	14.716	13.817	13.759	13.729	14.631	14.000	13.481	15.278	21.124	21.786
DELTA(BASE)	-0.000	-0.320	-0.348	-0.236	-0.267	-0.472	-0.831	-1.139	-1.447	-1.037	-0.648	0.334

Table L. D-11

Transition Case 5

FILE: ARMYE 5062CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: E5062-1A SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	107.689	145.871	131.581	127.037	134.575	132.542	130.791	131.371	130.474	130.426	133.593	135.167
DELTA(BASE)	0.0	0.386	0.172	-0.123	-0.249	-0.347	-0.472	-0.721	-0.970	-1.039	-1.400	-1.683
YOS 5 TO 30+												
STRENGTH	300.282	306.234	307.148	300.053	292.306	296.434	296.292	295.836	298.208	298.943	293.038	284.855
DELTA(BASE)	0.0	-1.189	-1.214	-1.012	-0.806	-0.249	0.167	0.595	1.189	1.684	2.897	3.947
YOS 5 TO 20												
STRENGTH	282.363	291.214	294.413	288.264	280.870	285.182	284.286	284.493	287.356	286.529	274.701	265.360
DELTA(BASE)	-0.000	0.123	0.773	1.310	1.837	2.751	3.655	4.459	5.327	5.649	6.378	5.969
YOS 21 TO 30												
STRENGTH	17.858	14.926	13.061	11.722	11.377	11.185	11.927	11.259	10.781	12.356	18.303	19.410
DELTA(BASE)	-0.000	-1.327	-2.003	-2.331	-2.649	-3.016	-3.505	-3.880	-4.147	-3.965	-3.469	-2.042

Table L. D-12

Transition Case 1

FILE: NAVYE TRN7CAS0 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: ETRN7YRN SCENARIO: 0

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	68.969	89.808	89.338	87.420	83.931	87.818	87.333	87.327	86.696	87.911	89.092	89.353
DELTA(BASE)	0.0	20.839	20.369	18.451	14.962	18.849	18.364	18.358	17.727	18.942	20.123	20.384
YOS 5 TO 30+												
STRENGTH	218.160	212.110	208.169	206.374	199.562	200.428	201.282	200.859	199.559	199.186	195.168	192.179
PERCENT	0.0	-0.0277	-0.0458	-0.0540	-0.0852	-0.0813	-0.0774	-0.0793	-0.0853	-0.0870	-0.1054	-0.1191
DELTA(BASE)	0.0	-6.050	-9.991	-11.786	-18.598	-17.732	-16.878	-17.301	-18.601	-18.974	-22.992	-25.981
YOS 5 TO 20												
STRENGTH	203.621	198.482	195.370	193.893	187.963	189.529	190.300	189.755	188.527	187.898	182.804	179.941
PERCENT	0.0	-0.0252	-0.0405	-0.0478	-0.0769	-0.0692	-0.0654	-0.0681	-0.0741	-0.0772	-0.1022	-0.1163
DELTA(BASE)	0.0	-5.139	-8.251	-9.728	-15.658	-14.092	-13.321	-13.866	-15.094	-15.723	-20.817	-23.680
YOS 21 TO 30												
STRENGTH	14.290	13.459	12.633	12.275	11.400	10.712	10.787	10.906	10.814	11.065	12.219	12.068
PERCENT	0.0	-0.0582	-0.1160	-0.1410	-0.2022	-0.2504	-0.2451	-0.2368	-0.2432	-0.2257	-0.1449	-0.1555
DELTA(BASE)	0.0	-0.831	-1.657	-2.015	-2.890	-3.578	-3.503	-3.384	-3.476	-3.225	-2.071	-2.222

Table L. D-13

Transition Case 2

FILE: NAVYE TRN7CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: E1RN7YRN SCENARIO: 2 YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	68.969	91.677	91.950	89.063	85.581	90.001	89.556	89.631	89.027	90.389	91.540	91.566
DELTA(BASE)	0.0	1.869	1.712	1.643	1.650	2.183	2.223	2.308	2.331	2.478	2.448	2.213
YOS 5 TO 30+ STRENGTH	218.160	210.337	204.934	201.924	194.204	194.673	195.052	194.108	192.371	191.740	187.298	185.042
DELTA(BASE)	-0.000	-1.773	-3.235	-4.450	-5.358	-5.755	-6.230	-6.751	-7.188	-7.446	-7.870	-7.137
YOS 5 TO 20 STRENGTH	203.621	197.065	192.674	190.885	183.261	184.485	184.881	183.952	182.416	181.656	176.754	174.961
DELTA(BASE)	-0.000	-1.417	-2.696	-3.808	-4.702	-5.044	-5.419	-5.803	-6.111	-6.242	-6.050	-4.980
YOS 21 TO 30 STRENGTH	14.290	13.087	12.076	11.607	10.717	9.948	9.911	9.890	9.670	9.801	10.383	9.896
DELTA(BASE)	0.0	-0.372	-0.559	-0.668	-0.683	-0.764	-0.976	-1.016	-1.144	-1.264	-1.836	-2.172

Table L. D-14

Transition Case 3

FILE: NAVYE IRN7CAS3 AT VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: EIRN7YRN SCENARIO: 3

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	68.969	93.555	92.748	90.672	87.224	92.105	91.646	91.737	91.142	92.631	93.719	93.560
DELTA(BASE)	0.0	3.747	3.410	3.252	3.293	4.287	4.313	4.410	4.446	4.720	4.627	4.207
YOS 5 TO 30+												
STRENGTH	218.160	208.584	201.741	197.554	188.936	189.088	189.102	187.782	185.770	185.001	180.354	178.680
DELTA(BASE)	-0.000	-3.526	-6.428	-8.820	-10.626	-11.340	-12.180	-13.077	-13.789	-14.185	-14.814	-13.499
YOS 5 TO 20												
STRENGTH	203.621	195.805	190.266	186.690	179.071	180.056	180.175	178.952	177.193	176.371	171.649	170.671
DELTA(BASE)	-0.000	-2.677	-5.104	-7.203	-8.892	-9.473	-10.125	-10.803	-11.334	-11.527	-11.155	-9.270
YOS 21 TO 30												
STRENGTH	14.290	12.582	11.272	10.612	9.619	8.776	8.656	8.560	8.292	8.361	8.568	7.859
DELTA(BASE)	0.0	-0.877	-1.361	-1.663	-1.781	-1.936	-2.131	-2.346	-2.522	-2.704	-3.651	-4.209

Table L. D-15

Transition Case 4

FILE: NAVYE 7562CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: E7562-1N SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	68.969	89.053	88.530	86.588	82.935	86.513	85.967	85.916	85.202	86.513	87.382	87.614
DELTA(BASE)	0.0	-0.755	-0.808	-0.832	-0.996	-1.305	-1.366	-1.411	-1.494	-1.308	-1.710	-1.739
YOS 5 TO 30+												
STRENGTH	218.160	212.599	209.329	208.211	202.015	203.382	204.703	204.722	203.761	203.435	200.226	197.430
DELTA(BASE)	-0.000	0.489	1.160	1.837	2.453	2.954	3.421	3.863	4.202	4.249	5.058	5.251
YOS 5 TO 20												
STRENGTH	203.621	199.326	197.069	196.372	191.072	193.193	194.532	194.565	193.805	193.367	188.674	185.167
DELTA(BASE)	-0.000	0.844	1.699	2.479	3.109	3.664	4.232	4.810	5.278	5.469	5.870	5.226
YOS 21 TO 30												
STRENGTH	14.290	13.087	12.074	11.607	10.717	9.949	9.911	9.891	9.671	9.785	11.391	11.995
DELTA(BASE)	0.0	-0.372	-0.559	-0.668	-0.683	-0.763	-0.876	-1.015	-1.143	-1.280	-0.828	-0.073

Table L. D-16

Transition Case 5

FILE: NAVYE 5062CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: E5062-1N SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	68.969	90.709	89.972	87.904	84.233	88.162	87.564	87.494	86.768	88.402	88.997	89.070
DELTA(BASE)	0.0	0.901	0.634	0.484	0.302	0.348	0.231	0.167	0.072	0.491	-0.095	-0.283
YOS 5 TO 30+												
STRENGTH	218.160	211.119	206.649	204.567	197.716	198.972	200.123	199.944	198.853	198.258	195.433	193.281
DELTA(BASE)	-0.000	-0.991	-1.520	-1.807	-1.846	-1.456	-1.159	-0.915	-0.706	-0.928	0.265	1.102
YOS 5 TO 20												
STRENGTH	203.621	198.340	195.174	193.702	187.851	189.939	191.196	191.113	190.273	189.760	184.992	181.867
DELTA(BASE)	-0.000	-0.142	-0.196	-0.191	-0.112	0.410	0.896	1.358	1.746	1.862	2.188	1.926
YOS 21 TO 30												
STRENGTH	14.290	12.582	11.272	10.613	9.619	8.777	8.656	8.561	8.295	8.229	10.304	11.172
DELTA(BASE)	0.0	-0.877	-1.361	-1.662	-1.781	-1.935	-2.131	-2.345	-2.519	-2.836	-1.915	-0.896

Table L. D-17

Transition Case 1

FILE: USMCE TRN7CAS0 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: ETRN7YRM SCENARIO: 0

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	31.691	38.883	39.868	38.076	37.083	38.587	38.663	38.130	38.055	38.368	38.732	39.072
DELTA(BASE)	0.0	7.192	8.177	6.385	5.392	6.896	6.972	6.439	6.364	6.677	7.041	7.381
YOS 5 TO 30+												
STRENGTH	57.623	57.062	56.944	56.261	54.397	54.543	54.802	54.694	54.402	54.499	53.657	52.019
PERCENT	0.0	-0.0097	-0.0118	-0.0236	-0.0560	-0.0535	-0.0490	-0.0508	-0.0559	-0.0542	-0.0688	-0.0973
DELTA(BASE)	0.0	-0.561	-0.679	-1.362	-3.226	-3.080	-2.821	-2.929	-3.221	-3.124	-3.966	-5.604
YOS 5 TO 20												
STRENGTH	54.499	54.332	54.405	53.885	51.992	52.164	52.260	52.022	51.596	51.576	49.833	48.123
PERCENT	0.0	-0.0031	-0.0017	-0.0113	-0.0460	-0.0428	-0.0411	-0.0455	-0.0533	-0.0536	-0.0856	-0.1170
DELTA(BASE)	0.0	-0.167	-0.094	-0.614	-2.507	-2.335	-2.239	-2.477	-2.903	-2.923	-4.666	-6.376
YOS 21 TO 30												
STRENGTH	3.056	2.667	2.482	2.329	2.353	2.332	2.494	2.625	2.752	2.875	3.791	3.849
PERCENT	0.0	-0.1273	-0.1878	-0.2379	-0.2300	-0.2369	-0.1839	-0.1410	-0.0995	-0.0592	0.2405	0.2595
DELTA(BASE)	0.0	-0.389	-0.574	-0.727	-0.703	-0.724	-0.562	-0.431	-0.304	-0.181	0.735	0.793

Table L. D-18

Transition Case 2

FILE: USMCE TRN7CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: ETRN7YRM SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	31.691	39.704	40.599	38.775	37.867	39.613	39.704	39.187	39.179	39.568	39.961	40.209
DELTA(BASE)	0.0	0.821	0.731	0.699	0.784	1.026	1.041	1.057	1.124	1.200	1.229	1.137
YOS 5 TO 30+												
STRENGTH	57.623	56.341	55.596	54.408	52.155	52.050	52.039	51.681	51.182	51.120	49.929	48.512
DELTA(BASE)	-0.000	-0.721	-1.348	-1.853	-2.242	-2.493	-2.763	-3.013	-3.220	-3.379	-3.728	-3.507
YOS 5 TO 20												
STRENGTH	54.499	53.657	53.124	52.109	49.839	49.795	49.679	49.257	48.689	48.573	46.791	45.495
DELTA(BASE)	0.0	-0.675	-1.281	-1.776	-2.153	-2.369	-2.581	-2.765	-2.907	-3.003	-3.042	-2.628
YOS 21 TO 30												
STRENGTH	3.056	2.615	2.406	2.241	2.254	2.192	2.293	2.357	2.416	2.482	3.098	2.963
DELTA(BASE)	0.0	-0.052	-0.076	-0.088	-0.099	-0.140	-0.201	-0.268	-0.336	-0.393	-0.693	-0.886

Table L. D-19

Transition Case 3

FILE: USMCE TRN7CAS3 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: ETRN7YRM SCENARIO: 3

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	31.691	40.496	41.297	39.438	38.609	40.563	40.642	40.128	40.172	40.621	41.022	41.207
DELTA(BASE)	0.0	1.613	1.489	1.362	1.526	1.976	1.979	1.998	2.117	2.253	2.290	2.135
YOS 5 TO 30+												
STRENGTH	57.623	55.651	54.314	52.653	50.037	49.735	49.513	48.971	48.319	48.165	46.718	45.503
DELTA(BASE)	-0.000	-1.411	-2.630	-3.608	-4.360	-4.808	-5.289	-5.723	-6.083	-6.334	-6.939	-6.516
YOS 5 TO 20												
STRENGTH	54.499	53.052	51.981	50.527	47.927	47.715	47.431	46.866	46.187	46.017	44.232	43.253
DELTA(BASE)	0.0	-1.280	-2.424	-3.358	-4.065	-4.449	-4.829	-5.156	-5.409	-5.559	-5.601	-4.870
YOS 21 TO 30												
STRENGTH	3.056	2.524	2.259	2.061	2.039	1.948	2.007	2.030	2.050	2.080	2.452	2.203
DELTA(BASE)	0.0	-0.143	-0.223	-0.268	-0.314	-0.384	-0.487	-0.595	-0.702	-0.795	-1.339	-1.646

Table L. D-20

Transition Case 4

FILE: USMCE 7562CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: E7562-1M SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	31.691	38.188	39.293	37.535	36.479	37.777	37.871	37.324	37.186	37.428	37.651	37.960
DELTA(BASE)	0.0	-0.695	-0.575	-0.541	-0.604	-0.810	-0.792	-0.806	-0.869	-0.940	-1.081	-1.112
YOS 5 TO 30+												
STRENGTH	57.623	57.529	57.882	57.584	55.993	56.303	56.763	56.838	56.712	56.932	56.607	55.191
DELTA(BASE)	-0.000	0.467	0.938	1.323	1.596	1.760	1.961	2.144	2.310	2.433	2.950	3.172
YOS 5 TO 20												
STRENGTH	54.499	54.845	55.410	55.285	53.677	54.048	54.402	54.414	54.219	54.301	52.839	50.877
DELTA(BASE)	0.0	0.513	1.005	1.400	1.685	1.884	2.142	2.392	2.623	2.725	3.006	2.754
YOS 21 TO 30												
STRENGTH	3.056	2.615	2.406	2.241	2.254	2.192	2.294	2.357	2.416	2.566	3.728	4.226
DELTA(BASE)	0.0	-0.052	-0.076	-0.088	-0.099	-0.140	-0.200	-0.268	-0.336	-0.309	-0.063	0.377

Table L. D-21

Transition Case 5

FILE: USMCE 5062CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: E5062-1M SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	31.691	38.968	39.957	38.142	37.745	38.622	38.697	38.134	38.028	38.391	38.568	38.792
DELTA(BASE)	0.0	0.085	0.089	0.066	0.062	0.035	0.034	0.004	-0.027	0.023	-0.164	-0.280
YOS 5 TO 30+												
STRENGTH	57.623	56.887	56.683	55.958	54.064	54.250	54.554	54.498	54.277	54.374	53.975	52.787
DELTA(BASE)	-0.000	-0.175	-0.261	-0.303	-0.333	-0.293	-0.248	-0.196	-0.125	-0.125	0.318	0.768
YOS 5 TO 20												
STRENGTH	54.499	54.288	54.350	53.832	51.954	52.230	52.472	52.393	52.145	52.160	50.518	48.744
DELTA(BASE)	0.0	-0.044	-0.055	-0.053	-0.038	0.066	0.212	0.371	0.549	0.584	0.685	0.621
YOS 21 TO 30												
STRENGTH	3.656	2.524	2.259	2.061	2.039	1.948	2.007	2.030	2.050	2.146	3.423	3.959
DELTA(BASE)	0.0	-0.143	-0.223	-0.268	-0.374	-0.384	-0.487	-0.595	-0.702	-0.729	-0.368	0.110

Table L. D-22

Transition Case 1

FILE: USAFE TRN7CASO A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: ETRN7YRF SCENARIO: 0

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	61.718	69.116	70.361	70.175	67.683	69.235	70.437	70.849	68.899	70.350	70.324	71.124
DELTA(BASE)	0.0	7.398	8.643	8.457	5.965	7.517	8.719	9.131	7.181	8.632	8.606	9.406
YOS 5 TO 30+												
STRENGTH	250.961	246.747	244.999	245.859	242.484	242.430	241.940	240.948	240.527	239.659	238.373	236.335
PERCENT	0.0	-0.0168	-0.0238	-0.0203	-0.0338	-0.0340	-0.0359	-0.0399	-0.0416	-0.0450	-0.0502	-0.0583
DELTA(BASE)	0.0	-4.214	-5.962	-5.102	-8.477	-8.531	-9.021	-10.013	-10.434	-11.302	-12.588	-14.626
YOS 5 TO 20												
STRENGTH	225.502	223.881	224.242	226.772	223.571	223.623	221.923	220.124	221.150	219.135	218.315	216.122
PERCENT	0.0	-0.0072	-0.0056	0.0056	-0.0086	-0.0083	-0.0159	-0.0238	-0.0193	-0.0282	-0.0319	-0.0416
DELTA(BASE)	0.0	-1.621	-1.260	1.270	-1.931	-1.879	-3.579	-5.378	-4.352	-6.367	-7.187	-9.380
YOS 21 TO 30												
STRENGTH	25.198	22.719	20.577	18.920	18.783	18.714	19.942	20.754	19.295	20.432	19.995	20.136
PERCENT	0.0	-0.0984	-0.1834	-0.2491	-0.2546	-0.2573	-0.2086	-0.1764	-0.2343	-0.1891	-0.2065	-0.2009
DELTA(BASE)	0.0	-2.479	-4.621	-6.278	-6.415	-6.484	-5.256	-4.444	-5.903	-4.766	-5.203	-5.062

Table L. D-23

Transition Case 2

FILE: USAFE TRN7CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: ETRN7YRF SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	61.718	70.568	71.789	71.571	68.958	70.932	72.391	72.968	70.883	72.546	72.456	72.873
DELTA(BASE)	-0.000	1.452	1.428	1.396	1.275	1.697	1.954	2.119	1.984	2.196	2.132	1.749
YOS 5 TO 30+ STRENGTH	250.961	245.245	242.202	241.966	237.766	237.438	236.431	234.802	233.882	232.614	231.312	230.154
DELTA(BASE)	0.0	-1.502	-2.797	-3.893	-4.718	-4.992	-5.509	-6.146	-6.645	-7.045	-7.061	-6.181
YOS 5 TO 20 STRENGTH	225.502	222.791	222.166	223.790	219.824	219.688	217.769	215.707	216.413	214.308	213.821	212.941
DELTA(BASE)	0.0	-1.090	-2.076	-2.982	-3.747	-3.935	-4.154	-4.417	-4.737	-4.827	-4.494	-3.181
YOS 21 TO 30 STRENGTH	25.198	22.287	19.824	17.977	17.786	17.595	18.530	18.968	17.324	18.153	17.399	17.103
DELTA(BASE)	0.0	-0.432	-0.753	-0.943	-0.997	-1.119	-1.412	-1.786	-1.971	-2.279	-2.596	-3.033

Table L. D-24

Transition Case 3

FILE: USAFE TRN7CAS3 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: ETRN7YRF SCENARIO: 3

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	61.718	72.544	73.439	73.053	70.421	72.893	74.347	74.889	72.700	74.582	74.338	74.480
DELTA(BASE)	-0.000	3.428	3.678	2.878	2.738	3.658	3.910	4.040	3.801	4.233	4.014	3.356
YOS 5 TO 30+												
STRENGTH	250.961	243.270	238.809	237.478	232.345	231.891	230.579	228.611	227.492	226.126	224.764	224.441
DELTA(BASE)	0.0	-3.477	-6.190	-8.381	-10.139	-10.539	-11.361	-12.337	-13.035	-13.533	-13.609	-11.894
YOS 5 TO 20												
STRENGTH	225.502	221.829	220.331	221.142	216.493	215.429	214.427	212.172	212.669	210.663	210.367	210.569
DELTA(BASE)	0.0	-2.052	-3.911	-5.630	-7.078	-7.194	-7.496	-7.952	-8.481	-8.532	-7.948	-5.553
YOS 21 TO 30												
STRENGTH	25.198	21.258	18.237	16.110	15.675	15.293	16.010	16.306	14.679	15.381	14.322	13.784
DELTA(BASE)	0.0	-1.461	-2.340	-2.810	-3.108	-3.421	-3.932	-4.448	-4.616	-5.051	-5.673	-6.352

Table L. D-25

Transition Case 4

FILE: USAFE 7562CAS2 AT VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: E7562-TF SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	61.718	67.974	69.138	68.809	66.283	67.449	68.726	69.108	66.945	68.633	68.036	69.010
DELTA(BASE)	-0.000	-1.142	-1.223	-1.366	-1.400	-1.786	-1.711	-1.741	-1.954	-1.717	-2.288	-2.114
YOS 5 TO 30+												
STRENGTH	250.961	247.835	247.144	249.103	246.729	247.259	247.153	246.458	246.482	245.538	245.619	243.651
DELTA(BASE)	0.0	1.088	2.145	3.244	4.245	4.829	5.213	5.510	5.955	5.879	7.246	7.316
YOS 5 TO 20												
STRENGTH	225.502	225.380	227.107	230.927	228.787	229.509	228.492	227.362	229.013	227.366	228.041	224.736
DELTA(BASE)	0.0	1.499	2.865	4.155	5.216	5.886	6.569	7.238	7.863	8.231	9.726	8.614
YOS 21 TO 30												
STRENGTH	25.198	22.288	19.825	17.977	17.786	17.595	18.529	18.969	17.324	18.019	17.486	18.695
DELTA(BASE)	0.0	-0.431	-0.752	-0.943	-0.997	-1.119	-1.413	-1.785	-1.971	-2.413	-2.509	-1.441

Table L. D-26

Transition Case 5

FILE: USAFE 5062CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: E5062-1F SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	61.718	70.072	70.903	70.404	67.830	69.452	70.729	71.067	68.781	70.990	69.522	70.288
DELTA(BASE)	-0.000	0.956	0.542	0.229	0.147	0.217	0.292	0.218	-0.118	0.640	-0.802	-0.836
YOS 5 TO 30+												
STRENGTH	250.961	245.738	243.527	244.305	240.954	241.433	241.077	240.101	239.977	238.652	240.656	239.686
DELTA(BASE)	0.0	-1.009	-1.472	-1.554	-1.530	-0.997	-0.863	-0.847	-0.550	-1.007	2.283	3.351
YOS 5 TO 20												
STRENGTH	225.502	224.297	225.049	227.969	225.102	225.970	224.927	223.663	225.155	223.457	224.021	221.044
DELTA(BASE)	0.0	0.416	0.807	1.197	1.531	2.347	3.004	3.539	4.005	4.322	5.706	4.922
YOS 21 TO 30												
STRENGTH	25.198	21.258	18.237	16.110	15.675	15.294	16.008	16.305	14.678	15.053	16.560	18.416
DELTA(BASE)	0.0	-1.461	-2.340	-2.810	-3.108	-3.420	-3.934	-4.449	-4.617	-5.379	-3.435	-1.720

Table L. D-27

Transition Case 1

FILE: DODO TRN7CAS0 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

DOD FILE: TRN7 SCENARIO: 0

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	21.385	23.790	26.848	26.824	26.884	27.015	27.027	27.162	27.054	26.920	26.559	25.706
DELTA(BASE)	0.0	2.405	5.463	5.439	5.499	5.630	5.642	5.777	5.669	5.535	5.174	4.321
YOS 5 TO 30+												
STRENGTH	196.380	191.858	184.218	179.436	174.829	172.174	171.999	171.688	171.552	171.667	173.069	175.737
PERCENT	0.0	-0.0230	-0.0619	-0.0863	-0.1097	-0.1233	-0.1242	-0.1257	-0.1264	-0.1258	-0.1187	-0.1051
DELTA(BASE)	0.0	-4.522	-12.162	-16.944	-21.551	-24.206	-24.381	-24.692	-24.828	-24.713	-23.311	-20.643
YOS 5 TO 20												
STRENGTH	166.540	163.699	155.598	150.878	146.298	144.005	144.311	144.496	145.442	146.742	152.394	157.820
PERCENT	0.0	-0.0171	-0.0657	-0.0940	-0.1215	-0.1353	-0.1335	-0.1324	-0.1267	-0.1189	-0.0849	-0.0524
DELTA(BASE)	0.0	-2.841	-10.942	-15.662	-20.242	-22.535	-22.229	-22.044	-21.098	-19.798	-14.146	-8.720
YOS 21 TO 30												
STRENGTH	28.882	27.188	27.736	27.741	27.748	27.405	26.960	26.482	25.370	24.202	19.994	17.373
PERCENT	0.0	-0.0587	-0.0397	-0.0395	-0.0393	-0.0511	-0.0665	-0.0831	-0.1216	-0.1620	-0.3077	-0.3985
DELTA(BASE)	0.0	-1.694	-1.146	-1.141	-1.134	-1.477	-1.922	-2.400	-3.512	-4.680	-8.888	-11.509

Table L. D-28

Transition Case 2

FILE: DODO TRN7CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

DOD FILE: TRN7 SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	21.385	24.239	27.486	27.550	27.620	27.862	27.937	28.118	27.901	27.795	27.458	26.568
DELTA(BASE)	0.0	0.449	0.638	0.726	0.736	0.847	0.910	0.956	0.847	0.875	0.899	0.862
YOS 5 TO 30+												
STRENGTH	196.380	191.526	183.334	177.919	172.726	169.733	169.314	168.792	168.582	168.679	170.149	172.764
DELTA(BASE)	-0.000	-0.332	-0.884	-1.517	-2.103	-2.441	-2.685	-2.896	-2.970	-2.988	-2.920	-2.973
YOS 5 TO 20												
STRENGTH	166.540	163.062	154.233	148.816	143.631	141.081	141.316	141.462	142.374	143.713	149.809	155.718
DELTA(BASE)	0.0	-0.637	-1.365	-2.068	-2.667	-2.924	-2.995	-3.034	-3.068	-3.029	-2.585	-2.102
YOS 21 TO 30												
STRENGTH	28.882	27.330	27.918	27.934	27.930	27.806	26.748	26.079	24.899	23.678	19.177	16.130
DELTA(BASE)	-0.000	0.142	0.182	0.193	0.182	0.001	-0.212	-0.403	-0.471	-0.524	-0.817	-1.243

Table L. D-29

Transition Case 3

FILE: DOBC TRN7CAS3 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

DOB FILE: TRN7 SCENARIO: 3

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	21.385	25.429	28.593	28.616	28.691	28.933	28.990	29.171	28.924	28.783	28.369	27.441
DELTA(BASE)	0.0	1.639	1.745	1.792	1.867	1.918	1.963	2.009	1.870	1.863	1.810	1.735
YOS 5 TO 30+												
STRENGTH	196.380	190.431	181.237	174.910	168.913	166.041	165.659	165.158	164.993	165.172	166.971	169.806
DELTA(BASE)	-0.000	-1.427	-2.981	-4.526	-5.916	-6.133	-6.340	-6.539	-6.559	-6.495	-6.098	-5.931
YOS 5 TO 20												
STRENGTH	166.540	162.272	152.733	146.653	140.945	138.739	139.238	139.565	140.633	142.118	148.715	154.884
DELTA(BASE)	0.0	-1.427	-2.865	-4.225	-5.353	-5.266	-5.073	-4.931	-4.809	-4.624	-3.679	-2.936
YOS 21 TO 30												
STRENGTH	26.882	26.966	27.212	26.957	26.663	25.915	25.032	24.207	22.913	21.645	17.067	14.002
DELTA(BASE)	-0.000	-0.222	-0.524	-0.784	-1.085	-1.490	-1.928	-2.275	-2.457	-2.557	-2.927	-3.371

Table L. D-30

Transition Case 4

FILE: DOD0 7562CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

DOD FILE: 7562 SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	21.385	22.321	25.970	26.035	26.263	26.381	26.499	26.658	26.552	26.413	26.252	25.492
DELTA(BASE)	0.0	-1.469	-0.878	-0.789	-0.621	-0.634	-0.528	-0.504	-0.502	-0.507	-0.307	-0.214
YOS 5 TO 30+												
STRENGTH	196.380	193.173	186.267	182.195	177.854	174.471	173.985	173.425	173.179	173.187	174.213	176.296
DELTA(BASE)	-0.000	1.315	2.849	2.669	3.025	2.297	1.986	1.737	1.627	1.520	1.144	0.559
YOS 5 TO 20												
STRENGTH	166.540	163.750	155.585	150.840	146.274	142.997	142.930	142.871	143.740	144.980	150.903	156.414
DELTA(BASE)	0.0	0.051	-0.013	-0.038	-0.024	-1.008	-1.381	-1.625	-1.702	-1.762	-1.491	-1.406
YOS 21 TO 30												
STRENGTH	28.882	28.221	29.314	29.748	29.871	29.525	28.982	28.352	26.957	25.690	21.061	18.099
DELTA(BASE)	-0.000	1.033	1.578	2.007	2.123	2.120	2.022	1.870	1.587	1.488	1.067	0.726

Table L. D-31

Transition Case 5

FILE: DODO 5062CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

DOD FILE: 5062 SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	21.385	22.152	25.960	26.089	26.074	26.204	26.385	26.596	26.279	26.108	25.998	25.187
DELTA(BASE)	0.0	-1.638	-0.888	-0.735	-0.810	-0.811	-0.642	-0.566	-0.775	-0.812	-0.561	-0.519
YOS 5 TO 30+												
STRENGTH	196.380	193.341	186.445	182.203	178.121	174.786	174.380	173.889	173.740	173.893	175.012	177.455
DELTA(BASE)	-0.000	1.483	2.227	2.767	3.292	2.612	2.381	2.201	2.188	2.226	1.943	1.718
YOS 5 TO 20												
STRENGTH	166.540	164.174	156.395	151.987	147.696	144.538	144.626	144.761	145.623	146.834	152.439	157.790
DELTA(BASE)	0.0	0.475	0.797	1.109	1.398	0.533	0.315	0.265	0.181	0.092	0.045	-0.030
YOS 21 TO 30												
STRENGTH	28.882	27.912	28.643	28.769	28.916	28.570	28.000	27.306	26.133	24.980	20.724	18.161
DELTA(BASE)	-0.000	0.724	0.907	1.028	1.168	1.165	1.040	0.824	0.763	0.778	0.730	0.788

Table L. D-32

Transition Case 1

FILE ARMYO TRN7CASO A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: OTRN7YRA SCENARIO: 0

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	7.651	9.620	9.562	9.562	9.610	9.640	9.678	9.692	9.690	9.654	9.490	9.317
DELTA(BASE)	0.0	1.969	1.911	1.911	1.959	1.989	2.027	2.041	2.039	2.003	1.839	1.666
YOS 5 TO 30+												
STRENGTH	60.920	60.015	58.212	56.374	54.948	54.913	54.808	54.695	54.629	54.625	55.165	55.691
PERCENT	0.0	-0.0149	-0.0445	-0.0746	-0.0980	-0.0986	-0.1003	-0.1022	-0.1033	-0.1033	-0.0945	-0.0858
DELTA(BASE)	0.0	-0.905	-2.708	-4.546	-5.972	-6.007	-6.112	-6.225	-6.291	-6.295	-5.755	-5.229
YOS 5 TO 20												
STRENGTH	51.547	51.063	48.825	47.146	46.064	46.425	46.482	46.670	46.875	47.219	48.923	50.018
PERCENT	0.0	-0.0094	-0.0528	-0.0854	-0.1064	-0.0994	-0.0983	-0.0946	-0.0906	-0.0840	-0.0509	-0.0297
DELTA(BASE)	0.0	-0.484	-2.722	-4.401	-5.483	-5.122	-5.065	-4.877	-4.672	-4.328	-2.624	-1.529
YOS 21 TO 30												
STRENGTH	9.157	8.707	9.155	8.981	8.634	8.245	8.094	7.789	7.496	7.143	6.025	5.499
PERCENT	0.0	-0.0491	-0.0002	-0.0192	-0.0571	-0.0996	-0.1161	-0.1494	-0.1814	-0.2199	-0.3420	-0.3995
DELTA(BASE)	0.0	-0.450	-0.002	-0.176	-0.523	-0.912	-1.063	-1.368	-1.661	-2.014	-3.132	-3.658

Table L. D-33

Transition Case 2

FILE: ARMYO TRN7CAS' A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: OTRN7YRA SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	7.651	9.849	9.823	9.832	9.884	9.938	9.994	10.017	9.982	9.970	9.800	9.615
DELTA(BASE)	-0.000	0.229	0.261	0.270	0.274	0.298	0.316	0.325	0.292	0.316	0.310	0.298
YOS 5 TO 30+												
STRENGTH	60.920	59.846	57.813	55.757	54.140	54.045	53.885	53.724	53.654	53.641	54.172	54.717
DELTA(BASE)	0.0	-0.169	-0.399	-0.617	-0.808	-0.868	-0.923	-0.971	-0.975	-0.984	-0.993	-0.974
YOS 5 TO 20												
STRENGTH	51.547	50.843	48.350	46.428	45.165	45.492	45.557	45.755	45.970	46.329	48.184	49.442
DELTA(BASE)	0.0	-0.220	-0.475	-0.718	-0.899	-0.933	-0.925	-0.915	-0.905	-0.890	-0.739	-0.576
YOS 21 TO 30												
STRENGTH	9.157	8.711	9.150	8.973	8.601	8.160	7.939	7.565	7.246	6.865	5.628	4.598
DELTA(BASE)	0.0	0.004	-0.005	-0.008	-0.033	-0.085	-0.155	-0.224	-0.250	-0.278	-0.397	-0.501

Table L. D-34

Transition Case 3

FILE: ARMYO TRN7CAS3 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

FILE: OTRN7YRA SCENARIO: 3 YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	7.651	10.259	10.205	10.199	10.259	10.312	10.360	10.373	10.333	10.310	10.112	9.925
DELTA(BASE)	-0.000	0.639	0.643	0.637	0.649	0.672	0.682	0.681	0.643	0.656	0.622	0.608
YOS 5 TO 30+ STRENGTH	60.920	59.480	57.104	54.752	52.876	52.812	52.667	52.520	52.470	52.484	53.134	53.724
DELTA(BASE)	0.0	-0.535	-1.108	-1.622	-2.070	-2.101	-2.141	-2.175	-2.159	-2.141	-2.037	-1.967
YOS 5 TO 20 STRENGTH	51.547	50.569	47.825	45.675	44.246	44.671	44.838	45.103	45.387	45.800	47.831	49.167
DELTA(BASE)	0.0	-0.494	-1.000	-1.471	-1.818	-1.754	-1.644	-1.567	-1.488	-1.419	-1.092	-0.851
YOS 21 TO 30 STRENGTH	9.157	8.803	8.937	8.683	8.215	7.702	7.393	6.967	6.597	6.195	4.932	4.284
DELTA(BASE)	0.0	-0.104	-0.218	-0.298	-0.419	-0.543	-0.701	-0.822	-0.899	-0.948	-1.093	-1.215

Table L. D-35

Transition Case 4

FILE: ARMYO 7562CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

FILE: 07562-1A SCENARIO: 2 YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	7.651	9.181	9.249	9.213	9.323	9.335	9.399	9.430	9.497	9.459	9.364	9.183
DELTA(BASE)	-0.000	-0.439	-0.313	-0.344	-0.287	-0.305	-0.279	-0.262	-0.193	-0.195	-0.126	-0.134
YOS 5 TO 30+												
STRENGTH	60.920	60.384	58.834	57.264	56.004	55.868	55.727	55.547	55.383	55.286	55.536	55.998
DELTA(BASE)	0.0	0.369	0.622	0.890	1.056	0.955	0.919	0.852	0.754	0.661	0.371	0.307
YOS 5 TO 20												
STRENGTH	51.547	51.078	48.838	47.159	46.116	46.266	46.239	46.339	46.502	46.801	48.575	49.770
DELTA(BASE)	0.0	0.015	0.015	0.013	0.052	-0.159	-0.243	-0.331	-0.373	-0.418	-0.348	-0.248
YOS 21 TO 30												
STRENGTH	9.157	9.000	9.639	9.634	9.327	8.979	8.833	8.484	8.043	7.621	6.264	5.684
DELTA(BASE)	0.0	0.293	0.484	0.653	0.693	0.734	0.739	0.695	0.547	0.478	0.239	0.185

Table L. D-36

Transition Case 5

FILE: ARMY0 5062CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM

FILE: 05062-1A SCENARIO: 2 YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	7.651	9.085	9.230	9.176	9.177	9.246	9.362	9.389	9.372	9.347	9.271	9.065
DELTA(BASE)	-0.000	-0.535	-0.332	-0.386	-0.433	-0.394	-0.316	-0.303	-0.318	-0.307	-0.219	-0.252
YOS 5 TO 30+ STRENGTH	60.920	60.479	58.944	57.403	56.276	56.146	56.094	55.806	55.641	55.577	55.880	56.372
DELTA(BASE)	0.0	0.464	0.732	1.629	1.328	1.233	1.196	1.111	1.012	0.952	0.715	0.681
YOS 5 TO 20 STRENGTH	51.547	51.223	49.112	47.551	46.588	46.737	46.725	46.831	46.929	47.207	48.885	49.995
DELTA(BASE)	0.0	0.160	0.287	0.805	0.524	0.312	0.243	0.161	0.054	-0.012	-0.038	-0.023
YOS 21 TO 30 STRENGTH	9.157	8.936	9.465	9.414	9.200	8.874	8.723	8.373	8.039	7.642	6.392	5.894
DELTA(BASE)	0.0	0.229	0.310	0.433	0.566	0.629	0.629	0.584	0.543	0.499	0.367	0.395

Table L. D-37

Transition Case 1

FILE: NAVYO TRN7CASO A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: GTRN7YRN SCENARIO: 0

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	5.389	4.093	6.339	6.231	6.263	6.284	6.263	6.319	6.305	6.321	6.370	6.199
DELTA(BASE)	0.0	-1.296	0.950	0.842	0.874	0.895	0.874	0.930	0.916	0.932	0.981	0.810
YOS 5 TO 30+												
STRENGTH	45.522	44.817	42.655	41.920	41.035	39.266	39.320	39.240	39.202	39.169	38.969	39.404
PERCENT	0.0	-0.0155	-0.0630	-0.0791	-0.0986	-0.1374	-0.1362	-0.1380	-0.1388	-0.1396	-0.1440	-0.1344
DELTA(BASE)	0.0	-0.705	-2.867	-3.602	-4.487	-6.256	-6.202	-6.282	-6.320	-6.353	-6.553	-6.118
YOS 5 TO 20												
STRENGTH	38.282	37.832	35.819	35.209	34.167	32.208	32.351	32.369	32.545	32.785	33.410	34.752
PERCENT	0.0	-0.0118	-0.0643	-0.0803	-0.1075	-0.1587	-0.1549	-0.1545	-0.1499	-0.1436	-0.1273	-0.0922
DELTA(BASE)	0.0	-0.450	-2.463	-3.073	-4.115	-6.074	-5.931	-5.913	-5.737	-5.497	-4.872	-3.530
YOS 21 TO 30												
STRENGTH	6.889	6.624	6.483	6.387	6.556	6.748	6.677	6.582	6.374	6.116	5.288	4.428
PERCENT	0.0	-0.0385	-0.0589	-0.0729	-0.0483	-0.0205	-0.0308	-0.0446	-0.0748	-0.1122	-0.2324	-0.3572
DELTA(BASE)	0.0	-0.265	-0.406	-0.502	-0.333	-0.141	-0.212	-0.307	-0.515	-0.773	-1.601	-2.461

Table L. D-38

Transition Case 2

FILE: NAVYO TRN7CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: OTRN7YRN SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	5.389	4.167	6.450	6.332	6.385	6.451	6.442	6.515	6.501	6.521	6.580	6.400
DELTA(BASE)	0.0	0.074	0.111	0.101	0.122	0.167	0.179	0.196	0.196	0.200	0.210	0.201
YOS 5 TO 30+												
STRENGTH	45.522	44.764	42.513	41.690	40.698	39.850	38.847	38.681	38.578	38.514	38.305	38.691
DELTA(BASE)	-0.000	-0.053	-0.142	-0.230	-0.337	-0.416	-0.473	-0.559	-0.624	-0.655	-0.664	-0.713
YOS 5 TO 20												
STRENGTH	38.282	37.674	35.491	34.723	33.538	31.508	31.612	31.574	31.709	31.939	32.641	34.106
DELTA(BASE)	0.0	-0.158	-0.328	-0.486	-0.629	-0.700	-0.739	-0.795	-0.836	-0.846	-0.769	-0.646
YOS 21 TO 30												
STRENGTH	6.889	6.706	6.613	6.575	6.772	6.913	6.804	6.665	6.433	6.159	5.261	4.251
DELTA(BASE)	0.0	0.082	0.132	0.188	0.216	0.165	0.127	0.083	0.059	0.043	-0.027	-0.177

Table L. D-39

Transition Case 3

FILE: NAVYO TRN7CAS3 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: OTRN7YRN SCENARIO: 3

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	5.389	4.429	6.686	6.559	6.616	6.684	6.682	6.762	6.744	6.761	6.808	6.612
DELTA(BASE)	0.0	0.336	0.347	0.328	0.353	0.400	0.419	0.443	0.439	0.440	0.438	0.413
YOS 5 TO 30+												
STRENGTH	45.522	44.523	42.062	41.035	39.868	38.053	38.038	37.855	37.745	37.678	37.493	37.959
DELTA(BASE)	-0.000	-0.294	-0.593	-0.885	-1.167	-1.213	-1.282	-1.385	-1.457	-1.491	-1.476	-1.445
YOS 5 TO 20												
STRENGTH	38.282	37.487	35.139	34.214	32.907	30.966	31.108	31.093	31.244	31.487	32.308	33.864
DELTA(BASE)	0.0	-0.345	-0.680	-0.995	-1.260	-1.242	-1.243	-1.276	-1.301	-1.298	-1.102	-0.888
YOS 21 TO 30												
STRENGTH	6.889	6.632	6.480	6.387	6.526	6.609	6.452	6.274	6.016	5.732	4.770	3.751
DELTA(BASE)	0.0	0.008	-0.003	-0.009	-0.030	-0.139	-0.225	-0.308	-0.358	-0.384	-0.518	-0.677

Table L. D-40

Transition Case 4

FILE: NAVYO 7562CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: 07562-1N SCENARIO: 2 YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	5.389	3.686	6.011	5.947	6.025	6.091	6.073	6.142	6.126	6.155	6.242	6.116
DELTA(BASE)	0.0	-0.407	-0.328	-0.284	-0.238	-0.193	-0.190	-0.177	-0.179	-0.166	-0.128	-0.083
YOS 5 TO 30+ STRENGTH	45.522	45.186	43.317	42.826	42.115	40.135	40.076	39.896	39.810	39.749	39.487	39.650
DELTA(BASE)	-0.000	0.369	0.662	0.906	1.080	0.869	0.756	0.656	0.608	0.580	0.518	0.246
YOS 5 TO 20 STRENGTH	38.282	37.859	35.836	35.236	34.206	31.944	31.917	31.813	31.929	32.145	32.788	34.082
DELTA(BASE)	0.0	0.027	0.017	0.027	0.039	-0.264	-0.434	-0.556	-0.616	-0.640	-0.622	-0.670
YOS 21 TO 30 STRENGTH	6.889	6.920	7.020	7.105	7.371	7.566	7.505	7.376	7.137	6.870	5.977	4.962
DELTA(BASE)	0.0	0.296	0.537	0.718	0.815	0.818	0.828	0.794	0.763	0.754	0.689	0.534

Table L. D-41

Transition Case 5

FILE: NAVYO 5062CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: 05062-1N SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	5.389	3.675	6.009	5.945	6.026	6.088	6.048	6.103	6.088	6.111	6.191	6.046
DELTA(BASE)	0.0	-0.418	-0.330	-0.286	-0.237	-0.196	-0.215	-0.216	-0.217	-0.210	-0.179	-0.153
YOS 5 TO 30+												
STRENGTH	45.522	45.198	43.331	42.840	42.122	40.140	40.099	39.959	39.907	39.883	39.621	39.907
DELTA(BASE)	-0.000	0.381	0.676	0.920	1.087	0.874	0.779	0.719	0.705	0.714	0.652	0.503
YOS 5 TO 20												
STRENGTH	38.282	37.954	36.019	35.496	34.528	32.313	32.328	32.265	32.413	32.657	33.219	34.474
DELTA(BASE)	0.0	0.122	0.200	0.287	0.361	0.105	-0.023	-0.104	-0.132	-0.128	-0.191	-0.278
YOS 21 TO 30												
STRENGTH	6.889	6.818	6.839	6.861	7.086	7.239	7.159	7.046	6.826	6.552	5.763	4.886
DELTA(BASE)	0.0	0.194	0.356	0.474	0.530	0.491	0.482	0.464	0.452	0.436	0.475	0.458

Table L. D-42

Transition Case i

FILE: USMCO TRN7CAS0 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: OTRN7YRM SCENARIO: 0

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	1.467	1.405	1.812	1.790	1.780	1.813	1.808	1.817	1.799	1.763	1.807	1.747
DELTA(BASE)	0.0	-0.062	0.345	0.323	0.313	0.346	0.341	0.350	0.332	0.296	0.340	0.280
YOS 5 TO 30+												
STRENGTH	12.621	12.345	11.520	11.2.7	10.947	10.617	10.619	10.591	10.577	10.630	10.624	10.762
PERCENT	0.0	-0.0216	-0.0872	-0.1089	-0.1326	-0.1588	-0.1586	-0.1608	-0.1620	-0.1578	-0..582	-0.1473
DELTA(BASE)	0.0	-0.272	-1.101	-1.374	-1.674	-2.004	-2.002	-2.030	-2.044	-1.991	-1.997	-1.859
YOS 5 TO 20												
STRENGTH	11.142	10.947	10.107	9.857	9.527	9.178	9.203	9.179	9.234	9.362	9.464	9.823
PERCENT	0.0	-0.0175	-0.0929	-0.1153	-0.1449	-0.1763	-0.1740	-0.1762	-0.1712	-0.1598	-0.1506	-0.1184
DELTA(BASE)	0.0	-0.195	-1.035	-1.285	-1.615	-1.964	-1.939	-1.963	-1.908	-1.780	-1.678	-1.319
YOS 21 TO 30												
STRENGTH	1.409	1.330	1.351	1.331	1.366	1.390	1.367	1.366	1.297	1.228	1.118	0.906
PERCENT	0.0	-0.0561	-0.0412	-0.0554	-0.0305	-0.0135	-0.0298	-0.0305	-0.0795	-0.1285	-0.2065	-0.3570
DELTA(BASE)	0.0	-0.079	-0.058	-0.078	-0.043	-0.019	-0.042	-0.043	-0.112	-0.181	-0.291	-0.503

Table L. D-43

Transition Case 2

FILE: USMCO TRN7CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: OTRN7YRM SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	1.[illegible]	1.427	1.838	1.823	1.818	1.866	1.862	1.869	1.845	1.810	1.859	1.794
DELTA(BASE)	-[illegible]	0.022	0.026	0.033	0.038	0.053	0.054	0.052	0.046	0.047	0.052	0.047
YOS 5 TO 30+												
STRENGTH	12.621	12.330	11.483	11.[illegible]77	10.845	10.492	10.465	10.4.9	10.462	1[illegible].457	10.466	10.600
DELTA(BASE)	-0.000	-0.019	-0.037	-0.0[illegible]0	-0.102	-0.125	-0.154	-0.172	-0.175	-0.173	-0.158	-0.162
YOS 5 TO 20												
STRENGTH	11.142	10.911	10.[illegible]31	9.742	9.378	9.034	9.026	8.991	9.046	9.175	9.307	9.683
DELTA(BASE)	-0.000	-0.036	-0.[illegible]76	-0.115	-0.149	-0.[illegible]04	-0.177	-0 188	-0.194	-0.187	-0.157	-0 140
YOS 21 TO 30												
STRENGTH	1.409	1.339	1.[illegible]75	1.[illegible]59	1.396	1.406	1.362	1.353	1.[illegible]85	1.214	1.091	0.865
DELTA(BASE)	-0.000	0.009	0.[illegible]24	0.028	0.030	0.[illegible]16	-0.005	-0.013	-0.012	-0.014	-0.027	-0.041

Table L. D-44

Transition Case 3

FILE: USMCG TRN7CAS3 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: OTRN7YRM SCENARIO: 3

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	1.467	1.488	1.895	1.877	1.874	1.925	1.921	1.928	1.903	1.864	1.910	1.842
DELTA(BASE)	-0.000	0.083	0.083	0.087	0.094	0.112	0.113	0.111	0.104	0.101	0.103	0.055
YOS 5 TO 30+												
STRENGTH	12.621	12.274	11.977	11.021	10.646	10.294	10.263	10.215	10.199	10.259	10.280	10.429
DELTA(BASE)	-0.000	-0.075	-0.143	-0.226	-0.301	-0.323	-0.356	-0.376	-0.375	-0.371	-0.344	-0.333
YOS 5 TO 20												
STRENGTH	11.142	10.867	9.952	9.627	9.232	8.885	8.902	8.871	8.928	9.069	9.227	9.616
DELTA(BASE)	-0.000	-0.080	-0.155	-0.230	-0.295	-0.293	-0.301	-0.308	-0.306	-0.293	-0.237	-0.207
YOS 21 TO 30												
STRENGTH	1.409	1.323	1.339	1.310	1.332	1.327	1.274	1.258	1.184	1.114	0.983	0.759
DELTA(BASE)	-0.000	-0.007	-0.012	-0.021	-0.034	-0.063	-0.093	-0.108	-0.113	-0.114	-0.135	-0.147

Table L. D-45

Transition Case 4

FILE: USMCO 7562CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: 07562-1M SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	1.467	1.320	1.753	1.755	1.751	1.792	1.793	1.797	1.779	1.737	1.785	1.722
DELTA(BASE)	-0.000	-0.085	-0.059	-0.035	-0.029	-0.021	-0.015	-0.020	-0.020	-0.026	-0.022	-0.025
YOS 5 TO 30+												
STRENGTH	12.621	12.425	11.650	11.410	11.123	10.734	10.696	10.657	10.639	10.692	10.709	10.826
DELTA(BASE)	-0.000	0.076	0.130	0.163	0.176	0.117	0.077	0.066	0.062	0.062	0.085	0.064
YOS 5 TO 20												
STRENGTH	11.142	10.955	10.118	9.174	9.546	9.140	9.136	9.106	9.161	9.292	9.430	9.780
DELTA(BASE)	-0.000	0.009	0.011	0.017	0.019	-0.038	-0.067	-0.073	-0.073	-0.070	-0.034	-0.043
YOS 21 TO 30												
STRENGTH	1.4)	..	1.4	1.438	1.474	1.483	1.433	1.420	1.336	1.270	1.158	0.951
DELTA(BASE)	-0.000	0.054	0.0	0.107	0.108	0.093	0.066	0.054	0.039	0.042	0.040	0.045

Table L. D-46

Transition Case 5

FILE: USMCO 5062CAS2 A1 — VM/SP CONVERSATIONAL MONITOR SYSTEM — PAGE 001

FILE: [illegible] SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	1.467	1.316	1.751	1.748	1.740	1.782	1.779	1.781	1.756	1.718	1.773	1.710
DELTA(BASE)	-0.000	[illegible]	-0.061	-0.042	-0.040	-0.031	-0.029	-0.036	-0.043	-0.045	-0.034	-0.037
YOS 5 TO 30+												
STRENGTH	12.621	12.428	[illegible]	11.418	11.185	10.764	10.736	10.[illegible]4	10.696	10.758	10.742	10.886
DELTA(BASE)	-0.000	0.079	[illegible]	0.171	0.198	0.147	0.117	0.[illegible]3	0.119	0.128	0.118	0.124
YOS 5 TO 20												
STRENGTH	11.142	10.976	10.156	9.923	9.613	9.218	9.221	9.195	9.249	9.380	9.477	9.831
DELTA(BASE)	-0.000	0.029	0.049	0.066	0.086	0.040	0.018	0.016	0.015	0.018	0.013	0.008
YOS 21 TO 30												
STRENGTH	1.409	1.363	1.407	1.400	1.439	1.451	1.409	1.402	1.333	1.270	1.164	0.973
DELTA(BASE)	-0.000	0.033	[illegible]	0.069	0.073	0.061	0.042	0.036	0.036	0.042	0.046	0.067

Table L. D-47

Transition Case 1

FILE: USAFO TRN7CASO A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: OTRN7YRF SCENARIO: 0

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	6.878	8.672	9.135	9.241	9.231	9.278	9.278	9.334	9.260	9.182	8.892	8.443
DELTA(BASE)	0.0	1.794	2.257	2.363	2.353	2.400	2.400	2.456	2.382	2.304	2.014	1.565
YOS 5 TO 30+												
STRENGTH	77.317	74.677	71.831	69.895	67.899	67.378	67.252	67.162	67.144	67.243	68.311	69.880
PERCENT	0.0	-0.0341	-0.0710	-0.0960	-0.1218	-0.1285	-0.1302	-0.1313	-0.1316	-0.1303	-0.1165	-0.0962
DELTA(BASE)	0.0	-2.640	-5.486	-7.422	-9.418	-9.939	-10.065	-10.155	-10.173	-10.074	-9.006	-7.437
YOS 5 TO 20												
STRENGTH	65.569	63.857	60.847	58.666	56.540	56.194	56.275	56.278	56.788	57.376	60.597	63.227
PERCENT	0.0	-0.0261	-0.0720	-0.1053	-0.1377	-0.1430	-0.1417	-0.1417	-0.1339	-0.1250	-0.0758	-0.0357
DELTA(BASE)	0.0	-1.712	-4.722	-6.903	-9.029	-9.375	-9.294	-9.291	-8.781	-8.193	-4.972	-2.342
YOS 21 TO 30												
STRENGTH	11.427	10.527	10.747	11.042	11.192	11.022	10.822	10.745	10.203	9.715	7.563	6.540
PERCENT	0.0	-0.0788	-0.0595	-0.0337	-0.0206	-0.0354	-0.0529	-0.0597	-0.1071	-0.1498	-0.3381	-0.4277
DELTA(BASE)	0.0	-0.900	-0.680	-0.385	-0.235	-0.405	-0.605	-0.682	-1.224	-1.712	-3.864	-4.887

Table L. D-48

Transition Case 2

FILE: USAFO TRN7CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: OTRN7YRF SCENARIO: 2 YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	6.878	8.796	9.375	9.563	9.533	9.607	9.639	9.717	9.573	9.[illegible]94	9.219	8.759
DELTA(BASE)	-0.000	0.124	0.240	0.322	0.302	0.329	0.361	0.383	0.313	0.3[illegible]2	0.327	0.316
YOS 5 TO 30+ STRENGTH	77.317	74.586	71.525	69.295	67.043	66.346	66.117	65.968	65.948	66.067	67.206	68.756
DELTA(BASE)	-0.000	-0.091	-0.306	-0.600	-0.856	-1.032	-1.135	-1.194	-1.196	-1.176	-1.105	-1.124
YOS 5 TO 20 STRENGTH	65.569	63.634	60.361	57.917	55.550	55.067	55.121	55.142	55.655	56.270	59.677	62.487
DELTA(BASE)	-0.000	-0.223	-0.486	-0.749	-0.990	-1.127	-1.154	-1.136	-1.133	-1.108	-0.920	-0.740
YOS 21 TO 30 STRENGTH	11.427	10.574	10.778	11.027	11.161	10.927	10.643	10.496	9.935	9.440	7.197	6.016
DELTA(BASE)	-0.000	0.047	0.031	-0.015	-0.031	-0.095	-0.179	-0.249	-0.268	-0.275	-0.366	-0.524

Table L. D-49

Transition Case 3

FILE: USAFO TRN7CAS3 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: OTRN7YRF SCENARIO: 3

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	6.878	9.253	9.807	9.981	9.942	10.012	10.027	10.108	9.944	9.848	9.539	9.062
DELTA(BASE)	-0.000	0.581	0.672	0.746	0.711	0.734	0.749	0.774	0.684	0.666	0.647	0.619
YOS 5 TO 30+												
STRENGTH	77.317	74.154	70.694	68.102	65.521	64.882	64.691	64.568	64.579	64.751	66.064	67.694
DELTA(BASE)	-0.000	-0.523	-1.137	-1.793	-2.378	-2.496	-2.561	-2.594	-2.565	-2.492	-2.247	-2.186
YOS 5 TO 20												
STRENGTH	65.569	63.369	59.817	57.137	54.560	54.217	54.390	54.498	55.074	55.762	59.349	62.237
DELTA(BASE)	-0.000	-0.508	-1.030	-1.529	-1.980	-1.977	-1.885	-1.780	-1.714	-1.614	-1.248	-0.990
YOS 21 TO 30												
STRENGTH	11.427	10.408	10.456	10.577	10.590	10.277	9.913	9.708	9.116	8.604	6.382	5.208
DELTA(BASE)	-0.000	-0.119	-0.291	-0.465	-0.602	-0.745	-0.909	-1.037	-1.087	-1.111	-1.181	-1.332

Table L. D-50

Transition Case 4

FILE: USAFC 7562CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: 07562-1F SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	6.878	8.134	8.95[illegible]	9.115	9.164	9.163	9.234	9.289	9.150	9.062	8.861	8.471
DELTA(BASE)	-0.000	-0.538	-0.173	-0.126	-0.067	-0.115	-0.044	-0.045	-0.110	-0.120	-0.031	0.028
YOS 5 TO 30+												
STRENGTH	77.317	75.178	72.466	70.605	68.612	67.734	67.486	67.325	67.347	67.460	68.481	69.822
DELTA(BASE)	-0.000	0.501	0.635	0.710	0.713	0.356	0.234	0.163	0.203	0.217	0.170	-0.058
YOS 5 TO 20												
STRENGTH	65.569	63.858	60.793	58.571	56.406	55.647	55.638	55.613	56.148	56.742	60.110	62.782
DELTA(BASE)	-0.000	0.001	-0.054	-0.095	-0.134	-0.547	-0.637	-0.665	-0.640	-0.634	-0.487	-0.445
YOS 21 TO 30												
STRENGTH	11.427	10.917	11.215	11.571	11.699	11.497	11.211	11.072	10.441	9.929	7.662	6.592
DELTA(BASE)	-0.000	0.390	0.468	0.529	0.507	0.475	0.389	0.327	0.238	0.214	0.099	-0.038

Table L. D-51

Transition Case 5

FILE: USAFO 5062CAS2 A1 VM/SP CONVERSATIONAL MONITOR SYSTEM PAGE 001

FILE: 05062-1F SCENARIO: 2

YEAR:	1	2	3	4	5	6	7	8	9	10	15	20
ACCESSIONS	6.878	8.076	8.970	9.220	9.131	9.088	9.196	9.323	9.063	8.932	8.763	8.366
DELTA(BASE)	-0.000	-0.596	-0.165	-0.021	-0.100	-0.190	-0.082	-0.011	-0.197	-0.250	-0.129	-0.077
YOS 5 TO 30+												
STRENGTH	77.317	75.236	72.511	70.542	68.578	67.736	67.541	67.420	67.496	67.675	68.769	70.290
DELTA(BASE)	-0.000	0.559	0.680	0.647	0.679	0.358	0.289	0.258	0.352	0.432	0.458	0.410
YOS 5 TO 20												
STRENGTH	65.569	64.021	61.108	59.017	56.967	56.270	56.352	56.470	57.032	57.590	60.858	63.490
DELTA(BASE)	-0.000	0.154	0.261	0.351	0.427	0.076	0.077	0.192	0.244	0.274	0.261	0.263
YOS 21 TO 30												
STRENGTH	11.427	10.795	10.932	11.094	11.191	11.006	10.709	10.485	9.935	9.516	7.405	6.408
DELTA(BASE)	-0.000	0.268	0.185	0.052	-0.001	-0.016	-0.113	-0.260	-0.268	-0.199	-0.158	-0.132

E. ADDITIONAL ALTERNATIVE. One of the many Combination variations examined either at the Fifth QRMC's initiative or as a result of Service request included a different method of handling both the COLA aspect and the pre-30 YOS retiree pay adjustment. This alternative is defined as the CPI minus 1% for life combined with a 1% subtraction for each year a retiree leaves before 30 YOS. Thus, a 20 YOS retiree would receive 40% of basic pay, a 25 YOS would receive 62.5% minus 5% or 57.5%. This equates to about a 1.5% Pre-30 YOS adjustment of the type described in Section X Volume 1. The CPI minus 1% equates, from the government's view point for budget projections, as an 80% COLA for life (vice until age 62).

Tables L.E.1 and L.E.2 provide the Service base case force profile changes for this alternative. They also show the impact of the EARLY WITHDRAWAL reallocation. Like many of the other alternatives tested, a RESTORAL reallocation was tested and found to be significantly less cost efficient and a waste of money from the government's viewpoint. The retention impact of RESTORAL's is negligible.

Figures L.E.1 - L.E.3 for officers and L.E.4 - L.E.6 for enlisted personnel show the sensitivity of the required EW for reestablishing the base case as a function of the different personnel (ACOL) discount rates (PDR) as the PDR moves from 3% to the tapered 10% the EW decreases. However, the slope of the accession and career force lines steepened which shows an increased force sensitivity to higher discount rates. This is the same on all Combination alternatives. Notice how rapidly the 21-30 YOS line moves both vertically and thus its crossover point shifts to the left. On the 3% Pre-30 YOS alternative this interaction started to the left of the accession and career force crossover for the 3% PDR and, as PDR increased, the 21-30 YOS career force increased rapidly. Incorporation of a COLA adjustment dampens this effect in the Combination alternatives. Note that in both the enlisted and officer Figures that the reaction is essentially the same, except that the enlisted 21-30 YOS is much more sensitive.

The data and for the DoD accrual cost avoidance and the trust fund cost avoidances are shown in Figures L.E.7 and L.E.8. Tables L.E.3 through L.E.5 are the GORGO model projections for the trust fund.

The NCP without reallocation is 37.67 with reallocation for 1.75/2.50 it is 45.00 (-11.3%). The ACOL cost (Billions) are as follows:

ENLISTED	No EW	EW	OFFICER	No EW	EW
Force	32,292	32,830	Force	11,700	11,706
Retirement	6,391	7,881	Retirement	5,082	3,793
EW	-	1,262	EW	-	347

Table L.E.1

CPI Minus 1% for Life Plus 1% Subtraction (PRE-30 YOS)
Strength Changes

		Army	Navy	USMC	USAF	Army	Navy	USMC	USAF
OFFICER	Accessions	+ 617	+ 403	+ 97	668	- 153	- 114	- 16	- 49
	Career Force	- 2,025	- 1,390	- 342	- 2,359	435	372	+ 50	127
	5-20 YOS	- 1,280	- 1,367	- 290	- 1,642	- 125	- 358	- 15	- 145
	11-20 YOS	- 1,848	- 1,628	- 334	- 2,558	- 85	- 196	- 9	- 171
	21-30 YOS	- 914	- 201	- 83	- 916	312	496	+ 27	+ 22
	31+ YOS	619	178	+ 31	209	248	234	+ 38	+ 250
ENLISTED	Accessions	- 7,477	+ 5,032	+2,429	+ 3,155	- 3,829	-1,710	- 987	-1,567
	Career Force	-20,954	-15,893	-7,346	-10,688	9,675	+5,263	+2,871	5,162
	5-20 YOS	-15,222	-13,654	-6,455	- 6,665	10,650	+4,644	+2,157	6,794
	11-20 YOS	-15,404	-12,084	-5,109	- 7,391	7,740	+3,855	+1,547	4,912
	21-30 YOS	- 5,368	- 2,299	- 908	- 4,108	- 993	+ 490	+ 654	-1,739
	31+ YOS	- 4	+ 60	+ 17	+ 84	- 18	+ 129	+ 60	107

Table L.E.2

CPI Minus 1% for Life Plus 1% Subtraction (PRE-30 YOS)
Strength Changes

		Army	Navy	USMC	USAF	Army	Navy	USMC	USAF
OFFICER	Accessions	+ 6.6	+ 6.6	+ 5.6	+ 7.7	- 1.6	- 1.9	- 0.9	-0.6
	Career Force	- 3.6	- 3.5	- 3.2	- 3.4	+ 0.8	+ 0.9	+ 0.5	+0.2
	5-20 YOS	- 2.6	- 4.0	- 3.0	- 2.7	+ 0.3	- 1.0	- 0.2	-0.2
	11-20 YOS	- 8.1	-10.3	- 7.7	- 8.3	- 0.4	- 1.2	- 0.2	-0.6
	21-30 YOS	-14.5	- 4.0	- 8.1	-11.3	+ 5.0	+ 9.9	+ 2.6	+0.3
	31+ YOS	+ 96	+ 86	+ 103	+ 192	+ 141	+ 113	+ 127	+229
ENLISTED	Accessions	+ 5.5	+ 5.7	+ 6.3	+ 4.5	- 2.8	- 1.9	- 2.5	-2.2
	Career Force	- 7.2	- 8.1	-13.9	- 4.5	+ 3.4	+ 2.7	+ 5.5	+2.2
	5-20 YOS	- 5.7	- 7.4	-13.1	- 3.0	+ 4.0	+ 2.5	+ 4.4	+3.1
	11-20 YOS	-12.9	-15.0	-25.8	- 6.8	+ 6.5	-64.8	+ 7.8	+4.5
	21-30 YOS	-27.1	-19.9	-26.4	-20.4	- 5.0	+ 4.2	+19.0	-8.6
	31+ YOS	- 5.6	+34.4	+31.5	+ 114	+25.4	+73.7	+ 111	+145

Table L.E.3

NEW PLAN HAS 80% COLA FOR MD RETIREES FOR LIFE, A -.01 SUBTRACTION PENALTY UNDER 30 YOS, AND A 1.75 EW FOR OFFICERS AND A 2.50 EW FOR ENLISTEDS IN 20 YOS.

OUTLAYS TO UNIFIED BUDGET
($ IN BILLIONS)

FISCAL YEAR	CURRENT SYSTEM	GRANDFATHERING COMPLETE FULL COLA	GRANDFATHERING COMPLETE 80% LIFE COLA	12 YOS GRANDFATHERING COMPLETE 80% LIFE COLA
1986	17.267		17.379	17.325
1987	18.514		18.517	18.517
1987	19.626		19.319	19.318
1988	20.846		20.380	20.376
1989	22.222		21.572	21.565
1990	23.734		22.866	22.857
1991	25.320		24.238	24.233
1992	27.043		25.725	25.709
1993	28.875		27.284	27.263
1994	30.801		28.927	28.880
1995	32.844		30.663	30.623
1996	35.015		32.506	32.445
1997	37.346		34.466	34.238
1998	39.868		36.632	41.903
1999	42.598		38.946	43.629
2000	45.549		41.429	45.625
2001	48.720		44.095	47.748
2002	52.166		46.948	49.893
2003	55.937		49.749	52.777
2004	59.964		52.942	55.949
2005	64.315		56.344	59.192
2006	69.032	74.593	60.022	63.011
2007	74.138	79.938	64.006	67.281
2008	79.669	85.808	68.316	71.933
2009	85.656	92.213	72.977	76.921
2010	92.128	99.193	78.017	82.269
2011	99.128	106.778	83.456	88.009
2012	106.685	115.009	89.321	94.142
2013	114.833	123.908	95.637	100.664
2014	123.623	133.513	102.437	107.617
2015	133.086	143.868	109.742	115.017
2016	143.273	155.000	117.588	122.918
2017	154.240	166.958	126.000	131.338
2018	166.113	179.779	135.016	140.326
2019	178.962	193.515	144.663	149.958
2020	192.806	208.208	154.978	160.224
2021	207.697	223.904	166.000	171.178
2022	223.717	240.649	177.766	182.861
2023	240.935	258.513	190.322	195.351
2024	259.446	277.564	203.717	208.707
2025	279.305	297.874	218.004	222.992
2026	300.578	319.524	233.240	238.286
2027	323.363	342.599	249.486	254.677
2028	347.761	367.188	266.806	272.259
2029	373.881	393.387	285.267	291.135
2030	401.838	421.299	304.941	311.414
2031	431.753	451.035	325.904	333.220
2032	463.757	482.715	348.239	356.687
2033	497.990	516.468	372.035	381.962
2034	534.604	552.434	397.389	409.204
2035	573.762	590.765	424.406	438.588
2036	615.638	631.624	453.199	470.303
2037	660.420	675.189	483.890	504.554
2038	708.309	721.653	516.611	541.564
2039	759.520	771.224	551.502	581.577
2040	814.284	824.126	588.715	624.859
2041	872.850	880.604	628.413	671.700
2042	935.481	940.923	670.778	722.414

Table L.E.4

NEW PLAN HAS 60% COLA FOR NO RETIREES FOR LIFE,
A -01 SUBTRACTION PENALTY UNDER 30 YOS, AND A 2.75
EM FOR OFFICERS AND A 2.50 EM FOR ENLISTEDS IN 20 YOS.

OUTLAYS TO UNIFIED BUDGET OVER CURRENT(DELTAS)
($ IN BILLIONS)

FISCAL YEAR	CURRENT SYSTEM	GRANDFATHERING COMPLETE FULL COLA	GRANDFATHERING COMPLETE 60% LIFE COLA	12 YOS GRANDFATHERING 60% LIFE COLA
1983	0.0		0.042	0.042
1984	0.0		0.136	0.157
1985	0.0		0.307	0.308
1986	0.0		0.466	0.470
1987	0.0		0.650	0.656
1988	0.0		0.858	0.867
1989	0.0		1.084	1.096
1990	0.0		1.328	1.344
1991	0.0		1.592	1.613
1992	0.0		1.876	1.897
1993	0.0		2.181	1.878
1994	0.0		2.509	1.630
1995	0.0		2.860	1.892
1996	0.0		3.236	-2.035
1997	0.0		3.638	-1.041
1998	0.0		4.067	-0.278
1999	0.0		4.525	0.480
2000	0.0		5.010	1.463
2001	0.0		5.523	1.460
2002	0.0		6.065	2.105
2003	0.0	-6.867	-0.011	0.745
2004	0.0	-7.112	-0.090	0.222
2005	0.0	-7.400	0.204	0.849
2006	0.0	-7.491	0.713	3.276
2007	0.0	-7.556	1.263	0.938
2008	0.0	-7.636	1.845	4.613
2009	0.0	-7.739	3.342	0.223
2010	0.0	-7.770	2.954	0.933
2011	0.0	-7.716	3.688	6.728
2012	0.0	-7.664	4.553	2.485
2013	0.0	-7.580	5.048	0.339
2014	0.0	-7.463	5.843	9.184
2015	0.0	-7.339	6.600	10.026
2016	0.0	-7.216	7.347	10.853
2017	0.0	-7.057	8.315	11.304
2018	0.0	-6.893	9.350	13.036
2019	0.0	-6.697	10.484	14.218
2020	0.0	-6.457	11.741	15.566
2021	0.0	-6.152	13.113	16.784
2022	0.0	-5.808	14.671	18.499
2023	0.0	-5.408	16.417	21.279
2024	0.0	-4.908	18.385	22.813
2025	0.0	-4.308	20.604	24.553
2026	0.0	-3.708	23.107	26.384
2027	0.0	-2.720	25.909	28.303
2028	0.0	-1.666	29.043	30.318
2029	0.0	0.523	32.548	32.454
2030	0.0	0.817	36.484	34.697
2031	0.0	2.247	40.913	37.045
2032	0.0	3.921	45.879	39.537
2033	0.0	5.776	51.429	42.139
2034	0.0	7.864	57.643	44.898
2035	0.0	9.801	64.613	47.768
2036	0.0	12.129	72.443	50.818
2037	0.0	14.849	81.252	54.035
2038	0.0	17.941	91.177	57.437
2039	0.0	20.387	102.372	61.024
2040	0.0	23.316	114.999	
2041	0.0	26.934	129.245	
2042	0.0	30.670	145.316	
2043	0.0	34.918	163.438	
2044	0.0	39.718	183.858	

Table L.E.5

NEW PLAN HAS 80% COLA FOR NO RETIREES FOR LIFE,
A .01 SUBTRACTION PENALTY UNDER 30 YOS, AND A 1.75
EW FOR OFFICERS AND A 2.50 EW FOR ENLISTEDS IN 20 YOS.

OUTLAYS TO UNIFIED BUDGET OVER CURRENT (PERCENT REDUCTIONS)
(PERCENTS)

FISCAL YEAR	CURRENT SYSTEM	GRANDFATHERING COMPLETE FULL COLA	GRANDFATHERING COMPLETE 80% LIFE COLA	12 YOS GRANDFATHERING 80% LIFE COLA
1985	0.0		0.246	0.243
1986	0.0		0.846	0.848
1987	0.0		1.862	1.871
1988	0.0		2.236	2.253
1989	0.0		2.926	2.954
1990	0.0		3.616	3.656
1991	0.0		4.240	4.328
1992	0.0		4.910	4.968
1993	0.0		5.513	5.585
1994	0.0		6.040	-4.093
1995	0.0		6.642	-14.588
1996	0.0		7.164	-14.654
1997	0.0		7.658	-15.065
1998	0.0		8.117	-15.103
1999	0.0		8.590	-12.496
2000	0.0		8.970	-10.615
2001	0.0		9.403	2.945
2002	0.0		9.744	2.860
2003	0.0		10.103	3.672
2004	0.0		10.546	3.661
2005	0.0	-11.272	-0.679	2.861
2006	0.0	-11.030	-0.140	3.443
2007	0.0	-10.830	0.299	3.877
2008	0.0	-10.360	0.986	4.338
2009	0.0	-9.882	1.592	5.147
2010	0.0	-9.420	2.271	5.710
2011	0.0	-9.078	2.746	6.123
2012	0.0	-8.631	3.282	6.691
2013	0.0	-8.123	3.847	7.083
2014	0.0	-7.671	4.320	7.478
2015	0.0	-7.169	4.809	7.867
2016	0.0	-6.692	5.239	8.235
2017	0.0	-6.239	5.711	8.582
2018	0.0	-5.814	5.928	8.748
2019	0.0	-5.333	6.335	9.078
2020	0.0	-4.825	6.783	9.438
2021	0.0	-4.016	7.188	9.749
2022	0.0	-3.334	7.641	10.113
2023	0.0	-2.775	7.949	10.333
2024	0.0	-2.163	8.290	10.585
2025	0.0	-1.603	8.656	10.860
2026	0.0	-0.872	8.903	11.106
2027	0.0	-0.259	9.275	11.311
2028	0.0	0.384	9.584	11.534
2029	0.0	1.022	9.870	11.740
2030	0.0	1.685	10.144	11.938
2031	0.0	2.277	10.415	12.105
2032	0.0	2.900	10.669	12.274
2033	0.0	3.511	10.906	12.426
2034	0.0	4.116	11.133	12.569
2035	0.0	4.714	11.352	12.705
2036	0.0	5.294	11.558	12.836
2037	0.0	5.867	11.751	12.959
2038	0.0	6.416	11.928	13.037
2039	0.0	6.960	12.102	13.135
2040	0.0	7.488	12.268	13.228
2041	0.0	7.990	12.424	13.305
2042	0.0	8.493	12.576	13.386

Figure L.E.1

FORCE LEVELS VS EARLY WITHDRAWALS

CPI - 1 PCT AND 1 PCT PRE-30 YOS SUBTRACTION
AND VARIABLE EARLY WITHDRAWALS (3 PCT PDR)
OFFICER POPULATION

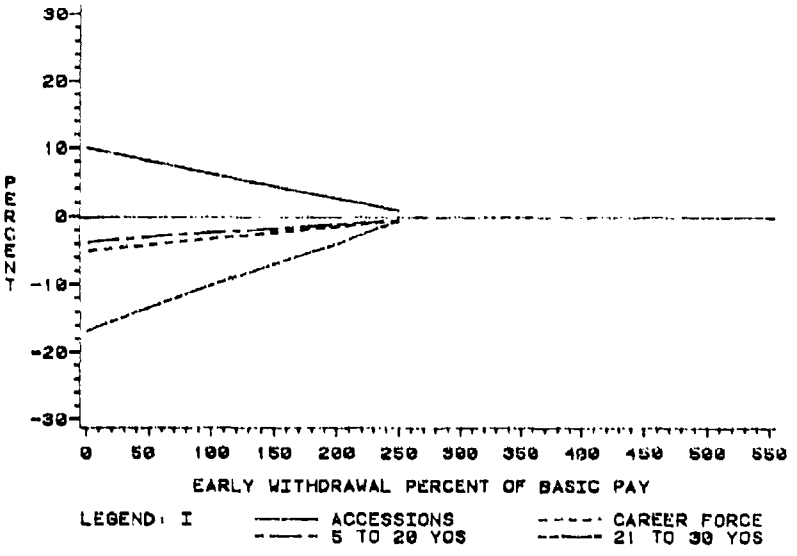


Figure L.E.2

FORCE LEVELS VS EARLY WITHDRAWALS

CPI - 1 PCT AND 1 PCT PRE-30 YOS SUBTRACTION
AND VARIABLE EARLY WITHDRAWALS (10 PCT PDR)
OFFICER POPULATION

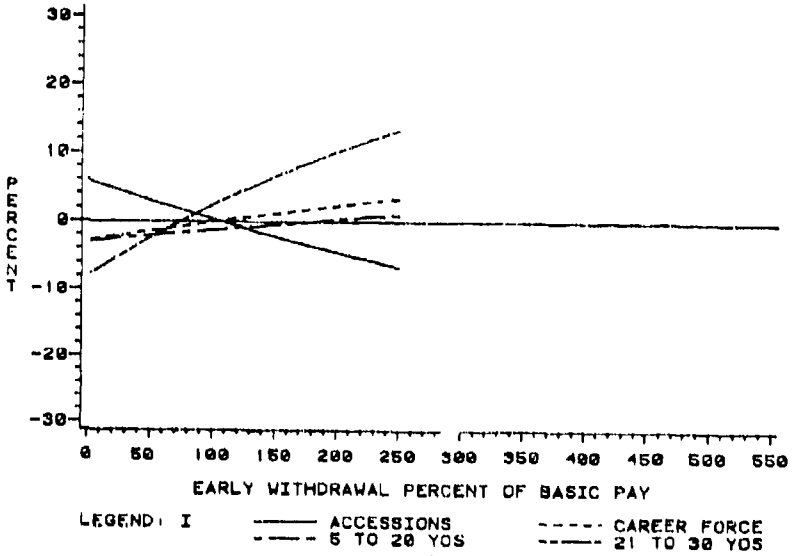


Figure L.E.3

FORCE LEVELS VS EARLY WITHDRAWALS

CPI - 1 PCT AND 1 PCT PRE-30 YOS SUBTRACTION
AND VARIABLE EARLY WITHDRAWALS (TAPERED PCT PDR)
OFFICER POPULATION

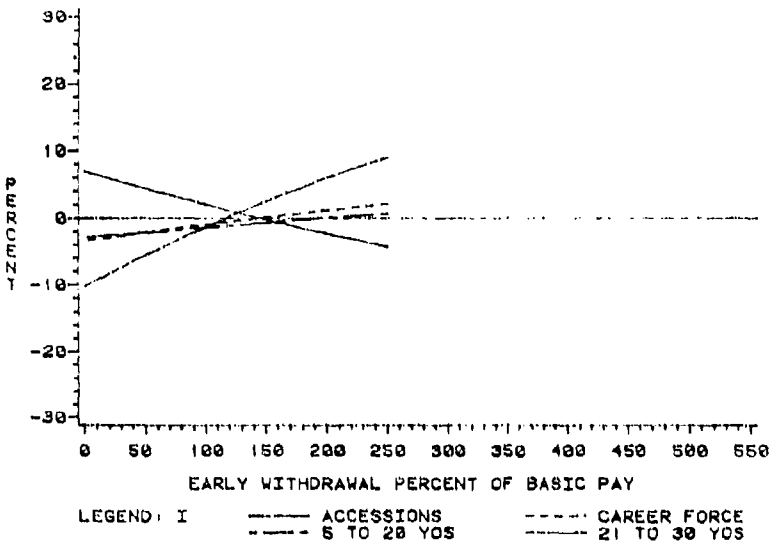


Figure L.E.4

FORCE LEVELS VS EARLY WITHDRAWALS

CPI - 1 PCT AND 1 PCT PRE-30 YOS SUBTRACTION
AND VARIABLE EARLY WITHDRAWALS (3 PCT PDR)
ENLISTED POPULATION

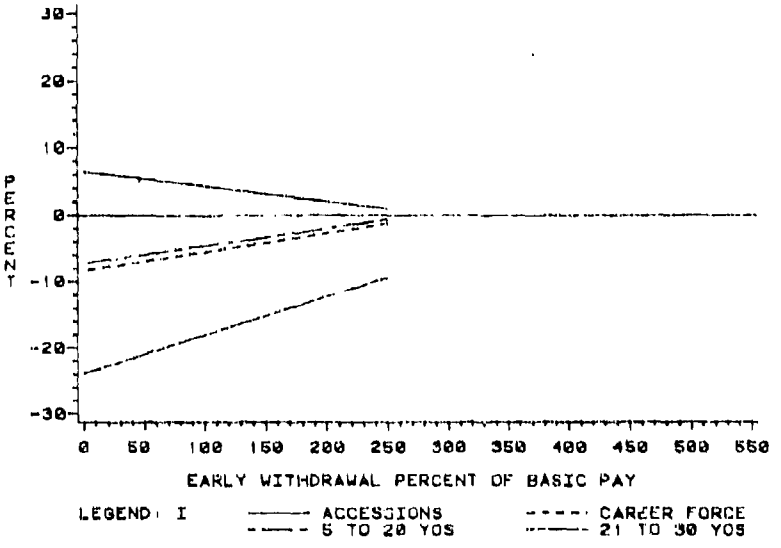


Figure L.E.5

FORCE LEVELS VS EARLY WITHDRAWALS

CPI - 1 PCT AND 1 PCT PRE-30 YOS SUBTRACTION
AND VARIABLE EARLY WITHDRAWALS (10 PCT PDR)
ENLISTED POPULATION

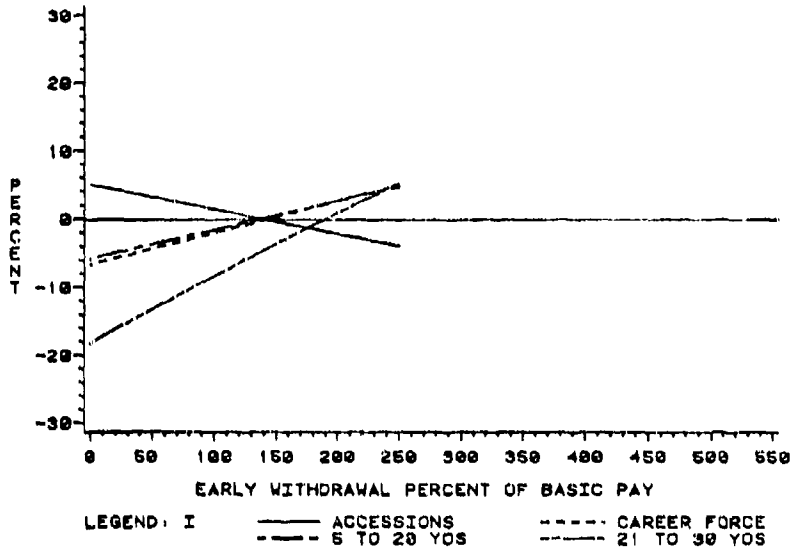


Figure L.E.6

FORCE LEVELS VS EARLY WITHDRAWALS

CPI - 1 PCT AND 1 PCT PRE-30 YOS SUBTRACTION
AND VARIABLE EARLY WITHDRAWALS (TAPERED PDR)
ENLISTED POPULATION

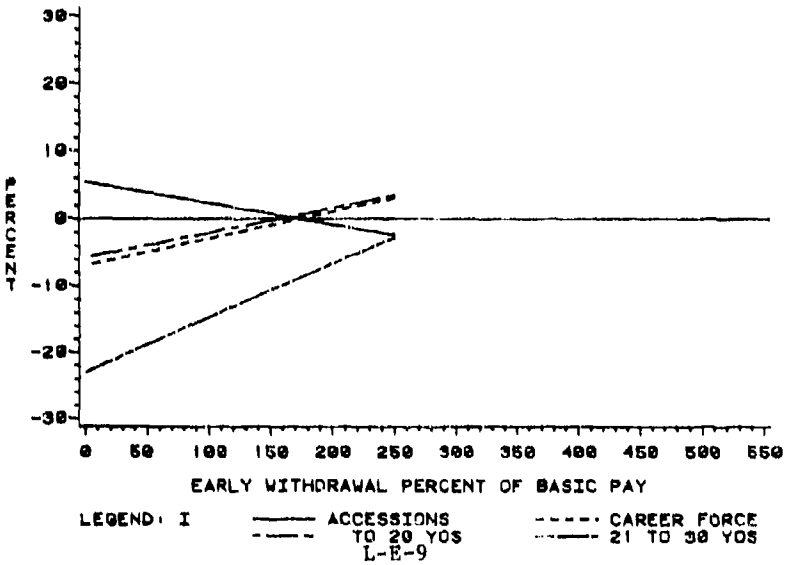


Figure L.E.7

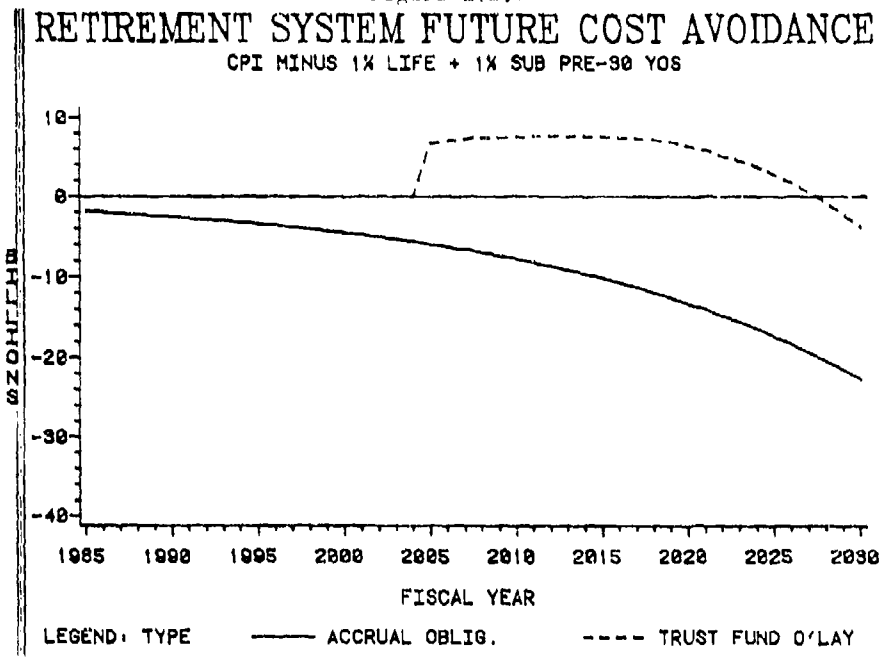
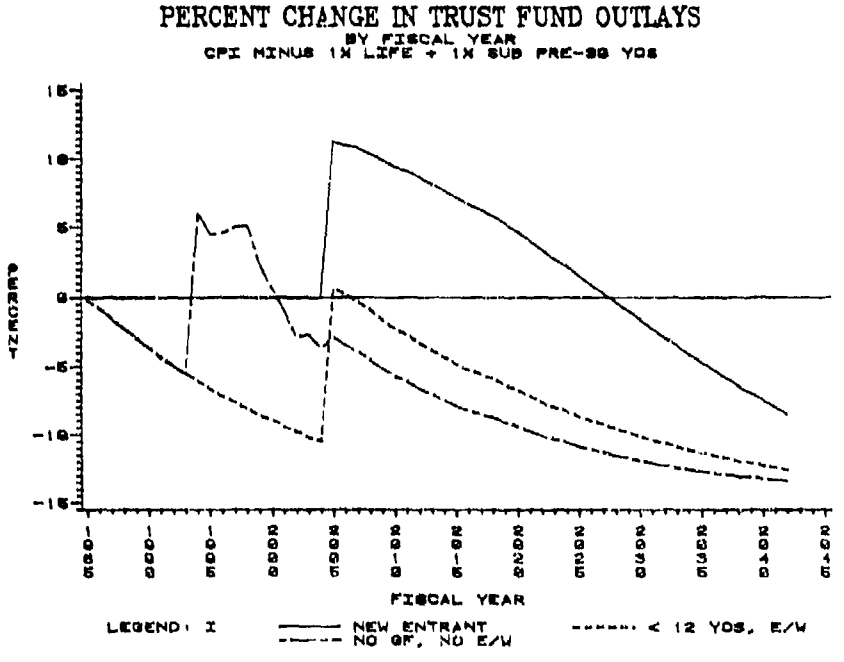


Figure L.E.8



SOCIAL SECURITY SURVIVOR AND DISABILITY BENEFITS

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SOCIAL SECURITY INTEGRATION

I. INTRODUCTION.

A. OBJECTIVE. To examine the issue of social security integration in conjunction with the review of the Uniformed Services retirement system undertaken by the Fifth QRMC.

B. BACKGROUND. Since the Uniformed Services compensation system is not generally thought to be directly integrated with social security, private-sector pension plans provided examples of integration methodology. Three general methods of integration existing in the private sector are:

1. Integrating the amount of retirement plan contribution with the social security tax. This is a relatively new concept where the employer pays both the employee and employer share of the social security tax. The employee's retirement benefit is then reduced accordingly.

2. Offsetting the retirement benefits paid to the employee by some percentage of the benefits payable from social security.

3. Providing retirement benefits only on earnings in excess of those earnings upon which Social Security benefits are based.

Although several plans for the integration of the Uniformed Services retirement system with social security have been proposed in recent years, most have evolved around an offset to the retirement annuity. In general, the basis for those proposals is the premise that social security benefits based on Service earnings are equal to social security benefits arising from private-sector earnings for workers with equal earnings levels. This premise is not considered valid because a significant portion of an individual's Service earnings is in the form of compensation in-kind or non-taxable earnings and, therefore, are not covered by social security.

II. DISCUSSION.

A. OVERVIEW. An evaluation of the current Service compensation package was undertaken to determine the amount by which social security benefits are reduced due to compensation in-kind and/or non-taxable earnings. The advantages and disadvantages of alternative methods of integration with social security then were developed. Three specific scenarios were reviewed:

1. Maintenance of the current compensation system with its implicit social security benefit offset.

2. Integration of the current compensation system with social security benefits by inclusion of an offset against retirement benefits as proposed in the Retirement Modernization Act (RMA).

3. Integration of the current compensation system with social security benefits taking into account: post-Service earnings, the reduced benefit resulting from compensation in-kind and/or non-taxable income, and the 50% offset specified by the RMA.

B. OFFSET METHODS. Anytime an explicit offset is calculated, various methods can be used to obtain this offset. Scenario I assumes no civilian earnings subsequent to Service retirement. This assumption allows a pure comparison between the derived social security benefit (Primary Insurance Amount), based on an assumed period of service, and the corresponding current "covered" wages. These wages include the annual $1,200 wage credit presently provided for servicemembers with "covered" income less than the social security maximum wage, and the derived benefit based on the same assumed period of service but with "covered" earnings encompassing the parameters of Basic Military Compensation (BMC). The "covered" earnings include the value of compensation in-kind, non-taxable earnings and the tax advantage. It becomes apparent from this benefit comparison that a reduced social security benefit does occur as a result of the current non-inclusion of compensation in-kind and/or non-taxable earnings in the benefit computation base. For enlisted personnel with the characteristics displayed in Table M-1, this reduction in payable benefit ranges between $58 and $114 (16-19%) per month for paygrades E-6 through E-9 as shown in Scenario I, Table M-3. In the case of officers, a reduction ranging from $59 to $19 (13-3%) per month is evidenced for paygrades O-3 through O-6. The greater magnitude of benefit reduction reflected for enlisted versus officer personnel is due to the fact that the officer "covered" wages approach the social security wage maximum more rapidly and actually exceed the maximum at paygrade O-5, Table M-2. The resultant reduced social security benefit, stemming from the non-inclusion of all Service pay in the benefit computation base, aptly demonstrates that an implicit integration of the social security and Service retirement systems is in fact currently operative.

The Retirement Modernization Act (RMA) proposed an offset against the Uniformed Service retirement annuity of 50% of the social security benefit. The 50% offset value corresponds to the Department of Defense's social security tax contribution on behalf of the the individual member. It is important to note that the RMA proposal did not take into account the implicit benefit reduction already operative as the result of the non-inclusion of compensation in-kind, non-taxable earnings and the tax advantage. Thus, an attempt to assess a straight 50% offset to the Service retirement annuity as proposed under RMA would effectively apply an offset of 66% to 69% to the benefit based on BMC in the case of enlisted personnel and a 63% to 53% offset for officers.

One problem associated with the integration as depicted by Scenarios I and II (Tables M-3 and M-4, respectively) is that both were based on Service earnings only and did not account for the likelihood that the social security benefit received at age 66 would be based to some degree on the servicemember's civilian employment subsequent to Service retirement. In this situation, a fair and equitable attribution

of earnings relative to the amount of social security benefit resulting from Service versus civilian earnings is essential. This assessment, relative to the integration of the current Uniformed Service retirement system with social security when there are post-Service earnings, constitutes Scenario III. A comparison of the total "covered" Service and civilian indexed earnings streams utilizing earnings data from the 1979 Census was employed. It was determined from this comparison that the Service earnings portion of the total social security benefit computation base ranged from 16% for paygrade E-6 to 55% for paygrade O-6.

Accordingly, attribution of the derived social security benefit (Service versus civilian) would reasonably seem to be proportionate. If this approach is effected as shown in Scenario IIIa (Table M-5), application of the social security benefit attributable to Service earnings generally would be smaller than derived at Scenario II; i.e., $47 to $154 per month for enlisted personnel and $99 to $199 for officers, as opposed to enlisted personnel and officer offset ranges of $186 to $295 and $233 to $322, respectively.

By substituting BMC to develop the indexed earnings stream used in the social security benefit computation, an implicit benefit reduction results when compared to the benefit derived from the current "covered" Service earnings stream. As in the case of Scenario I the non-inclusion of the compensation in-kind, non-taxable earnings and tax advantage serves to lower the actual benefit the servicemember receives at age 66. For the enlisted categories (E-6 through E-9) reviewed, Scenario IIIb (Table M-6) indicates this reduction ranges between $27 and $71 per month (22-19% of the benefit attributable to Service earnings). In the case of officers (O-3 through O-6), this benefit reduction ranges from $36 to $20 per month (15-5%).

When evaluating an employment career with only Service earnings or one consisting of both Service and civilian earnings, an implied offset to social security benefits of approximately 20% for enlisted personnel, 10-15% for junior grade officers and 3-7% for senior grade officers is inherent in the current system in either case. Hence, it is concluded that the current Uniformed Services retirement system and social security are currently integrated to a significant extent.

III. METHODOLOGY. Table M-1 provided the assumed Service, age at entry, year of entry and rank at retirement for the nine cases that were used to examine the effects of the various approaches to the offset problem. In every case, it was assumed that service started in 1972, and was followed by civilian employment until age 66 was reached, at which time social security benefits began. In all cases, it was necessary to project Service and civilian earnings into the future by inflating current earnings by 5.5% per year. A program for computing Primary Insurance Amounts (PIAs) was obtained from the social security actuaries and was modified to incorporate the changes in the social security benefit computation that were caused by the 1983 amendments to the social security act. The only change that affected the computation of the PIAs in this study was the delay of the retirement age from age 65 to age 66. The program was modified to allow inclusion of the $1,200 per year gratuitous wage credits in the Service part of the earning's history. In addition, basic allowance for quarters (BAQ), basic allowance for subsistence (BAS) and the Federal tax advantage were added to basic pay to allow PIAs to be calculated on the basis of basic military compensation (BMC). For each case, all PIAs were discounted to 1982 at the rate of 5.5% per year to put them in 1982 constant dollars.

Table M-1
Case Characteristics

Case	1	2	3	4	5	6	7	8	9
Entry Age	18	18	18	22	22	22	22	22	22
Years of Military	20	22	26	30	20	20	20	22	28
Retired Rank	E-6	E-7	E-8	E-9	O-3	O-4	O-5	O-5	O-6
Years of Service									
1	E-1/2	E-1/2	E-1/2	E-1/2	E-1/2	E-1/2	O-1	O-1	O-1
2	E-3	E-3	E-3	E-3	E-3	E-3	O-1	O-1	O-1
3	E-3	E-3	E-3	E-3	E-3	E-3	O-2	O-2	O-2
4	E-4	E-4	E-4	E-4	E-4	E-4	O-2	O-2	O-2
5	E-4	E-4	E-4	E-4	E-4	E-4	O-3	O-3	O-3
6	E-4	E-4	E-4	E-4	E-5	O-1	O-3	O-3	O-3
7	E-5	E-5	E-5	E-5	E-5	O-1	O-3	O-3	O-3
8	E-5	E-5	E-5	E-5	O-1	O-2	O-3	O-3	O-3
9	E-5	E-5	E-5	E-5	O-1	O-2	O-3	O-3	O-3
10	E-5	E-5	E-5	E-5	O-2	O-3	O-3	O-3	O-3
11	E-5	E-5	E-5	E-5	O-2	O-3	O-4	O-3	O-3
12	E-5	E-6	E-6	E-6	O-3	O-3	O-4	O-4	O-3
13	E-6	E-6	E-6	E-6	O-3	O-3	O-4	O-4	O-4
14	E-6	E-6	E-6	E-6	O-3	O-3	O-4	O-4	O-4
15	E-6	E-6	E-6	E-6	O-3	O-3	O-4	O-4	O-4
16	E-6	E-6	E-6	E-7	O-3	O-3	O-5	O-5	O-4
17	E-6	E-6	E-7	E-7	O-3	O-4	O-5	O-5	O-5
18	E-6	E-7	E-7	E-7	O-3	O-4	O-5	O-5	O-5
19	E-6	E-7	E-7	E-7	O-3	O-4	O-5	O-5	O-5
20	E-6	E-7	E-7	E-7	O-3	O-4	O-5	O-5	O-5
21		E-7	E-7	E-8				O-5	O-5
22		E-7	E-8	E-8				O-5	O-6
23			E-8	E-8					O-6
24			E-8	E-8					O-6
25			E-8	E-9					O-6
26			E-8	E-9					O-6
27				E-9					O-6
28				E-9					O-6
29				E-9					
30				E-9					

Table M-2
Value of Wage Credit Compared Its Intended Purpose (FY82)

1983 Social Security Maximum: $35,700
Wage Credit: $ 1,200

Grade	Social Security Maximum Exceeds Basic Pay* by:	BAQ + VHA + BAS	Wage Credit Shortfall**	Shortfall as % of Basic Pay
O-10	N/A	$10,813.68	0	-
O-9	N/A	11,094.63	0	-
O-8	N/A	10,979.20	0	-
O-7	N/A	10,851.92	0	-
O-6	N/A	9,675.37	0	-
O-5	N/A	8,992.86	0	-
O-4	$ 5,444.12	8,251.95	$4,244.12	14.1
O-3	11,156.77	6,874.15	5,674.15	23.1
O-2	17,322.35	5,840.97	4,640.97	25.3
O-1	21,791.65	5,070.27	3,870.27	27.8
W-4	7,372.24	7,524.13	6,172.24	21.8
W-3	12,938.53	6,799.19	5,599.19	29.6
W-2	16,264.83	6,451.25	5,251.25	27.0
W-1	19,385.17	5,654.54	4,454.54	27.3
E-9	10,607.43	7,773.04	6,573.09	26.2
E-8	15,002.83	7,356.08	6,156.08	29.7
E-7	18,526.68	6,892.47	5,692.47	33.1
E-6	21,549.79	6,315.31	5,115.31	36.2
E-5	24,184.43	5,572.98	4,372.98	38.0
E-4	26,105.93	4,735.11	3,535.11	36.8
E-3	27,419.93	4,425.90	3,225.90	39.0
E-2	27,985.20	3,985.79	2,785.79	36.1
E-1	28,816.80	3,743.57	2,543.57	37.0

* Assumes 1 Oct 82 Basic Pay averages by grade for all DoD military personnel. Excludes Special and Incentive pays.

** Amount BAQ + VHA + BAS exceed $1,200 wage credit up to the Social Security maximum.

Table M-3
Scenario I
Implied Offset of Current System
(FY82 Constant Dollars)

Case	1	2	3	4	5	6	7	8	9
Entry Age	18	18	18	18	22	22	22	22	22
Years of Military Service	20	22	26	30	20	20	20	22	28
Years of Civilian Service	0	0	0	0	0	0	0	0	0
Highest Military Grade	E6	E7	E8	E9	03	04	05	05	06
1) Military Primary Insurance Amount (PIA) Including Wage Credits	$ 312.64	$340.85	$399.92	$475.84	$406.22	$434.76	$488.00	$532.38	$624.94
2) Military PIA Based on Basic Military Compensation (BMC)	371.08	410.72	492.29	589.98	465.44	485.26	524.94	570.21	643.58
3) PIA Difference	58.44	69.87	92.37	114.14	59.22	50.50	36.94	37.83	18.64
4) Implied Offset Percent*	16%	17%	19%	19%	13%	10%	7%	7%	3%
5) Annual Implied Offset	701.28	838.44	1,108.44	1,369.68	710.64	606.00	443.28	453.96	223.68
6) Expected Lifetime Remaining After Age 66	13.5	13.5	13.5	13.5	15.3	15.3	15.3	15.3	15.3
7) Total Lifetime Value of Implied Offset	$9,467.28	11,318.94	14,963.94	18,490.68	10,872.79	9,271.80	6,782.18	6,945.59	3,422.30

*Implied Offset Percent = PIA Difference ÷ Military PIA Based on Basic Military Compensation

Table M-4
Scenario II
Retirement Modernization Act Offset
(FY82 Constant Dollars)

Case	1	2	3	4	5	6	7	8	9
Entry Age	18	18	18	18	22	22	22	22	22
Years of Military Service	20	22	26	30	20	20	20	22	28
Years of Civilian Service	0	0	0	0	0	0	0	0	0
Highest Military Grade	E6	E7	E8	E9	03	04	05	05	06
1) Military Primary Insurance Amount (PIA) Based on BMC	$ 371.08	$410.72	$492.29	$589.98	$465.44	$485.26	$524.94	$570.21	$643.58
2) 50% Offset	185.54	205.36	246.15	294.99	232.72	242.63	262.47	285.10	321.79
3) Implied Offset (from Scenario I)	-58.44	-69.87	-92.37	-114.14	-59.22	-50.50	-36.94	-37.83	-18.64
4) Adjusted Offset	127.10	135.49	153.78	180.85	173.50	192.13	225.53	247.27	303.15
5) Annual Adjusted Offset	1,525.20	1,625.88	1,845.36	2,170.20	2,082.00	2,305.56	2,706.36	2,967.24	3,637.80
6) Expected Lifetime Remaining After Age 66	13.5	13.5	13.5	13.5	15.3	15.3	15.3	15.3	15.3
7) Adjusted Lifetime Offset	$20,592.20	21,949.38	24,912.36	29,297.70	31,854.60	35,275.07	41,407.31	45,398.77	55,658.34
8) Adjusted Offset as a Percent of Military PIA Based on BMC	34%	33%	31%	31%	37%	40%	43%	43%	47%

Table M-5
Scenario IIIa
Corrected Attribution of Social Security Insurance Amount (PIA) to Service Earnings 1/
(FY82 Constant Dollars)

Case	1	2	3	4	5	6	7	8	9
Entry Age	18	18	18	18	22	22	22	22	22
Years of Military Service	20	22	26	30	20	20	20	22	28
Years of Civilian Service	28	26	22	18	24	24	24	22	16
Highest Military Grade	E6	E7	E8	E9	03	04	05	05	06
1) Total Indexed Earnings	$ 578,603	$566,961	$555,266	$576,503	$920,248	$941,416	$958,524	$959,924	$974,736
2) Civilian Indexed Earnings	483,185	435,296	345,569	266,642	658,019	657,670	657,432	599,338	435,107
3) Military Indexed Earnings	95,418	131,665	209,697	309,861	262,229	283,746	301,092	360,586	539,629
4) Military Indexed Earnings as a Percent of Total Indexed Earnings	16%	23%	38%	54%	28%	30%	31%	38%	55%
5) Primary Insurance Amount (PIA) Based on Total Indexed Earnings	574.24	565.37	556.46	572.64	698.02	705.58	711.69	712.19	717.48
6) PIA Attributable to Military Earnings*	94.70	131.30	210.15	307.79	198.90	212.66	223.56	267.53	397.21
7) 50% Offset**	47.35	65.65	105.07	153.89	99.45	106.33	111.78	133.76	198.60
8) Annual Offset	568.20	787.80	1,260.84	1,846.68	1,193.40	1,275.96	1341.36	1,605.12	2,383.20
9) Expected Lifetime Remaining After Age 66	13.5	13.5	13.5	13.5	15.3	15.3	15.3	15.3	15.3
10) Total Lifetime Offset	7,670.70	10,635.30	17,021.34	24,930.18	18,259.02	19,522.19	20,522.81	24,558.34	36,4[illegible].96

*6) = 4) times 5) **7) = 6) times 50%

1/ Military earnings are basic pay plus the $1,200 wage credit in each year.

Table M-6
Scenario IIIb
Corrected Attribution of Social Security Insurance Amount (PIA) to Service Earnings 1/
(FY82 Constant Dollars)

Case	1	2	3	4	5	6	7	8	9
Entry Age	18	18	18	18	22	22	22	22	22
Years of Military Service	20	22	26	30	20	20	20	22	28
Years of Civilian Service	28	26	22	18	24	24	24	22	16
Highest Military Grade	E6	E7	E8	E9	O3	O4	O5	O5	O6
1) Total Indexed Earnings	$609,713	$606,635	$627,942	$692,521	$977,169	$988,964	$989,890	$994,114	$1,014,092
2) Civilian Indexed Earnings	483,185	435,296	345,569	266,642	658,019	657,670	657,432	599,338	435,107
3) Military Indexed Earnings	126,528	171,339	282,373	425,879	319,150	331,294	332,458	394,776	578,985
4) Military Indexed Earnings as a Percent of Total Indexed Earnings	21%	28%	45%	61%	33%	33%	34%	40%	57%
5) Primary Insurance Amount (PIA) Based on Total Indexed Earnings	587.11	586.02	593.63	616.69	718.35	722.56	723.28	724.40	731.54
6) PIA Attributable to Military Earnings*	121.84	165.52	266.94	379.25	234.62	242.05	242.91	287.38	417.66
7) 50% Offset	60.92	82.76	133.47	189.62	117.31	121.03	121.46	143.69	208.83
8) Implied Offset*	27.14	34.22	56.79	71.46	35.72	29.39	19.35	19.85	20.45
9) Differences in Offsets	33.78	48.54	76.68	118.16	81.59	91.64	102.11	123.84	188.38
10) Implied Offset as a Percent of 50% offset	45%	41%	43%	38%	30%	24%	16%	14%	10%
11) Implied Offset as a Percent of Military PIA	22%	21%	21%	19%	15%	12%	8%	7%	5%

*Implied Offset is equal to the PIA based on BMC and civilian earnings less the military PIA based on basic pay plus $1,200 wage credits and civilian earnings.
1/ Service earnings are Basic Military Compensation (BMC) which is equal to basic pay, BAS, BAQ, and the tax advantage, and excludes the $1,200 wage credit.

Table M-7
Scenario IVa
Income Replacement Ratios Based Only on Service Earnings History
(FY82 Constant Dollars)

Case	1	2	3	4	5	6	7	8	9
Entry Age	18	18	18	18	22	22	22	22	22
Years of Military Service	20	22	26	30	20	20	20	22	28
Years of Civilian Service	0	0	0	0	0	0	0	0	0
Highest Military Grade	E6	E7	E8	E9	03	04	05	05	06
1) Basic Military Compensation in Last Year of Military Service	20,979	23,655	27,623	33,369	34,618	40,214	45,939	46,949	58,575
2) Military Base Pay in Last Year of Military Service	14,201	16,214	19,545	24,211	25,815	29,851	33,481	34,491	43,756
3) Retired Pay*	7,101	8,918	12,704	18,158	12,908	14,926	16,741	18,979	30,625
4) Annual Social Security Benefit Based on Earnings History Using $1200 Wage Credit	3,757	4,090	4,799	5,710	4,825	5,217	5,858	6,389	7,499
5) Retired Income Due to Military Service	10,853	13,008	17,503	23,868	17,783	20,413	22,597	25,359	38,124
6) Total Military Retired Benefit as a Percent of Final BMC	52%	55%	63%	71%	51%	50%	49%	54%	65%

* Years of service times basic pay in last year of Service times .025
**Retired Pay in last year of Service plus the annual social security benefit attributable to Uniformed Service (Scenario I, line 1 times 12).

Table M-8
Scenario IVb
Income Replacement Ratios Based Only on Service and Civilian Earnings History
(FY82 Constant Dollars)

Case	1	2	3	4	5	6	7	8	9
Entry Age	18	18	18	18	22	22	22	22	22
Years of Military Service	20	22	26	30	20	20	20	22	28
Years of Civilian Service	28	26	22	18	24	24	24	22	16
Highest Military Grade	E6	E7	E8	E9	O3	O4	O5	O5	O6
1) Basic Military Compensation (BMC) in Last Year of Military Service	$ 20,978	$ 23,655	$ 27,623	$ 33,369	$ 34,618	$ 40,214	$ 45,939	$ 46,949	$ 58,575
2) Military Base Pay in Last Year of Military Service	14,201	16,214	19,545	24,211	25,815	29,851	33,481	34,491	43,750
3) Retired Pay*	7,101	8,918	12,704	18,158	12,908	14,926	16,741	18,970	30,625
4) Annual Social Security Benefit**	6,891	6,784	6,678	6,872	8,376	8,467	8,467	8,546	8,610
5) Retired Income Due to Military Service***	8,237	10,494	15,226	21,851	15,295	17,478	17,478	22,180	35,392
6) Total Retired Benefit	13,992	15,702	19,382	25,030	21,284	23,393	23,393	27,516	39,235
7) Military Retired Benefit as a Percent of Final BMC	39%	44%	55%	65%	44%	43%	42%	47%	60%
8) Total Benefit as a Percent of Final BMC	67%	66%	70%	75%	61%	58%	55%	59%	67%

* Years of service times line 2) times .025
** Scenario IIIa line 5 times 12, based on service and civilian earnings history.
***Line 3 above plus Scenario IIIa line 6 times 12

DEPARTMENT OF DEFENSE
OFFICE OF GENERAL COUNSEL
WASHINGTON, D.C. 20301

December 12, 1983

MEMORANDUM FOR Staff Director, Fifth Quadrennial Review of Military Compensation, OASD(M,RA&L)

SUBJECT: Integration of Social Security Benefits with Military Retired Pay

This provides answers to the questions presented in your memorandum of October 19th which discussed the above-referenced subject. The answers set forth below are numbered to correspond with the numbering of your questions.

1. The social security benefit "implied offset" described in your memorandum that is a consequence of the failure of Congress to update the $1,2 0 wage credit authorized in 1968 in recognition of the compensatory nature of military allowances for quarters and subsistence as an element of the full value of total military compensation for social security benefit purposes provides an actual and justifiable-in-fact basis for limiting overall retired pay costs when social security benefits are integrated with military retired pay. This actual basis for accomplishing the ultimate desired objective of limiting retired pay costs can be translated into "a legally recognizable method of integration" if it is adopted by Congress and implemented in the form of legislation. Attributing a dollar amount to the tax-free military allowances for social security benefit entitlement purposes is a concept that has already been accepted by Congress. Thus there is no reason Congress could not also recognize the existing "implied offset" as a basis for appropriate legislation to accomplish the desired result of limiting integrated social security-military retired pay benefits if Congress wishes to adopt this possible alternative.

2. The rationale that supports the foregoing answer to the first question is also applicable here. The "implied offset" exists in fact. Thus, if Congress wishes to recognize this fact and use it as a basis for reducing in corresponding amount the amount of the proposed 50% of social security benefit offset against the military retired pay annuity, Congress may do so and give binding legal effect to this choice by incorporating the concept in implementing legislation.

3. Setting the overall retirement benefit level by recognition of the reduced amount of social security benefits that inure to military retirees by reason of the effect of the "implied offset" is supportable as a matter of fact and hence may appropriately be embodied in legislation to become a governing principle of law. In this sense the concept of using the "implied offset" is potentially a "legally justifiable" form of integration.

Robert L. Gilliat
Assistant General Counsel
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APPENDIX N
EVALUATION OF OCCUPATIONAL FORCE STRUCTURES

MAJ ROY E. SMOKER, USAF

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Evaluation of Occupational Force Structures

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EVALUATION OF OCCUPATIONAL FORCE STRUCTURES

I. INTRODUCTION. This appendix describes the Service occupational groupings evaluated by the Fifth QRMC. The officer and enlisted Department of Defense occupation codes by QRMC-defined occupational category are listed in Sections II and III, respectively. The definition of the specific occupational categories, grouped according to the QRMC category codes and figures displaying the following four topics for each occupational group are presented for each Service. These slots are labeled:

1) Military Pays versus Civilian Wages
2) Annualized Cost of Leaving
3) Force Structure
4) Survival Rates

A. MILITARY PAY VERSUS CIVILIAN WAGES. Because there is a distribution of earnings potential for members of a given age, who may choose to leave the Service at some point during their career, both the mean earnings profile of Census veterans working full time and the 75th percentile earnings profiles are shown for each occupational group in the graphs of Military Pays versus Civilian Wages. (For a discussion and description of the data sets used, see Volume I, Appendix I.) The alternative civilian wage stream is for college graduates in officer-related jobs identified in the Census. For the enlisted occupations, the alternative civilian wage streams represent the distribution of education as discussed in Volume I, Appendix I. As noted in Appendix I, caution should be used in making comparisons between these occupational civilian alternative wage streams and the Service occupational earnings streams. First, officer-related occupations include training, leadership and management responsibilities not found in the civilian sector for individuals of a comparable age. In addition, the Servicemembers forego certain civil rights and subjects their families to overseas tours and extended periods of separation uncommon in the civilian sector. Second, the civilian wage streams for professional occupations may exhibit a downward bias due to measuring only wage and salary earnings from the Census data. Generally, lawyers, doctors and dentists in the civilian sector form partnerships or are self-employed and, therefore, do not report wage and salary earnings. (Only individuals reporting wage and salary earnings were used in developing these equations.) Third, chaplains (clergy) in the private sector often receive payment in-kind and housing rather than actual earnings. These equations was adjusted upward, by 25% of the earnings base, to partially account for the lower reported earnings. Fourth, the Census sample for veterinarian jobs was relatively small. Finally, there are some officer jobs in the Service that do not exist in the civilian sector. The aggregate wage equation for white male, college graduate, civilian veterans in officer-related jobs was applied to the Combat Arms and Naval Operations occupational group for this reason.

For the enlisted related occupations, similar caution should be used in making earnings comparisons. Here, Service training may provide the basis for obtaining a civilian job. The availability of educational benefits sponsored by the Veterans Administration may provide the opportunity to obtain a college degree, after some initial period of service, and hence improve one's earnings potential. Again, some enlisted jobs do not exist in the civilian sector. For this reason, the aggregate wage equation for white male, civilian veterans in enlisted-related jobs, regardless of education, was applied to the Infantry, Gunner, and Seaman occupational group. The use of the civilian wage equation for veterans in teaching and educational-type jobs as the alternative wage stream for non-occupational students is based on the judgement that students will be in lower paying jobs until they enter a specific occupation. The civilian wage equation for veterans in teaching and educational-type jobs is somewhat below the aggregate wage equation for white male, civilian veterans in enlisted-related jobs.

No attempt was made to weight the separate occupational wage equations, using the mix of servicemembers by age in each occupational group. Use of the Service weights by occupational group could yield a somewhat higher average aggregate wage stream for both officers and enlisted, if the mix of Service personnel was distributed more heavily toward higher paying jobs than is the mix of veterans observed in the Census.

B. ANNUALIZED COST OF LEAVING (ACOL). The ACOL values for three scenarios are shown in the Annualized Cost of Leaving graph for each occupational group. The scenarios are:

1. HI-3 averaging as basis for computing the retirement benefit.

2. HI-3 averaging with a 3% pre-30 YOS decrement to the current retirement system benefit and a 75% cost of living adjustment (COLA) to age 62; 100% COLA begins at age 62.

3. Same as 2 above, but with an EARLY WITHDRAWAL of deferred retirement benefits at the 20th YOS. The EARLY WITHDRAWAL benefit is 200% of basic pay at 20 YOS for officers and 300% of basic pay at 20 YOS for enlisted members.

Note how the ACOL value increases to the 20th YOS, i.e., the point of retirement eligibility, and then drops once eligibility has been attained. Also, note that the EARLY WITHDRAWAL of deferred retirement benefits raises the ACOL value at the 20th YOS and serves as an inducement for servicemembers to remain at least through the 20th YOS.

C. FORCE STRUCTURE COMPARISONS. The occupational force structures associated with each of the three retirement benefit scenarios are shown in the Force Structure graphs. For each of the occupational groups, the

accession level is lower and the career strength is higher when the EARLY WITHDRAWAL is considered in comparison to the force profile observed for the case of HI-3 averaging. The case showing 75% COLA to age 62, combined with a 3% pre-30 YOS decrement to the current retirement benefit with HI-3 averaging, reveals the opposite effect on accessions and career force strengths. For all the occupational groups, the EARLY WITHDRAWAL characteristic, when properly applied achieves a force structure equal to or more career-intensive than that which will be obtained with the current retirement system; it transitions to having the retirement benefit computed on the basis of HI-3 averaging.

D. SURVIVAL RATES. The graphs of Survival Rates for each occupational group shows the survival rates under each of the retirement scenarios discussed above. For each occupational group, the relative level of the survival rate curves is the same. The curve labeled 75% COLA corresponds to the decremented retirement benefit plan of Scenario B.2 above and always exhibits the lowest set of survival rates. The curve labeled HIGH THREE corresponds to Scenario B.1 and always falls in the middle. The curve labeled EARLY WITHDRAW corresponds to Scenario B.3 and always exhibits the highest level of survival rates.

II. OFFICER OCCUPATIONAL GROUPS BY SERVICE.

A. ARMY OFFICER OCCUPATIONAL GROUP DEFINITIONS.

1. Occupation: Legal (Officer)
QRMC Category 4 DOD Occupation Code: 5F

This occupational category includes the legal subcategory. The current objective endstrength for this category is 1799 which is 2% of total current objective officer endstrength.

2. Occupation: Chaplain (Officer)
QMRC Category 5 DOD Occupation Code: 5G

This occupational category includes the Chaplain subcategory. The current objective endstrength for this category is 1450 which is 2% of total current objective officer endstrength.

3. Occupation: Physician (Officer)
QRMC Category 6 DOD Occupation Codes 6A0 1-2,4,6,-9,12-13, 15-17,19-23,2528,30-34,36

This occupational category includes the following subcategories: aerospace medicine, allergy, anesthesiology, cardiology, dermatology, gastroenterology, general medicine, internal medicine, neurology, obstetrics and gynecology, occupational medicine, opthalmology, otolaryngology, pathology, pediatrics, physical medicine, preventive medicine, psychiatry, pulmonary disease, radiology, special weapons defense, general surgery, neurological surgery, orthopedic surgery, plastic surgery, thoracic surgery and urology. The current objective endstrength for this category is 4982 which is 6% of total current objective officer endstrength.

4. Occupation: Dentist (Officer)
QRMC Category 7 DOD Occupation Code: 6C

This occupational category includes the dentist subcategory. The current objective endstrength for this category is 1812 which is 2% of total current objective officer endstrength.

5. Occupation: Nurse (Officer)
QRMC Category 8 DOD Occupation Codes: 6E, F

This occupational category includes the general nurse and nursing specialist subcategories. The current objective endstrength for this category is 3892 which is 4% of total current objective officer endstrength.

6. Occupation: Veterinarian (Officer)
QRMC Category 9 DOD Occupation Code: 6G

This occupational category includes the veterinarian subcategory. The current objective endstrength for this category is 395 which is .5% of total current objective officer endstrength.

7. Occupation: Medical Service (Officer)
   QRMC Category 10 DOD Occupation Codes: 2C,G; 4A; 5A,C,E,H; 6H;7C,D,E,M;8B

This occupational category includes the health services personnel in the following subcategories: aeromedical evacuation; plans, operations, intelligence and training; construction and utilities; biochemistry; biological science; psychology; social work; manpower and personnel; comptroller; information systems; medical administration; supply and other medical service responsibilities. The current objective endstrength for this category is 4961 which is 6% of total current objective officer endstrength.

8. Occupation: Bio-Medical Service (Officer)
   QRMC Category 11 DOD Occupation Codes: 5E,6H

This occupational category includes the psychological evaluation and other medical officer subcategories. The current objective endstrength for this category is 464 which is .5% of total current objective officer endstrength.

9. Occupation: Pilot (Officer)
   QRMC Category 12 DOD Occupational Codes: 2B,C

This occupational category includes the helicopter pilot subcategory, some of whom are also pilots in the other fixed wing subcategory. The current objective endstrength for this category is 6625 which is 7% of total current objective officer endstrength.

10. Occupation: Combat Arms (Officer)
    QRMC Category 14/15 DOD Occupation Code: 2E,F,G

This occupational category includes the following subcatergories: ground arms, missiles and operations staff. The current objective endstrength for this category is 31289 which is 35% of total current objective officer endstrength.

11. Occupation: Support (Officer)
    QRMC Category 19/20/25 DOD Occupation Codes: 4C,E-f,K,M-N, 8A-G

This occupational category includes the following subcategories: communications and radar, ordnance, missile maintenance, chemical, surveying and mapping, logistics, supply, transportation, procurement and production, food service, exchange and commissary and other engineering, maintenance, supply and procurement functions not otherwise assigned to a previously listed subcategory. The current objective endstrength for this category is 14424 which is 16% of total current objective officer endstrength.

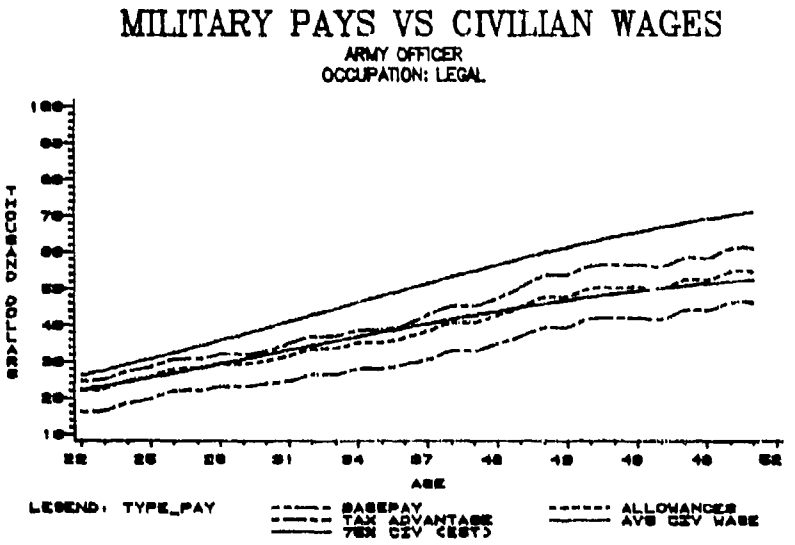
12. Occupation: Other (Officer)
QRMC Category 16/17/18/21/22/23/24 DOD Occupation Codes:
3A-C,4A-B,D, 5A,D,J, L,7A,C-E,G-H,N

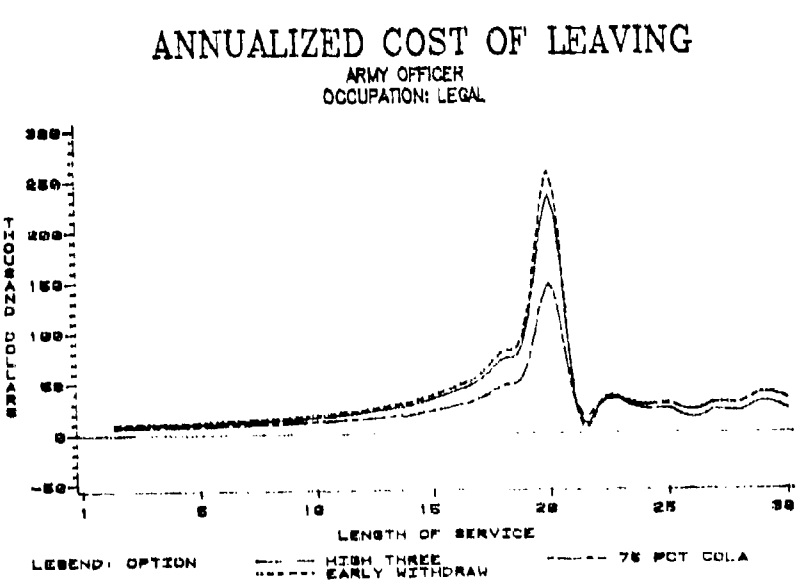
This occupational category includes the following subcategories: general intelligence, communciations intelligence, counterintelligence, construction and utilities, electrical/electronic, aviation maintenance, physical science, social science, mathematics and statistics, research and development, general administration, manpower and personnel, comptroller and fiscal, data processing, information, police, morale and welfare. The current objective endstrength for this category is 16781 which is 19% of total current objective officer endstrength.

List of Figures (Army Officers)

N-II.A. 1. Army Legal
N-II.A. 2. Army Chaplain
N-II.A. 3. Army Physician
N-II.A. 4. Army Dentist
N-II.A. 5. Army Nurse
N-II.A. 6. Army Veterinarian
N-II.A. 7. Army Medical Service
N-II.A. 8. Army Bio-Medical Service
N-II.A. 9. Army Pilot
N-II.A. 10. Army Combat Arms
N-II.A. 11. Army Support
N-II.A. 12. Army Total Officer

Figure N-II.A.1
Army Legal





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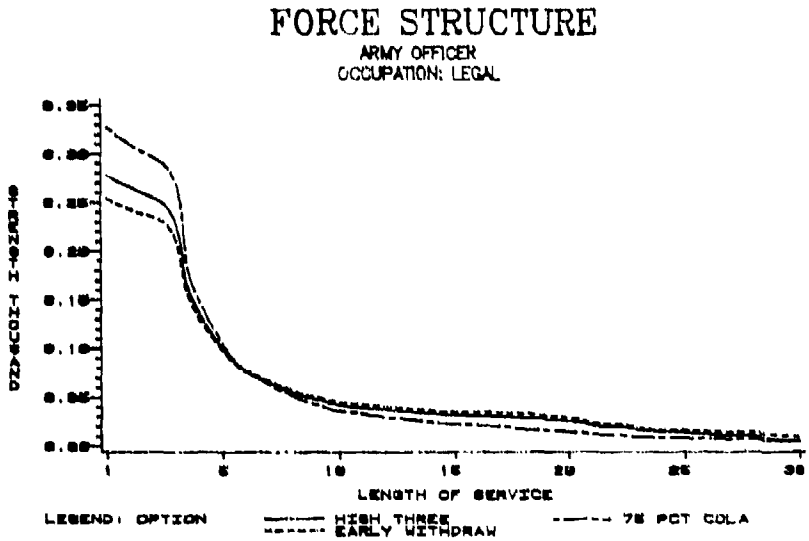


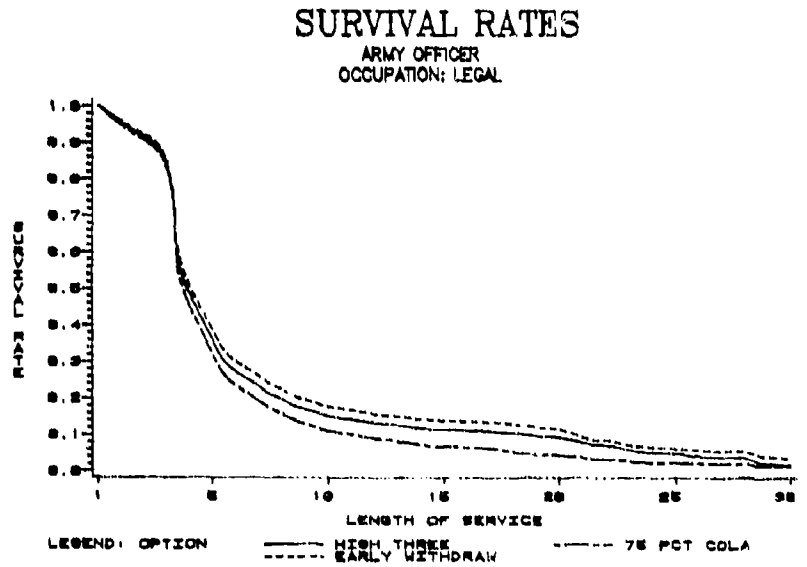
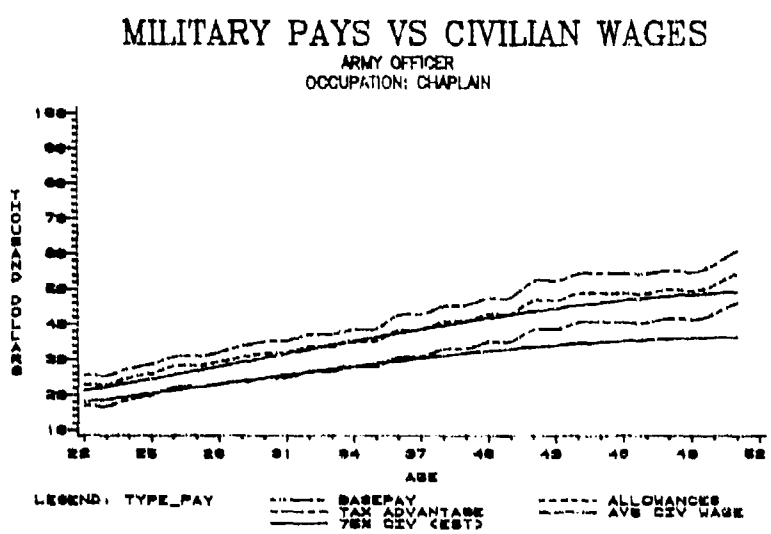


Figure N-II.A.2
Army Chaplain



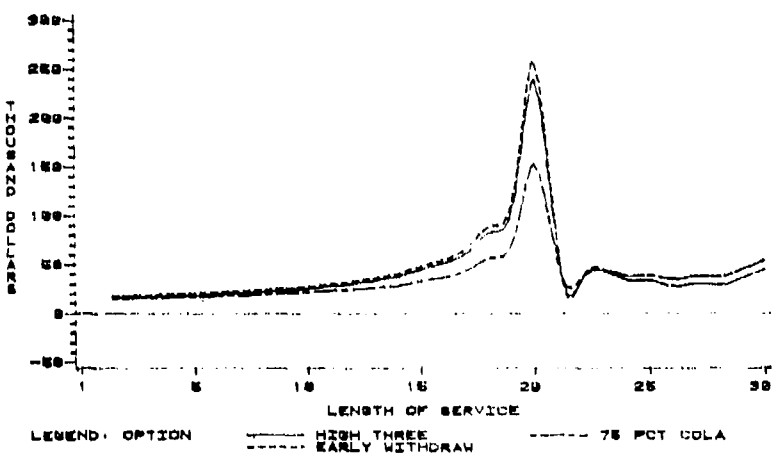
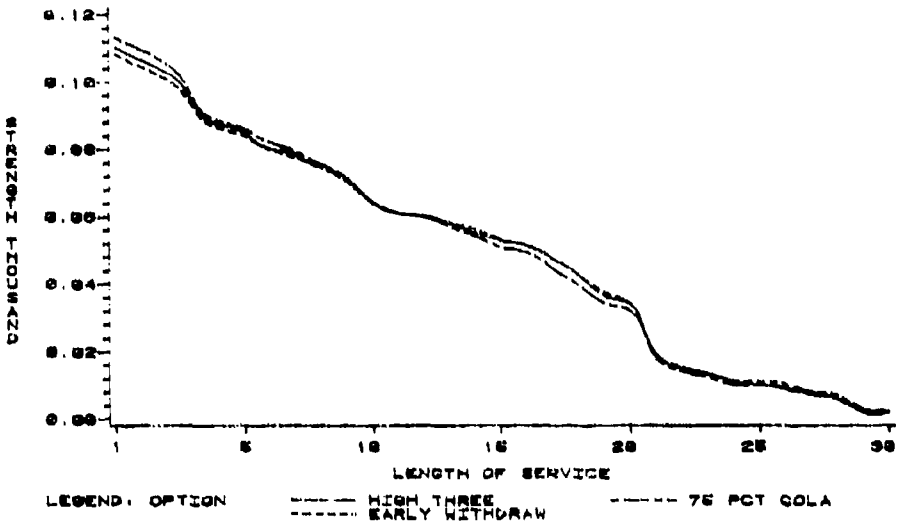


Figure N-II.A.2 (Cont)

FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: CHAPLAIN



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: CHAPLAIN

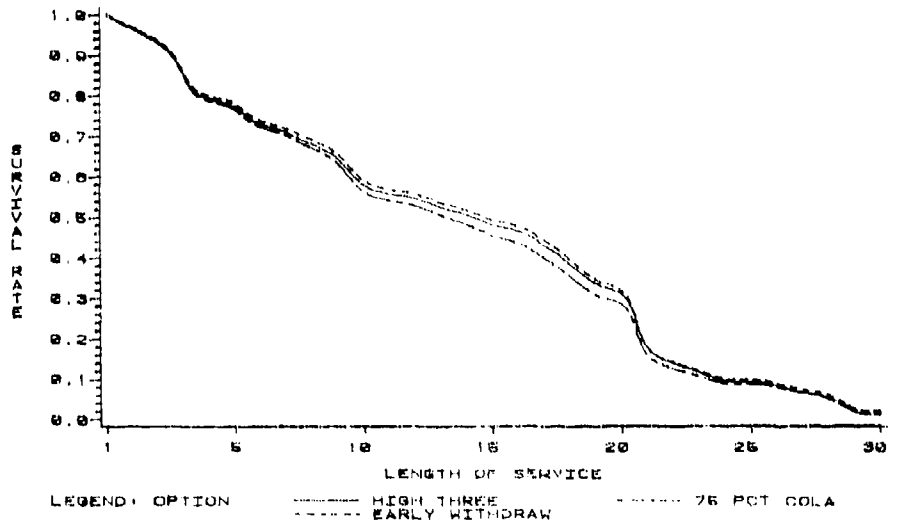
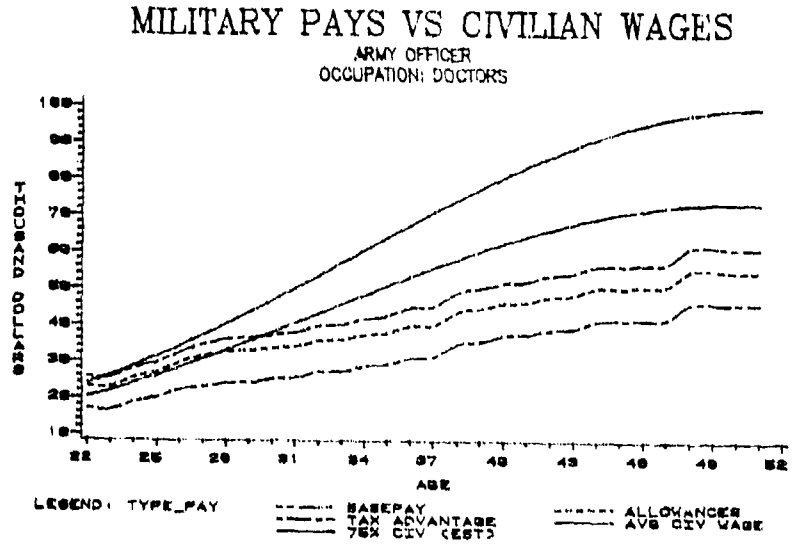
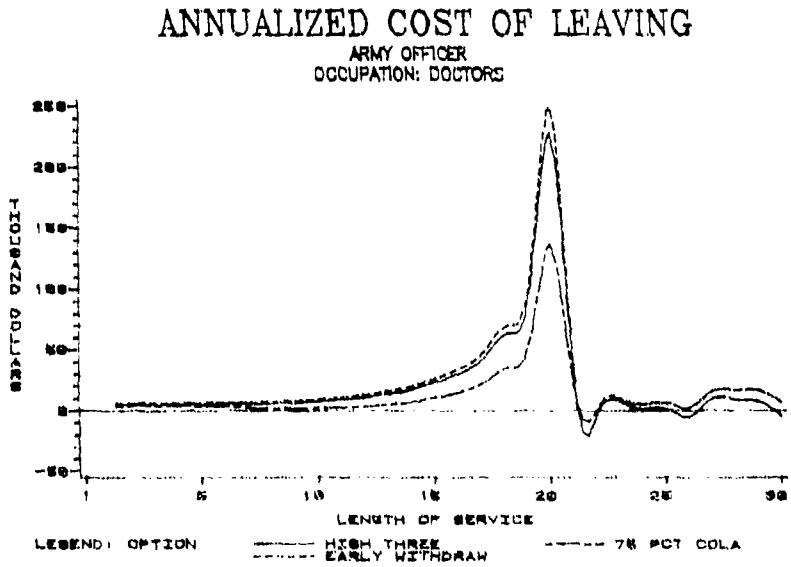


Figure N-II,A.3
Army Physician





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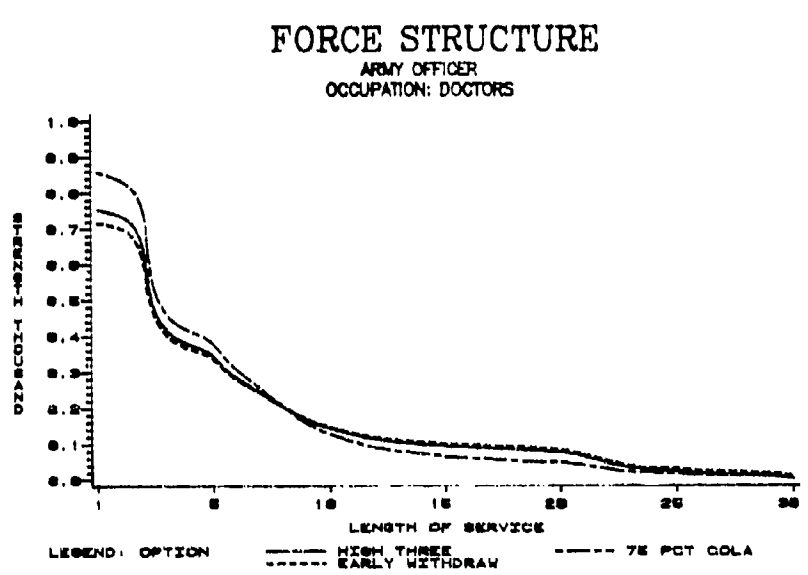


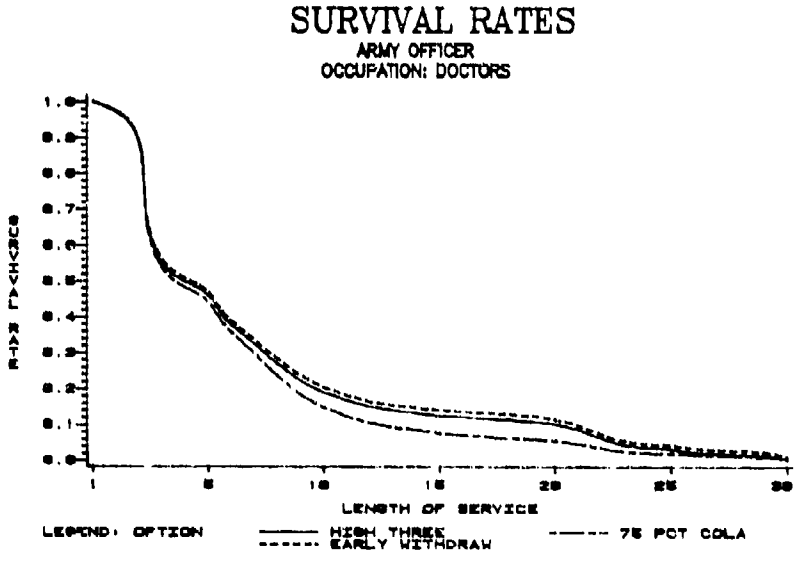
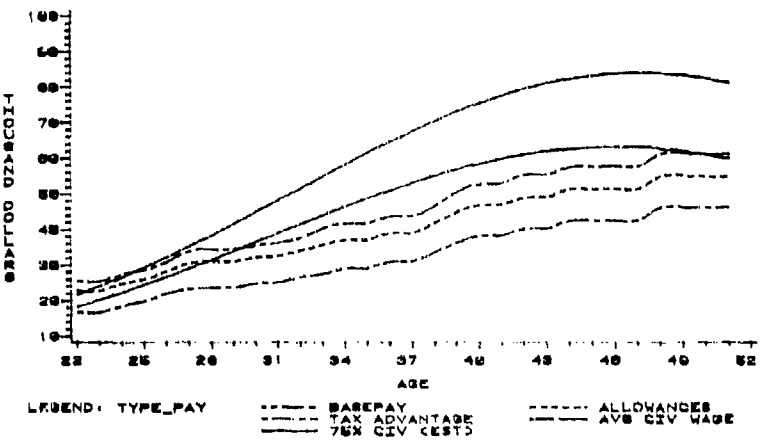


Figure N-II.A.4
Army Dentist

MILITARY PAYS VS CIVILIAN WAGES

ARMY OFFICER
OCCUPATION: DENTISTS



ANNUALIZED COST OF LEAVING

ARMY OFFICER
OCCUPATION: DENTISTS

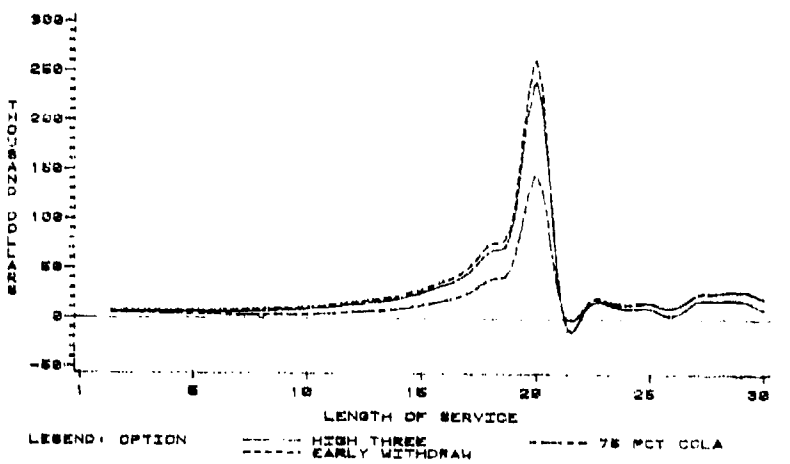
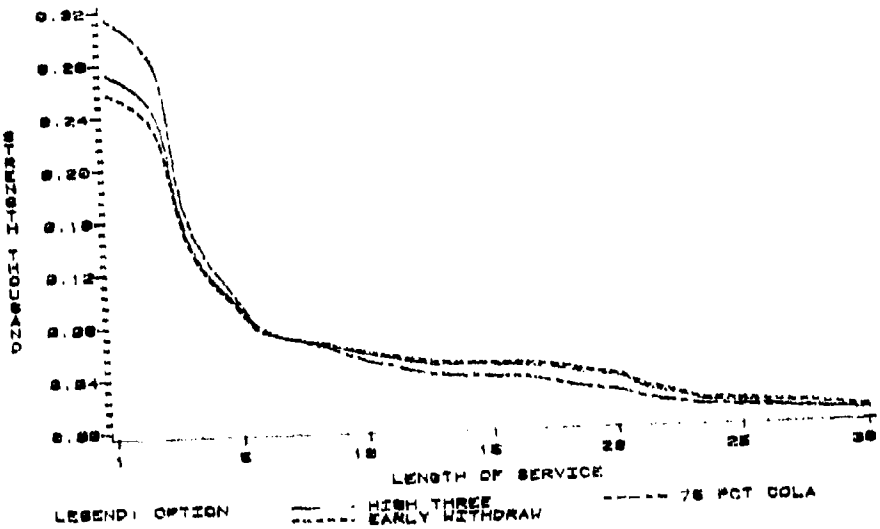


Figure N-II.A.4 (Cont)

FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: DENTISTS



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: DENTISTS

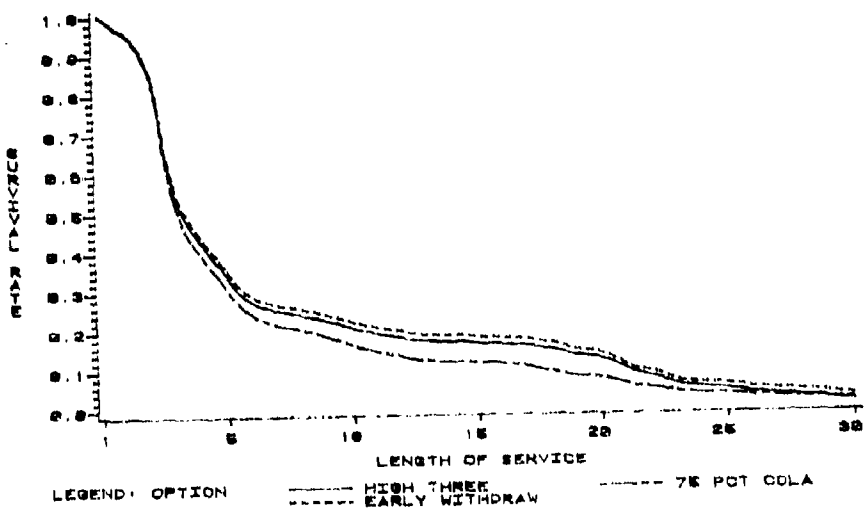
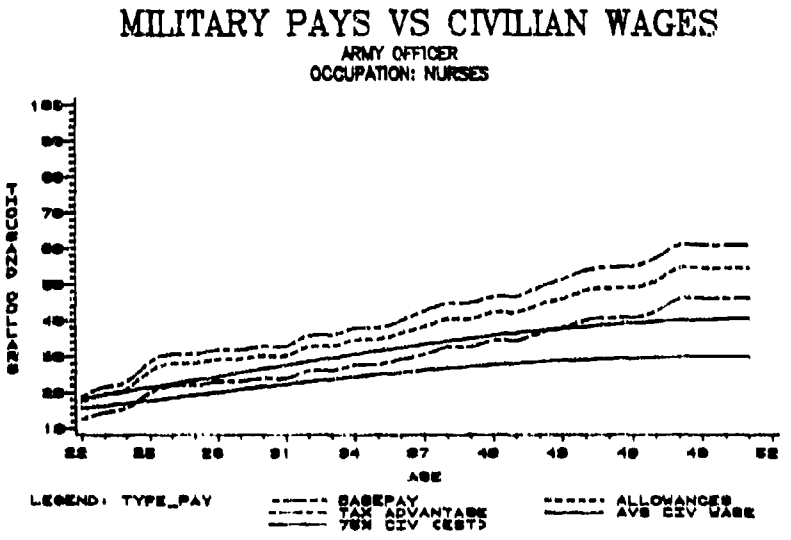


Figure N-II.A.5
Army Nurse



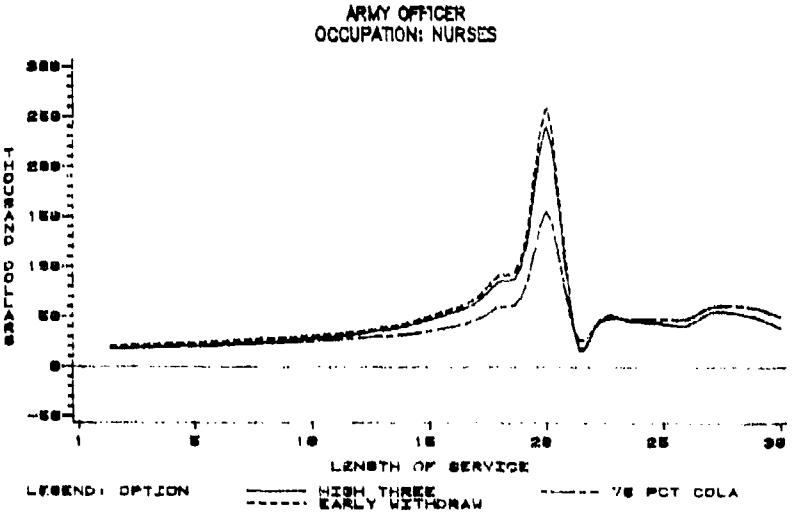
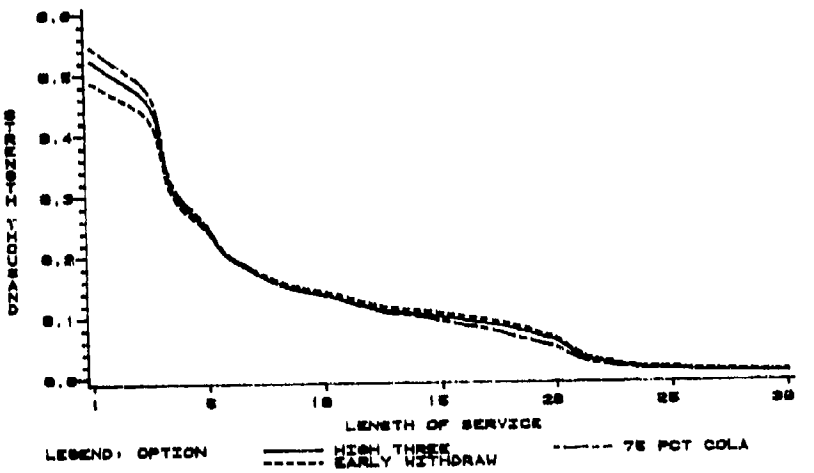


Figure N-II.A.5 (Cont)

FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: NURSES



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: NURSES

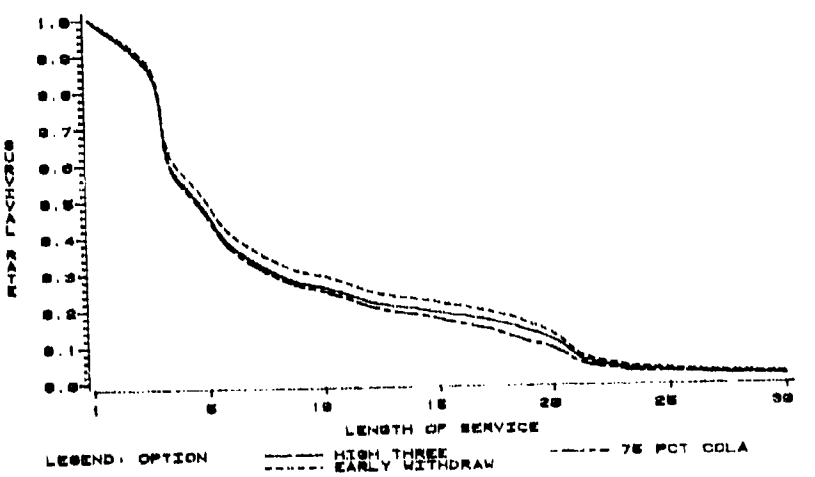
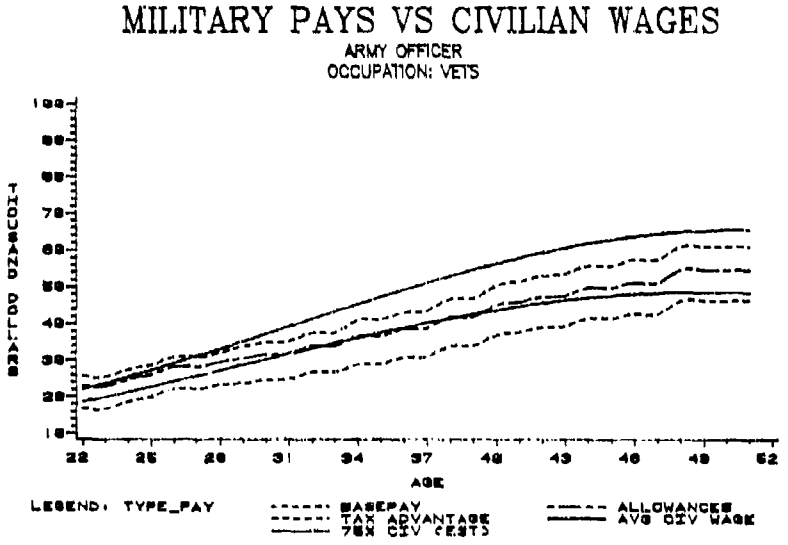
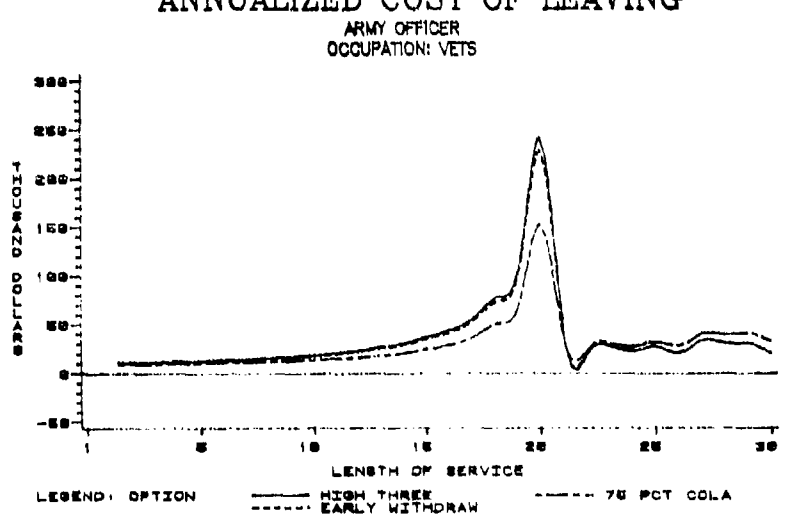


Figure N-II.A.6
Army Veterinarian





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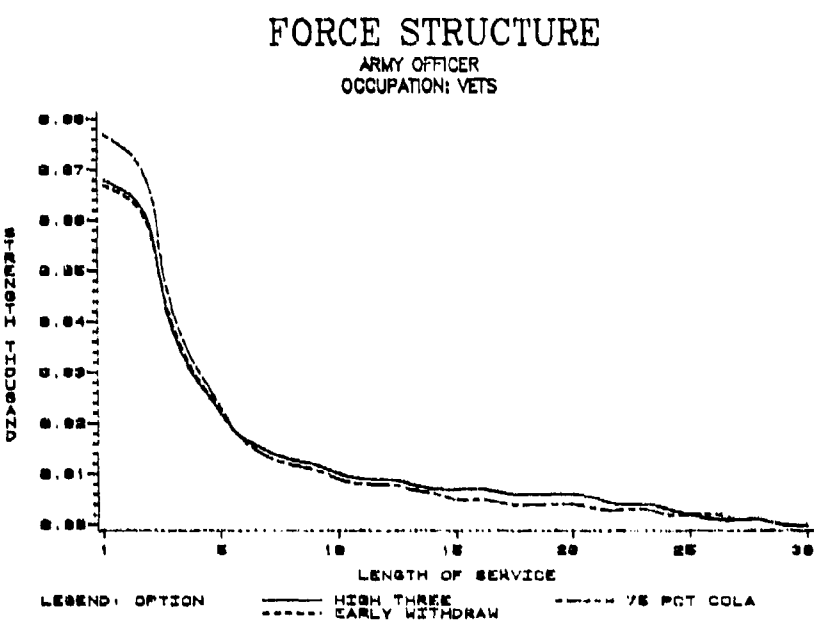


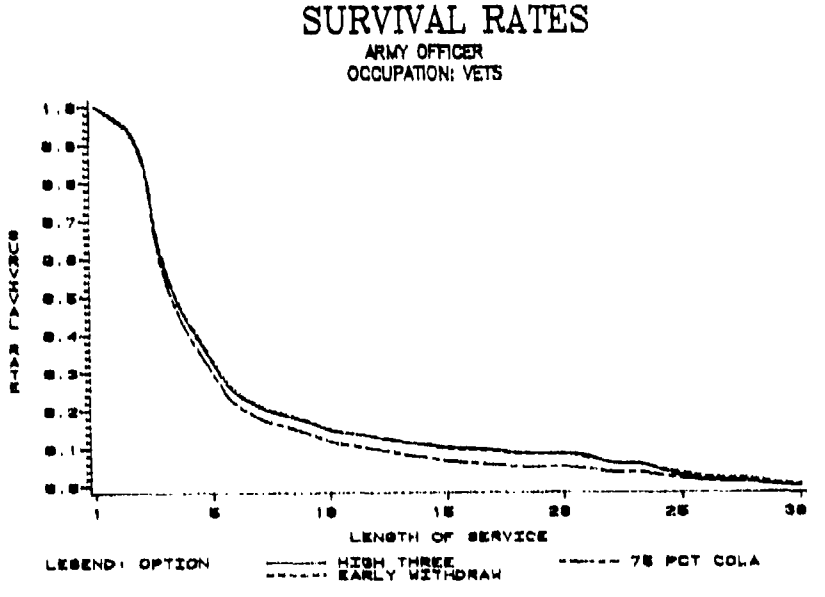
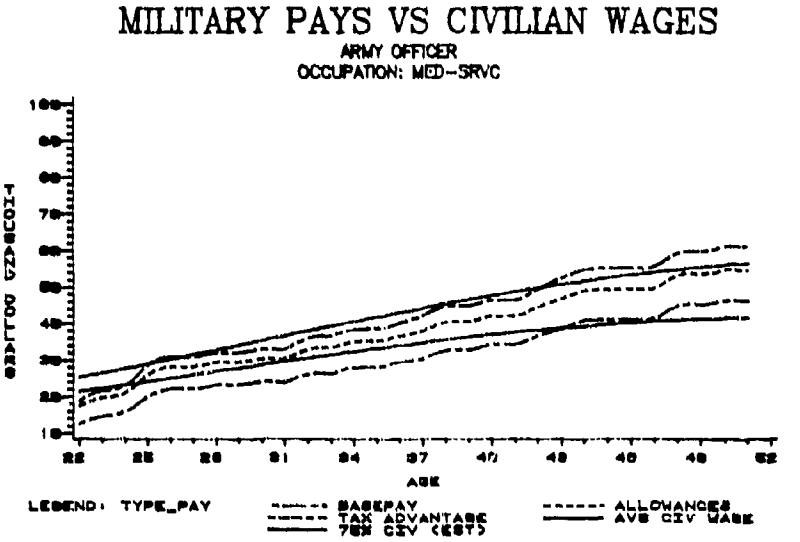


Figure N-II.A.7
Army Medical Service



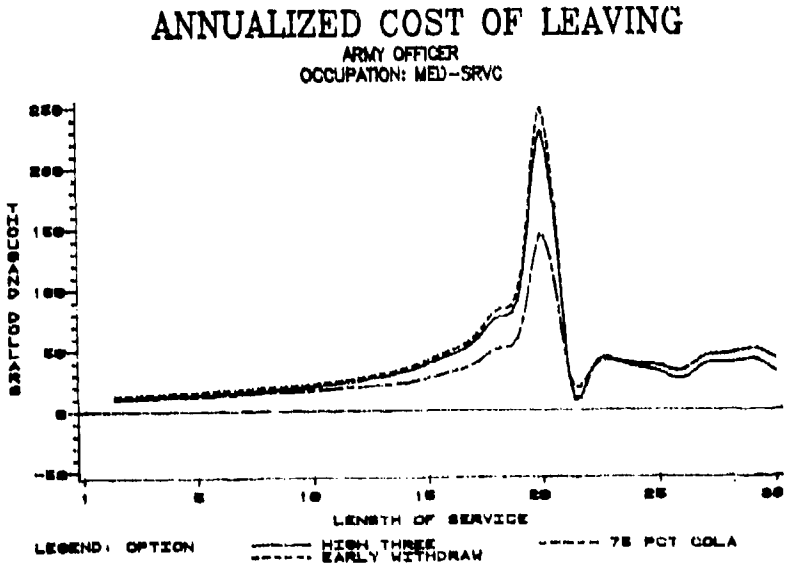
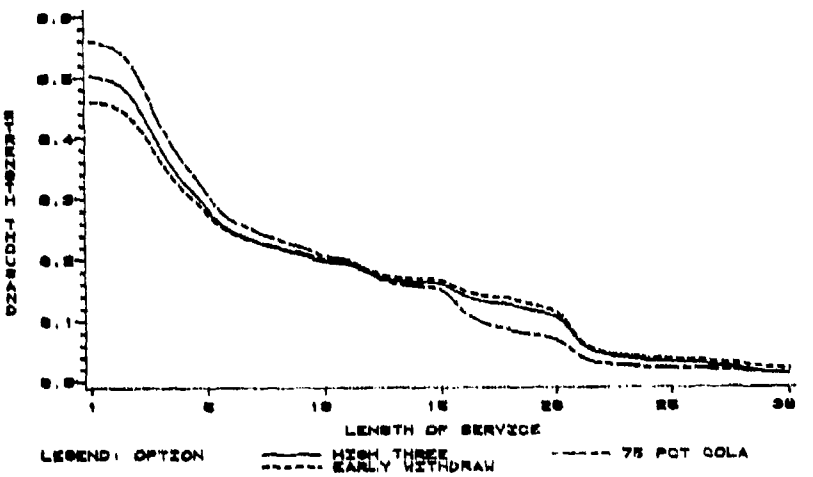


Figure N-II.A.7 (Cont)

FORCE STRUCTURE

ARMY OFFICER
OCCUPATION: MED-SRVC



SURVIVAL RATES

ARMY OFFICER
OCCUPATION: MED-SRVC

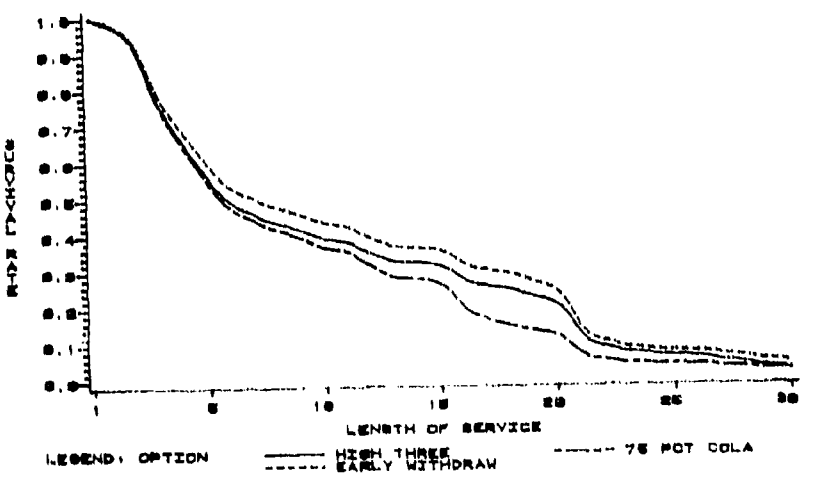
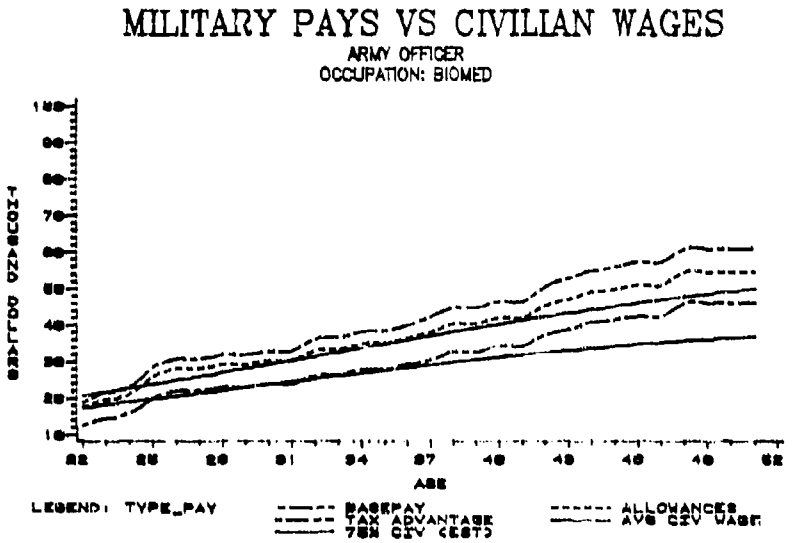
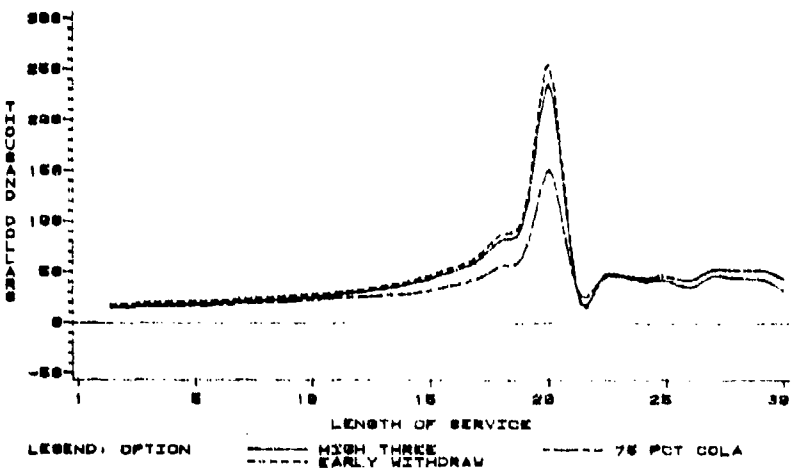


Figure N-II.A.8
Army Bio-Medical Service





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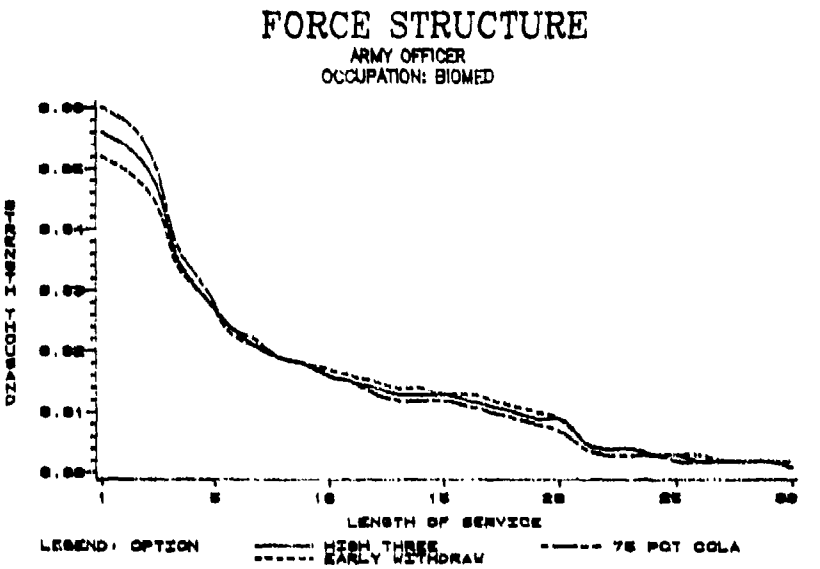


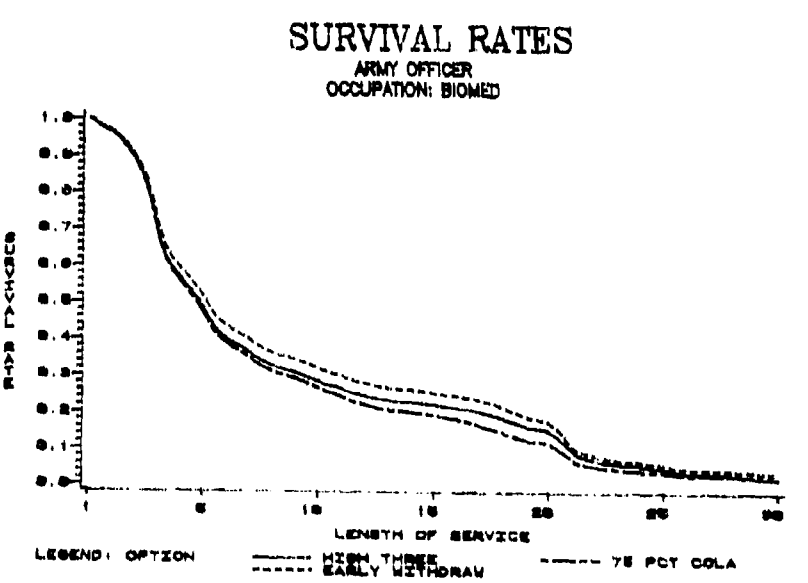
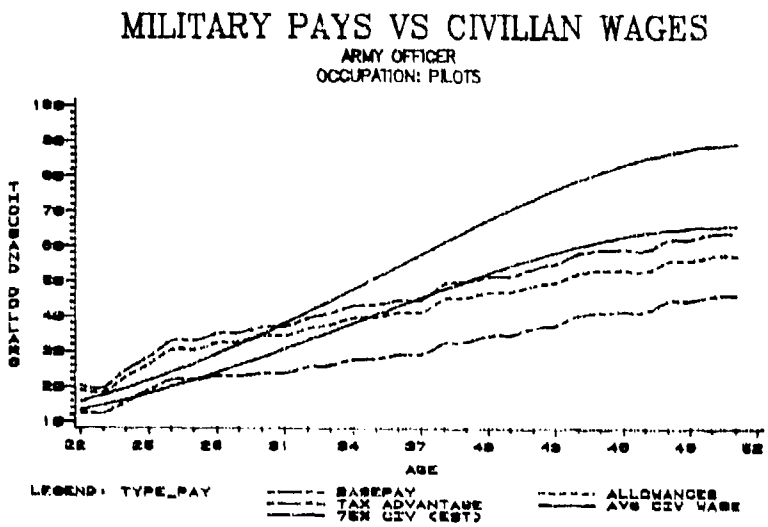
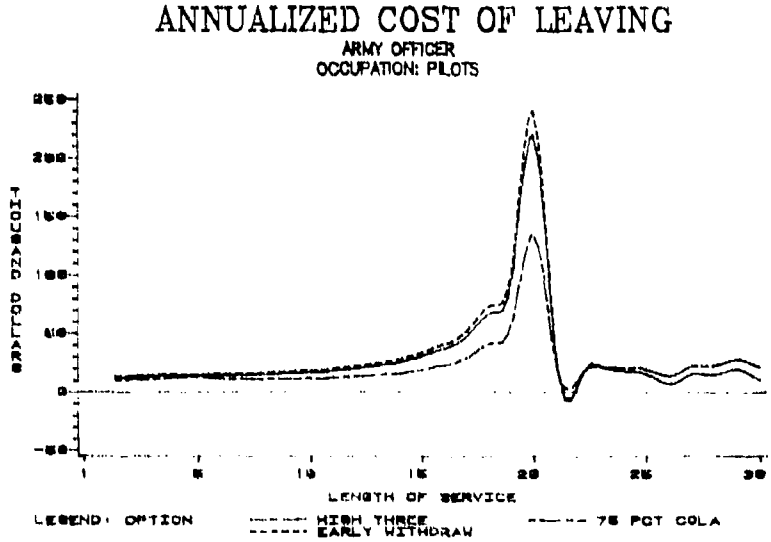


Figure N-II.A.9
Army Pilot





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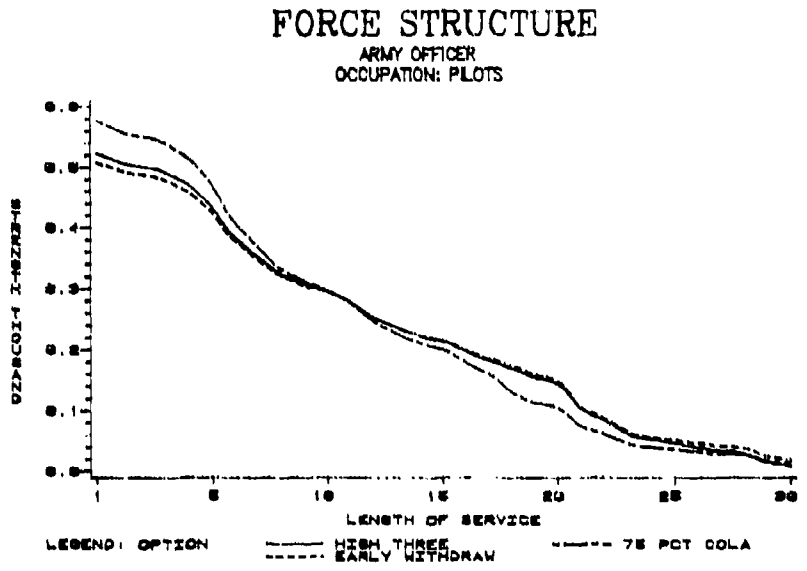


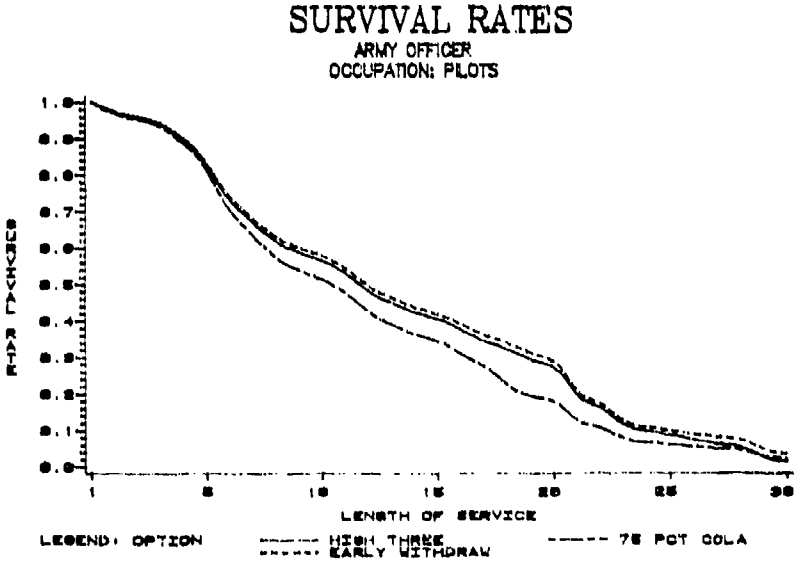
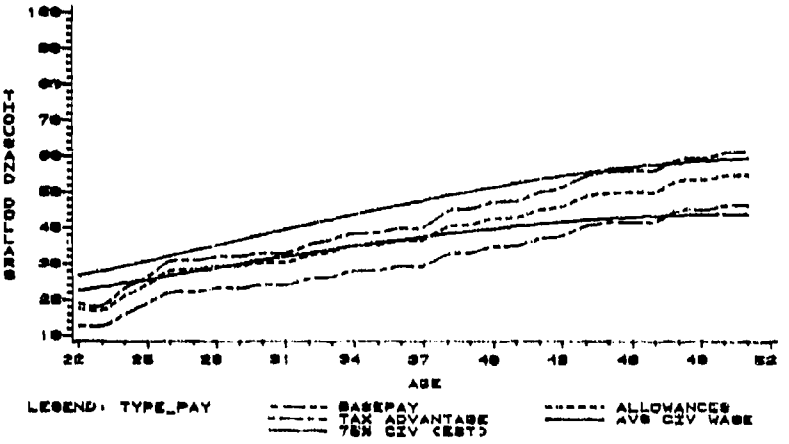


Figure N-11.A.10
Army Combat Arms

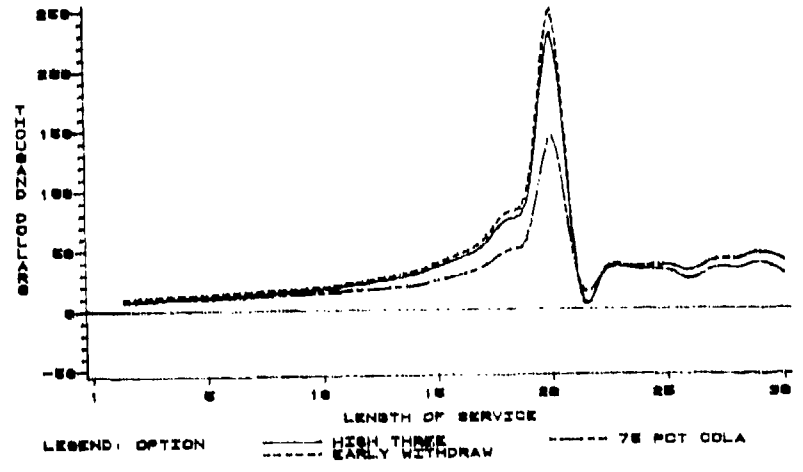
MILITARY PAYS VS CIVILIAN WAGES

ARMY OFFICER
OCCUPATION: COMBAT



ANNUALIZED COST OF LEAVING

ARMY OFFICER
OCCUPATION: COMBAT



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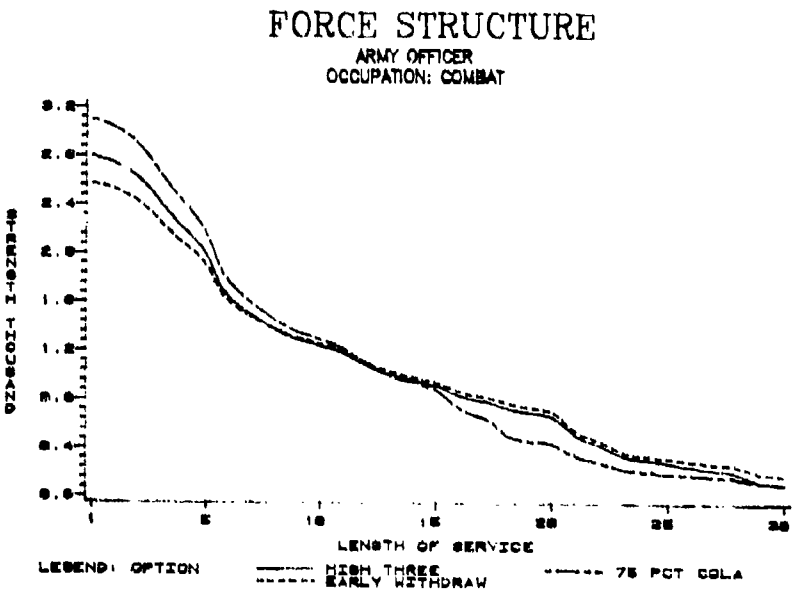


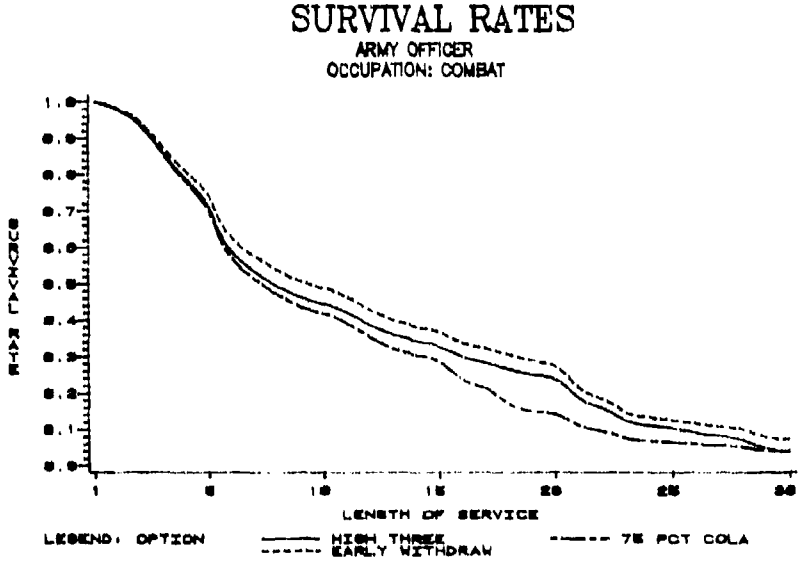
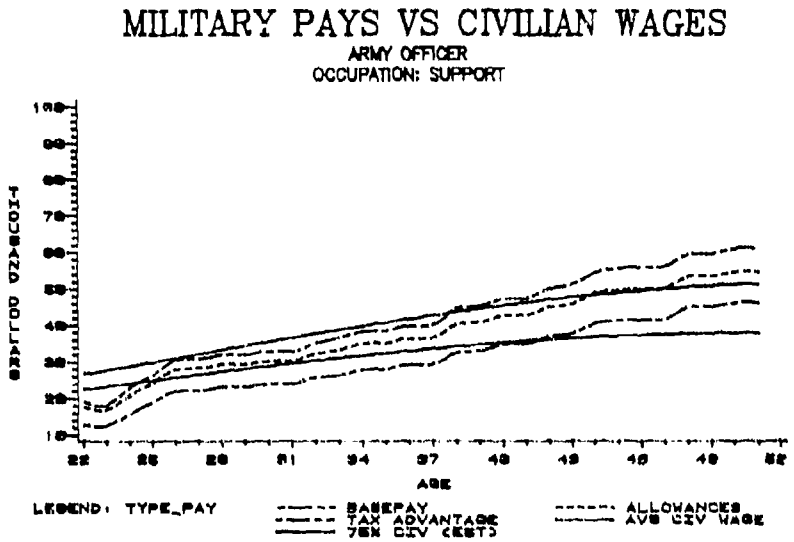
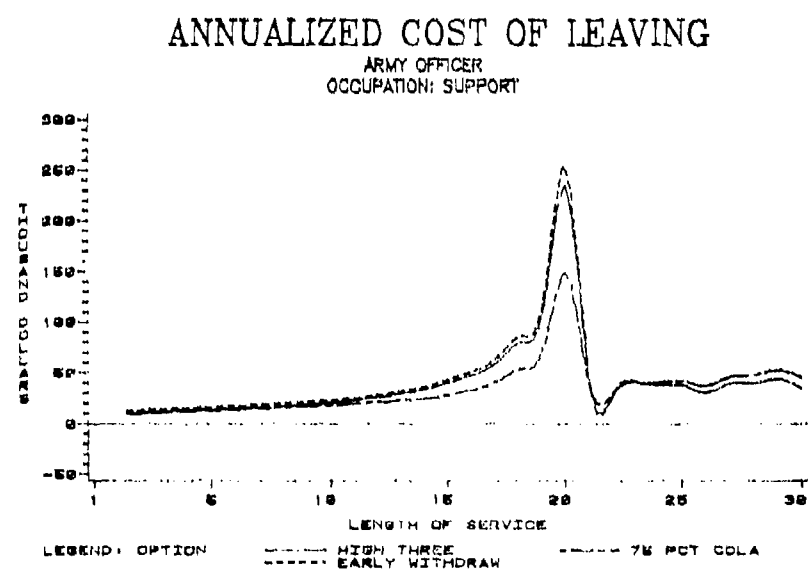


Figure N-II.A.11
Army Support





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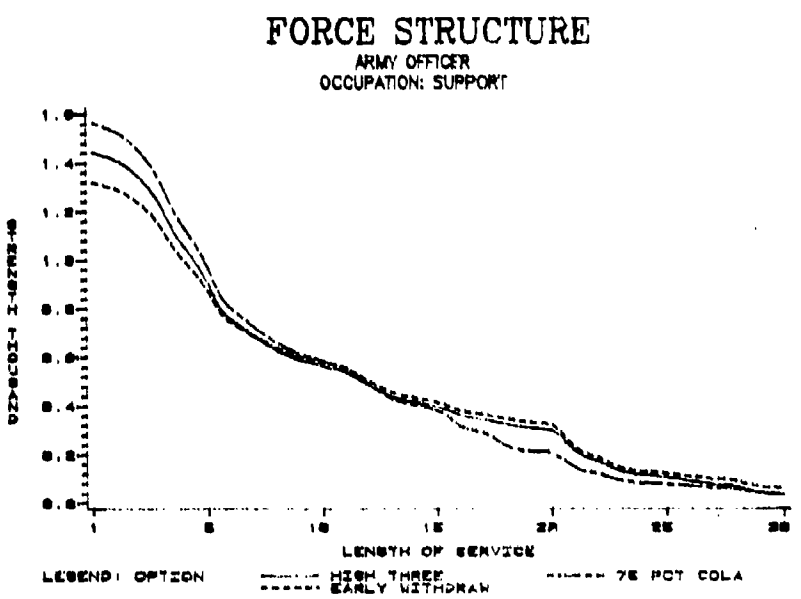


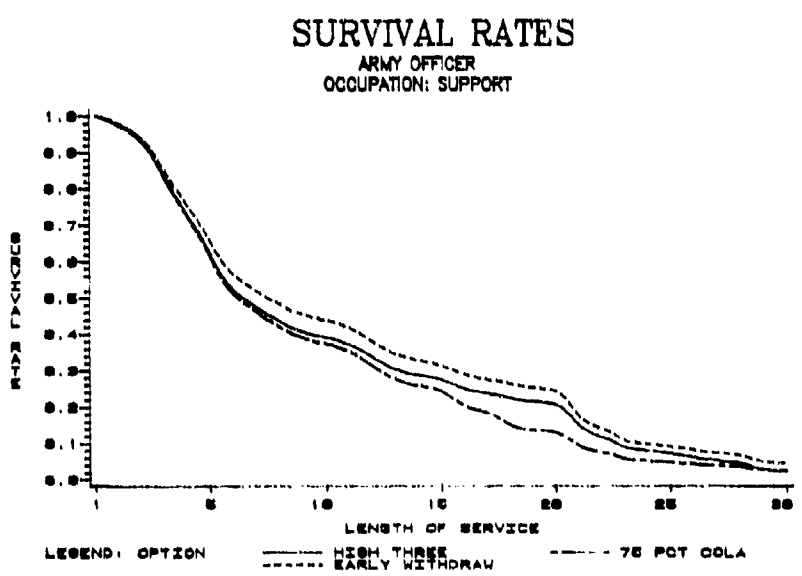
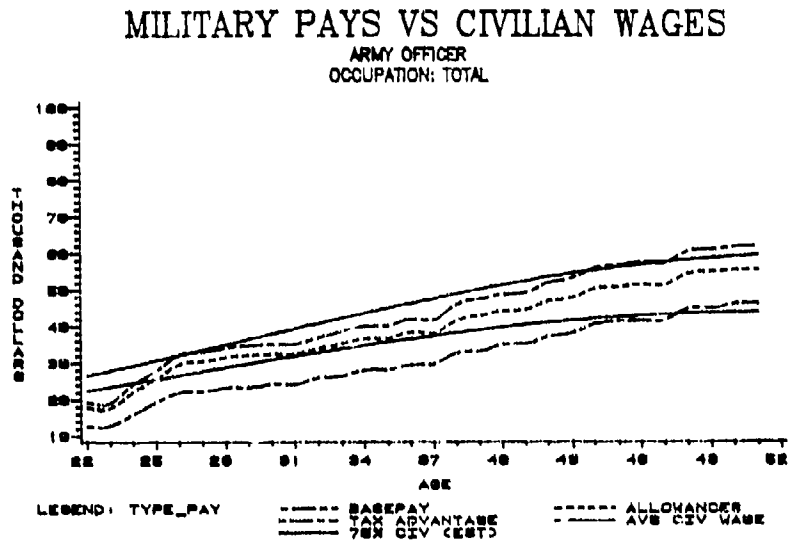
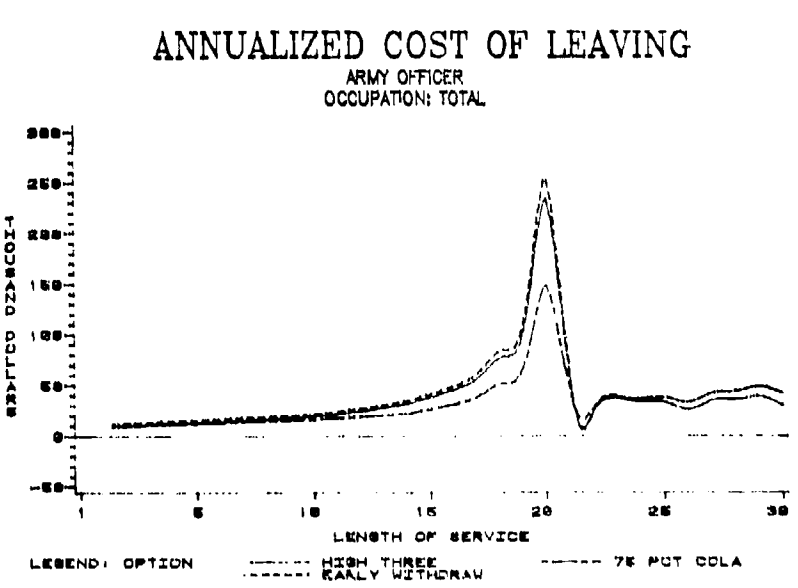


Figure N-II.A.12
Army Total Officer





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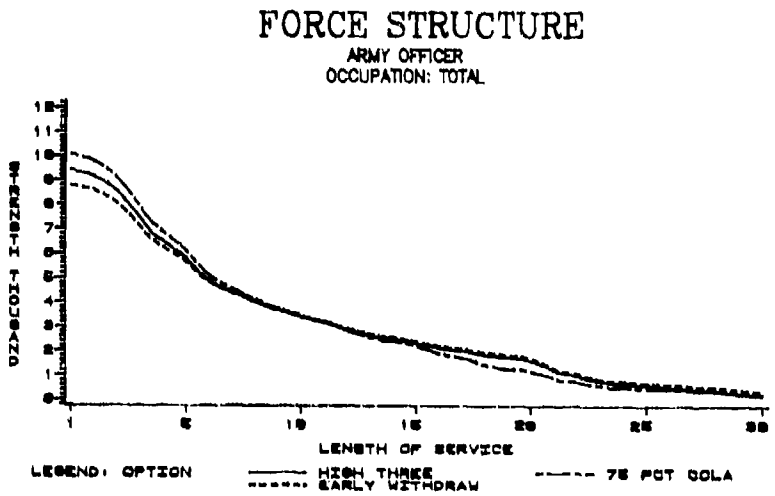

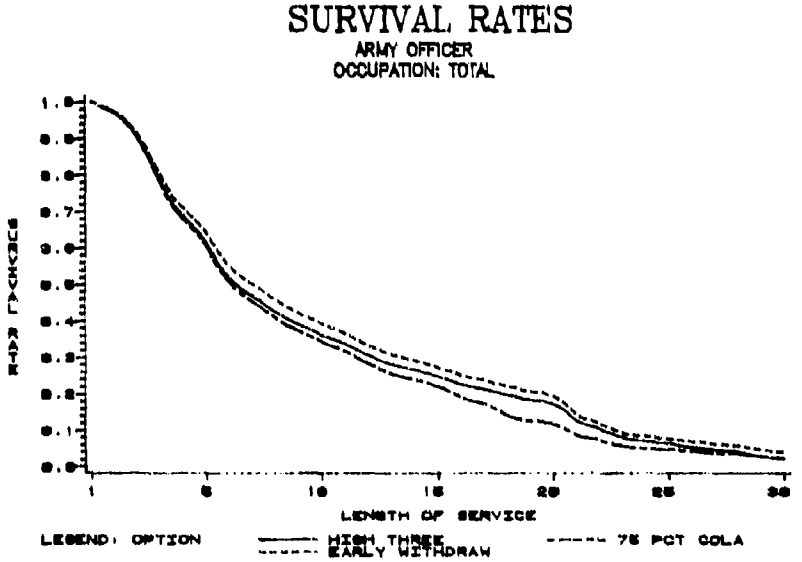

B. NAVY OFFICER OCCUPATIONAL GROUP DEFINITIONS.

1. Occupation: Legal (Officer)
QRMC Category 4 DoD Occupation Code: 5F

This occupation includes lawyers and legal officers. The current objective endstrength for this category is 988, which is 1.6% of total objective officer endstrength.

2. Occupation: Chaplain (Officer)
QRMC Category 5 DoD Occupation Code: 5G

This occupation includes ordained and other certified clergymen. The current objective endstrength for this category is 1,038, which is 1.7% of total objective officer endstrength.

3. Occupation: Physician (Officer)
QRMC Category 6 DoD Occupation Code: 6A01,04,07,09,10,12, 13,15,16,17,19,20,21,22,23,25,27,28, 29,30,31,32,33,34,36,46

This occupation includes all medical doctors by areas of specialty. Included are: Aerospace Medicine, Anesthesiology, Dermatology, General Medicine, Intern, Internal Medicine, Neurology, Obstetrics, Gynecology, Occupational Medicine, Opthamology, Otolaryngology, Pathology, Pediatrics, Physical Medicine, Preventive Medicine, Psychiatry, Radiology, Nuclear Medicine, Submarine Medicine, General Surgery, Neurological Surgery, Orthopedic Surgery, Plastic Surgery, Thoracic Surgery, Urology, and Physicians, N.E.C. The current objective endstrength for this category is 3,460, which is 5.6% of total objective officer endstrength.

4. Occupation: Dentist (Officer)
QRMC Category 7 DoD Occupation Code 6C

This occupation includes all dental officers, oral surgeons, and dental specialists. The current objective endstrength for this category is 1,660, which is 2.7% of total objective officer endstrength.

5. Occupation: Nurse (Officer)
QRMC Category 8 DoD Occupation Code: 6E,6F

This occupation includes professional nurses on general duty, command and staff duty and on specialized duties requiring substantial advanced training. The current objective endstrength for this category is 2,732, which is 4.4% of total objective officer endstrength.

6. Occupation: Medical Service Corps (Officer)
QRMC Category 10 DoD Occupation Code: 7M*,8E*,4A*,5A*, 5C,5E*,5H*,6H*

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The Medical Service Corps includes six major occupational areas as follows: Health Care Administration, Medical Allied Sciences, Medical Specialists, Optometry, Pharmacy and Podiatry. The current objective endstrength for this category is 2,064, which is 3.3% of total objective officer endstrength.

7. Occupation: Pilots (Officer)
QRMC Category 12 DoD Occupation Code: 2A,2B,2C

This occupational group includes pilots of various types of fighters, attack, bombers and other aircraft, such as transport, supply and reconnaisance. Pilots of helicopters are also included. The current objective endstrength for this category is 10,555, which is 17.0% of total objective officer endstrength.

8. Occupation: Navigators/NFO
QRMC Category 13 DoD Occupation Code: 2D,4C*

This occupational group includes navigators, bombers, radar intercept officers, and other operational aircraft crewmembers. The current objective endstrength for this category is 4,918, which is 7.9% of total objective officer endstrength.

9. Occupation: Surface and Sub-surface Warfare Officers
QRMC Category 14 & 15 DoD Occupation Code: 2E,2F,2G

This occupational group includes ship commanders and other warfare-related officers, guided and ballistic missile systems officers, unit commanders, combat, operations and intelligence staff officers. The current objective endstrength for this category is 18,161, which is 3.2% of total objective officer endstrength.

10. Occupation: Total, Administration and Logistics
QRMC Category 35 DoD Occupation Code: 7A,7B,7C,7D,7E, 7F,7L,7N,8X

This includes the following occupational groups: Administrators, General, Training Administrators, Manpower and Personnel, Comptrollers and Fiscal, Data Processing, Pictorial, Inspection, Morale and Welfare, General Logistics, Supply, Transportation, Procurement and Production, Food Service, Exchange and Commissary and Other.

11. Occupation: Total, Engineering and Maintenance
QRMC Category 29 DoD Occupation Code: 4A,4B,4D,4C,4E-N

This includes the following occupational groups: Construction and Utilities, Electrical/Electronic, Communications and Radar, Aviation Maintenance and Allied, Ordnance, Missile Maintenance, Ship Construction and Maintenance, Ship Machinery, Safety, Chemical, Automotive and Allied, Surveying and Mapping and Other.

12. Occupation: Total, Scientific
QRMC Category 30 DoD Occupation Code: 5A,B,D,J,L,M,N

This includes the following occupational groups: Physical Scientists, Meterorologists, Biological Scientists, Social Scientists, Mathematicians and Statisticians, Research and Development Coordinators, Community Activities Officers.

13. Occupation: Warrant Offiers, Other
QRMC Category 51 DoD Occupation Code: N/A

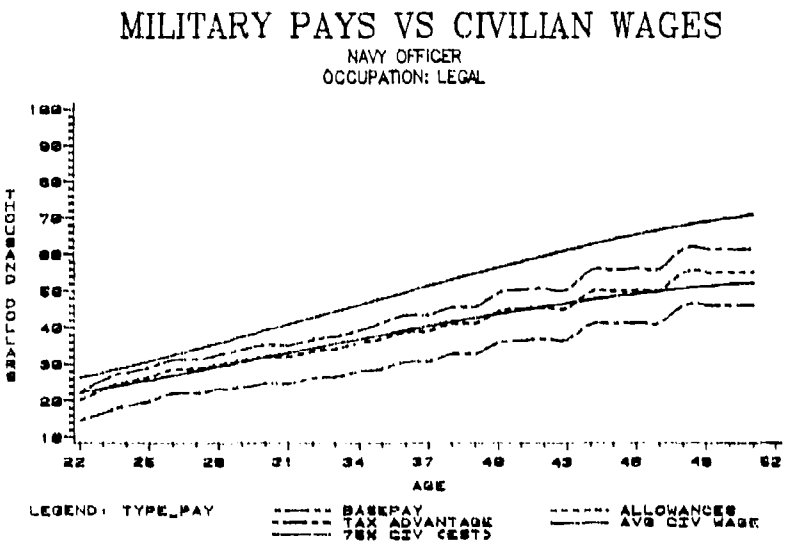
Line and Staff Commissioned Warrant Officers are appointed for duty in the technical fields indicated by former enlisted ratings groups. The Officer Billet Designator Codes (OBDC) are used to identify the specialty qualifications required for the billets.

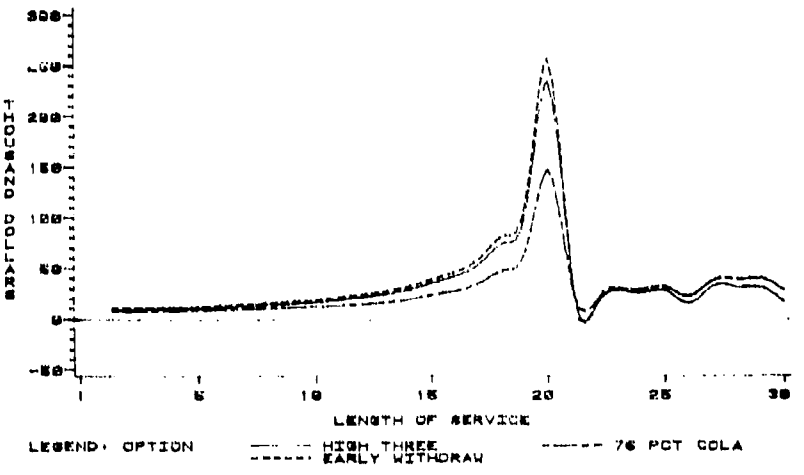
*indicates only a portion of group is included.

List of Figures (Navy Officers)

N-II.B. 1. Navy Legal
N-II.B. 2. Navy Chaplain
N-II.B. 3. Navy Physician
N-II.B. 4. Navy Dentist
N-II.B. 5. Navy Nurse
N-II.B. 6. Navy Medical Service Corps
N-II.B. 7. Navy Pilots
N-II.B. 8. Navy Navigators/NFO
N-II.B. 9. Navy Surface and Sub-surface Warfare
N-II.B. 10. Navy Other (Officers-except Warrants)
N-II.B. 11. Navy Total Officer

Figure N-II.B.1
Navy Legal





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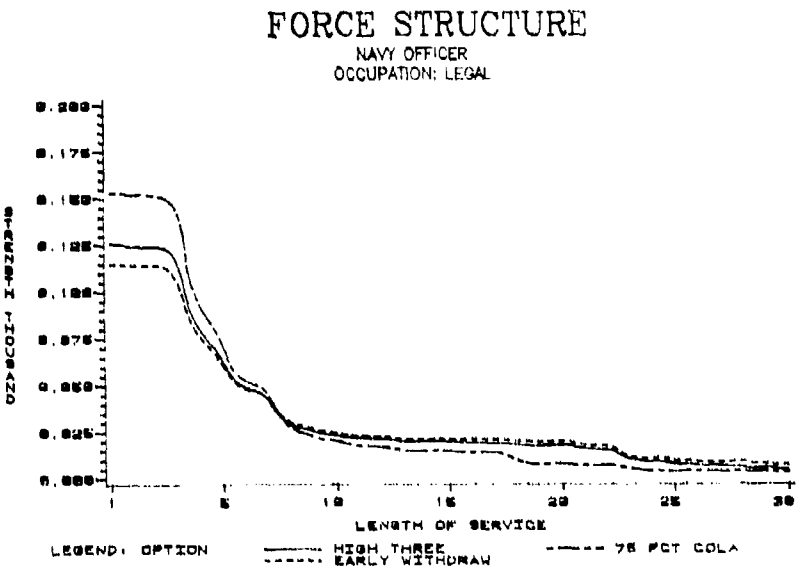


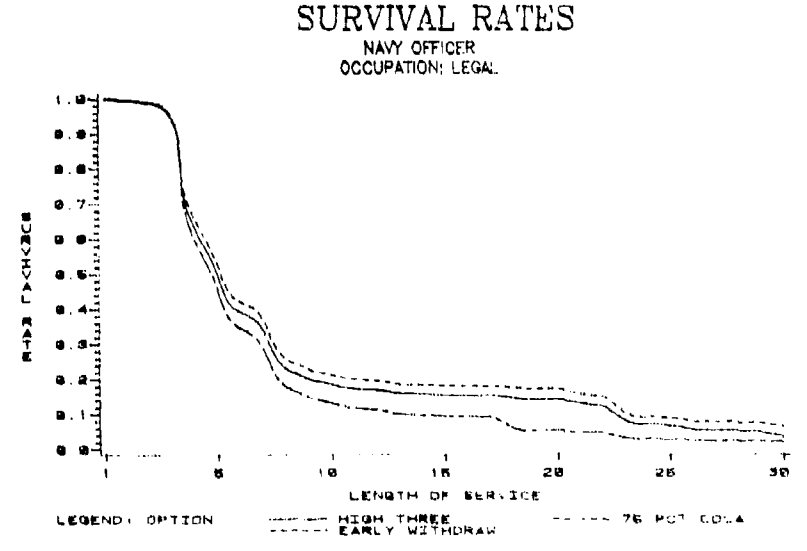
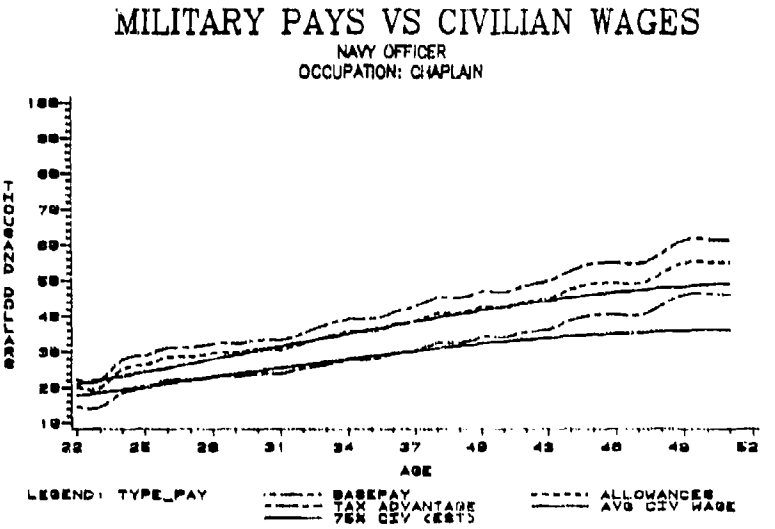


Figure N-II.B.2
Navy Chaplain



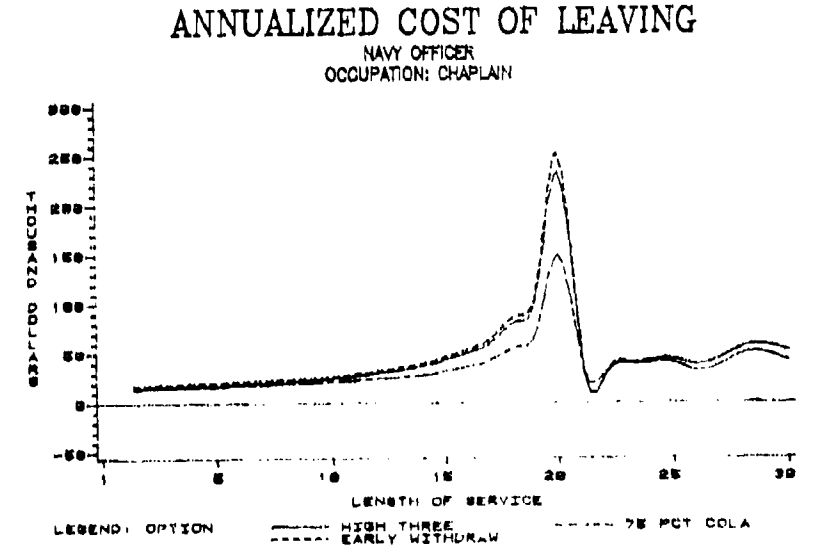
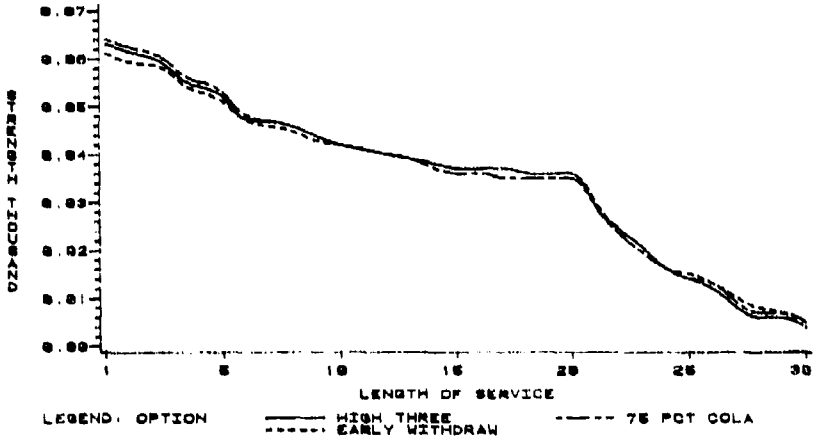


Figure N-II.B.2 (Cont)

FORCE STRUCTURE

NAVY OFFICER
OCCUPATION: CHAPLAIN



SURVIVAL RATES

NAVY OFFICER
OCCUPATION: CHAPLAIN

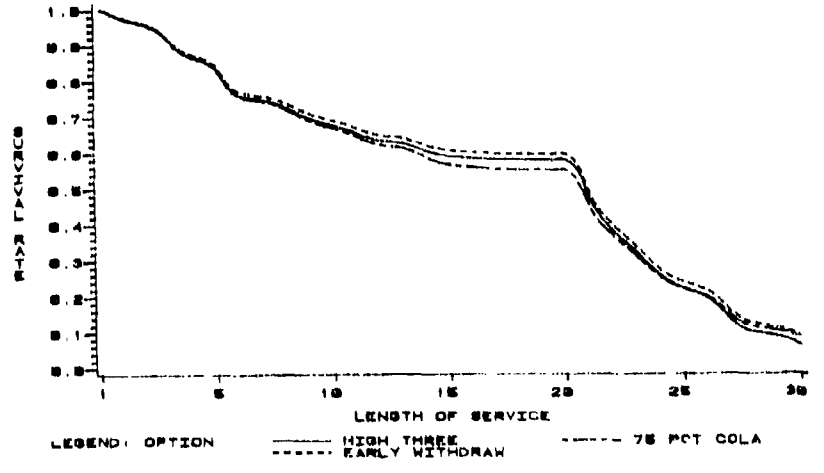
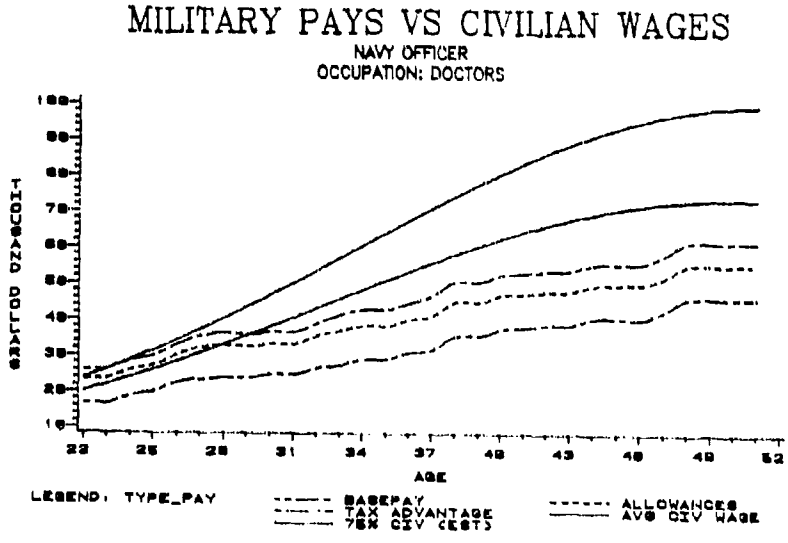


Figure N-II.B.3
Navy Physician



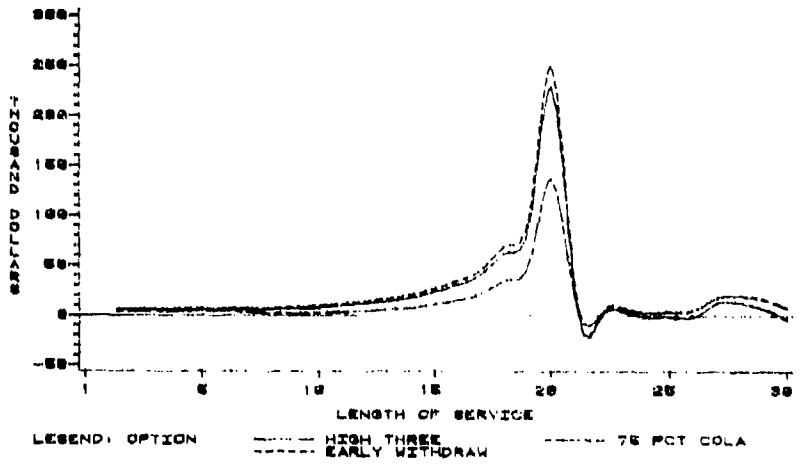
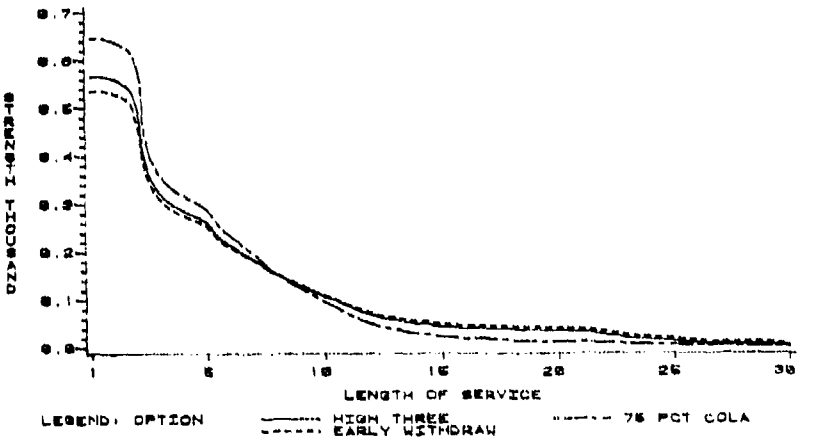


Figure N-II.B.3 (Cont)

FORCE STRUCTURE

NAVY OFFICER
OCCUPATION: DOCTORS



SURVIVAL RATES

NAVY OFFICER
OCCUPATION: DOCTORS

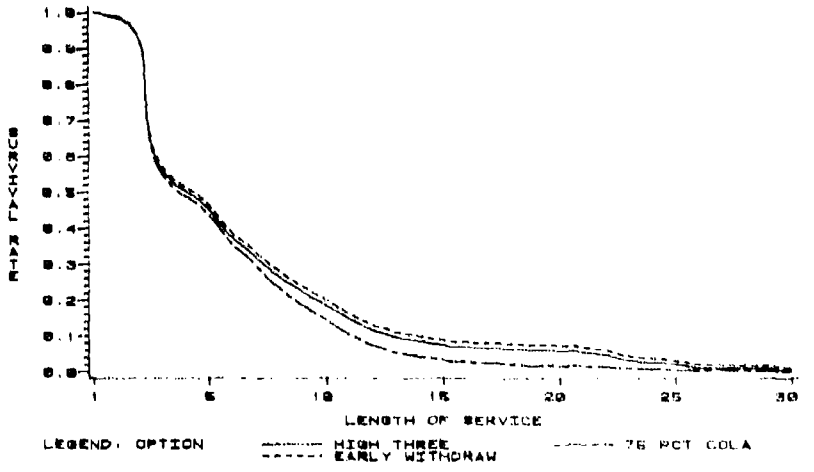
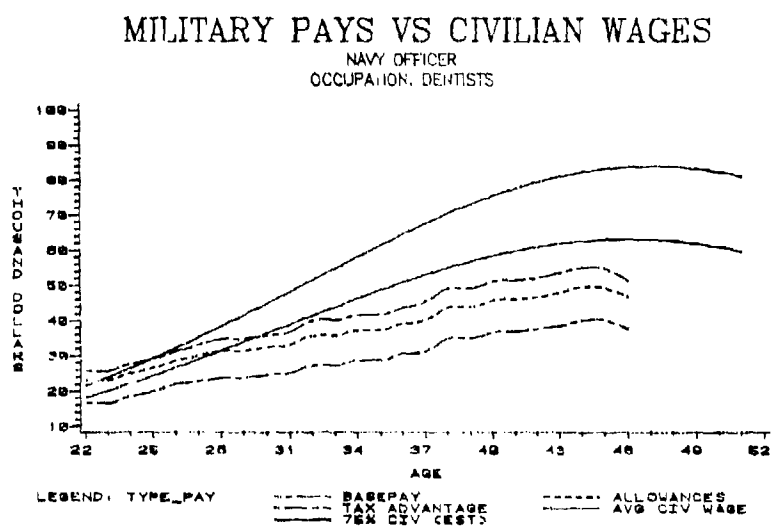


Figure N-II.B.4
Navy Dentist



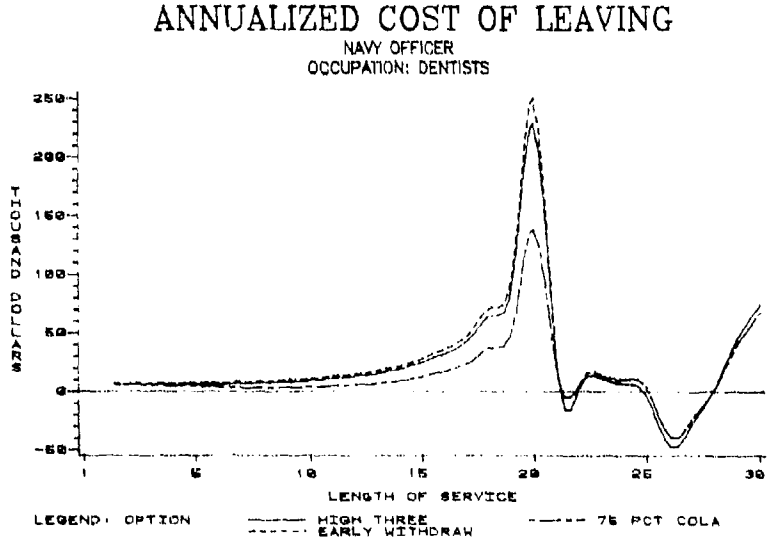
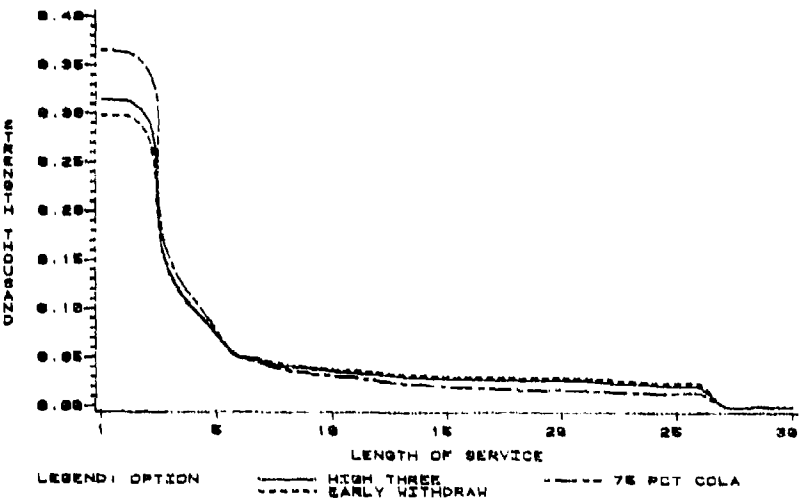


Figure N-II.B.4 (Cont)

FORCE STRUCTURE

NAVY OFFICER
OCCUPATION: DENTISTS



SURVIVAL RATES

NAVY OFFICER
OCCUPATION: DENTISTS

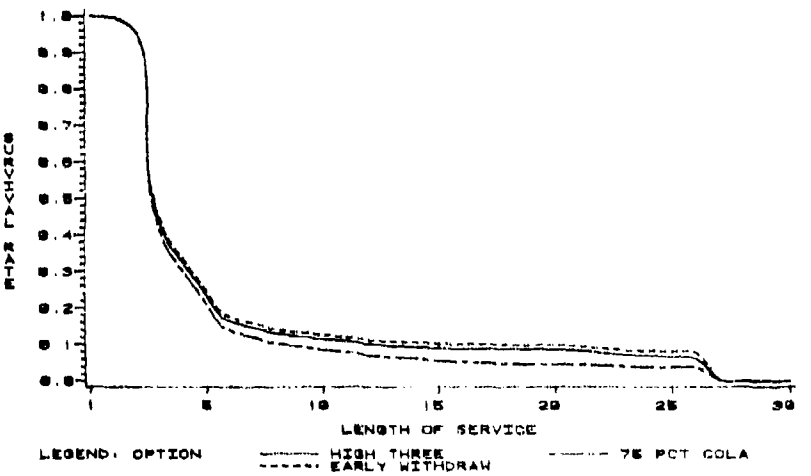
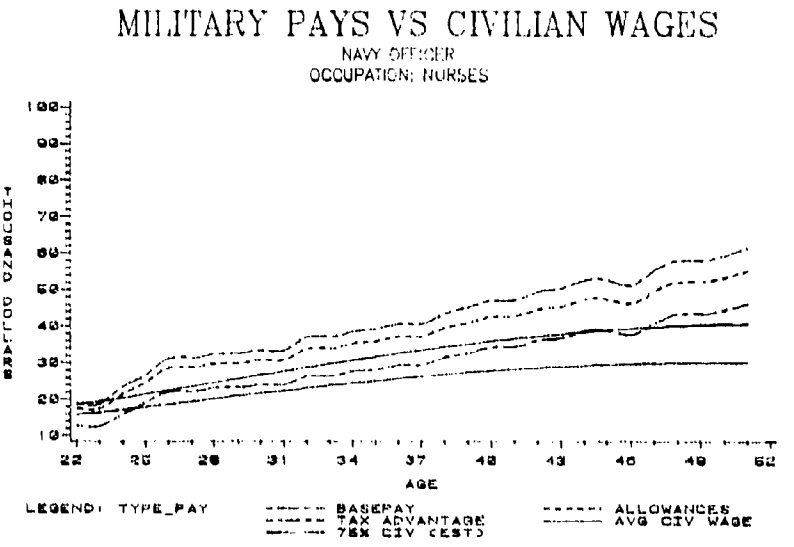


Figure N-II.B.5
Navy Nurse



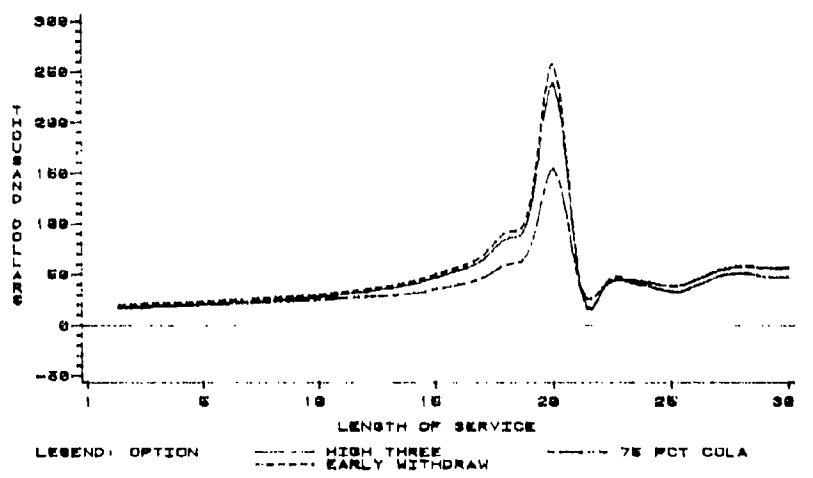
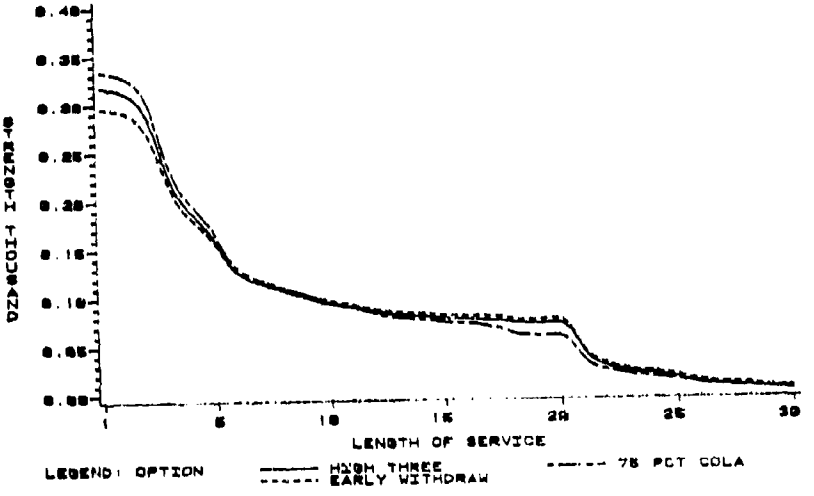


Figure N-II.B.5 (Cont)

FORCE STRUCTURE

NAVY OFFICER
OCCUPATION: NURSES



SURVIVAL RATES

NAVY OFFICER
OCCUPATION: NURSES

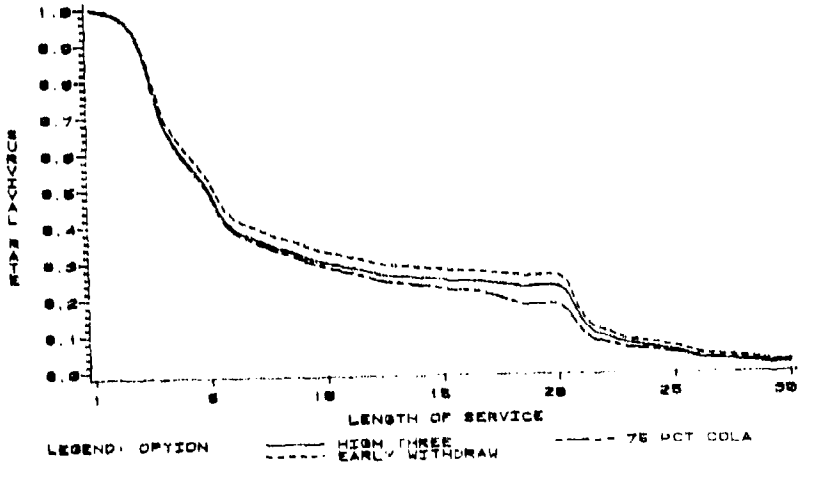
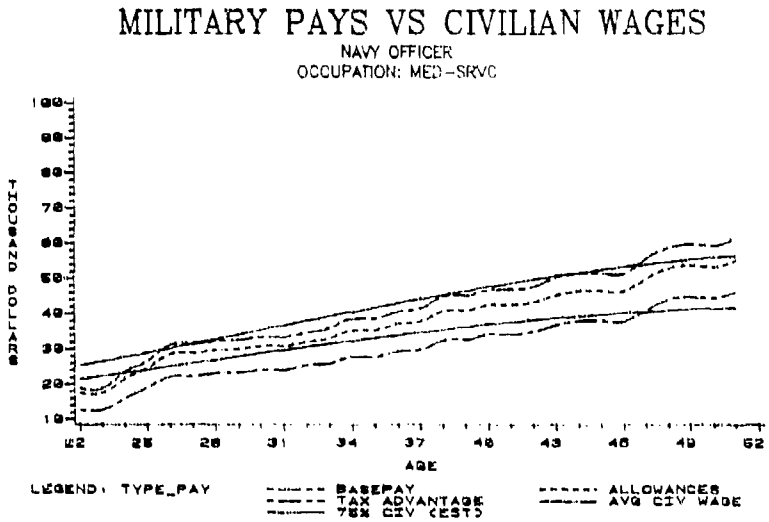
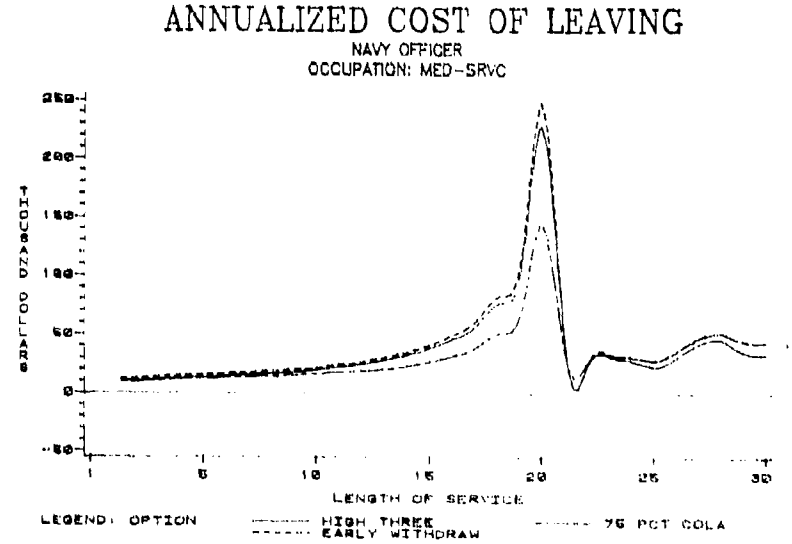


Figure N-II.B.6
Navy Medical Service Corps





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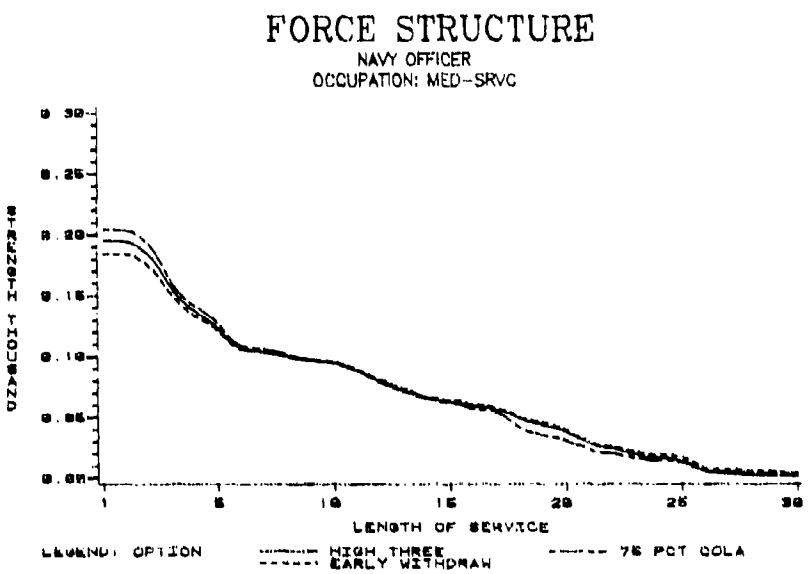


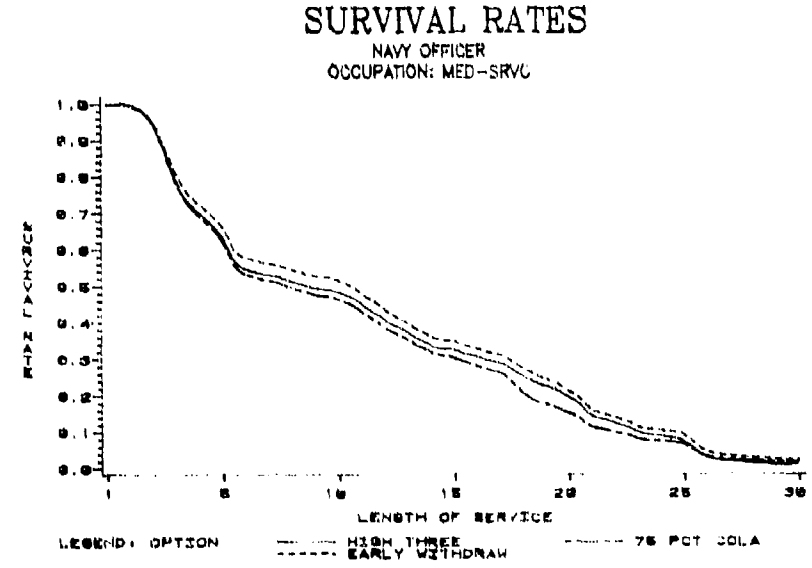
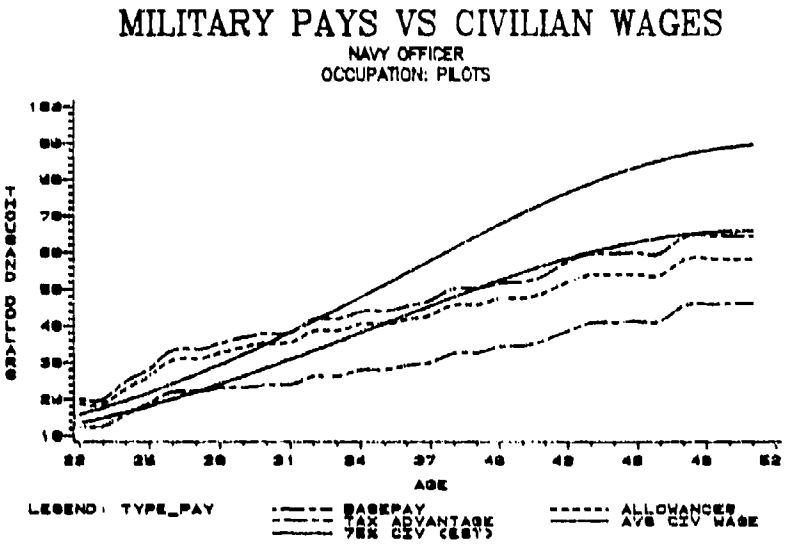
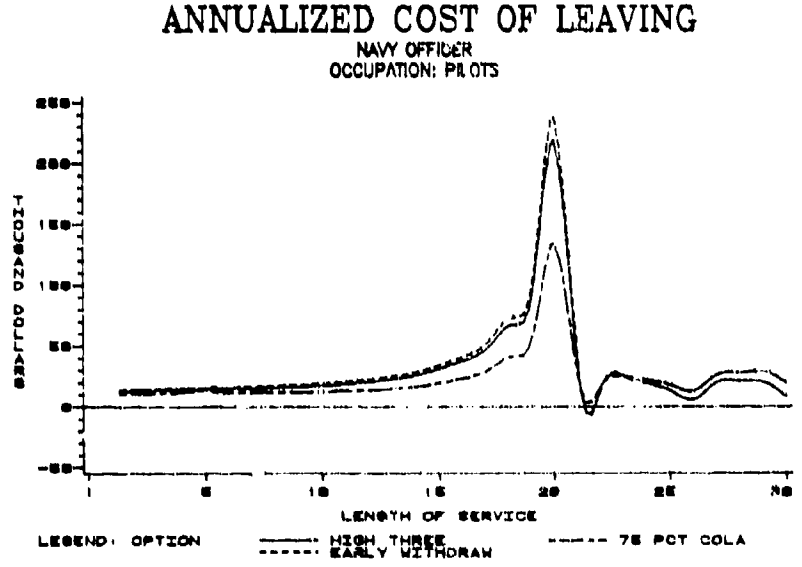


Figure N-II.B.7
Navy Pilots





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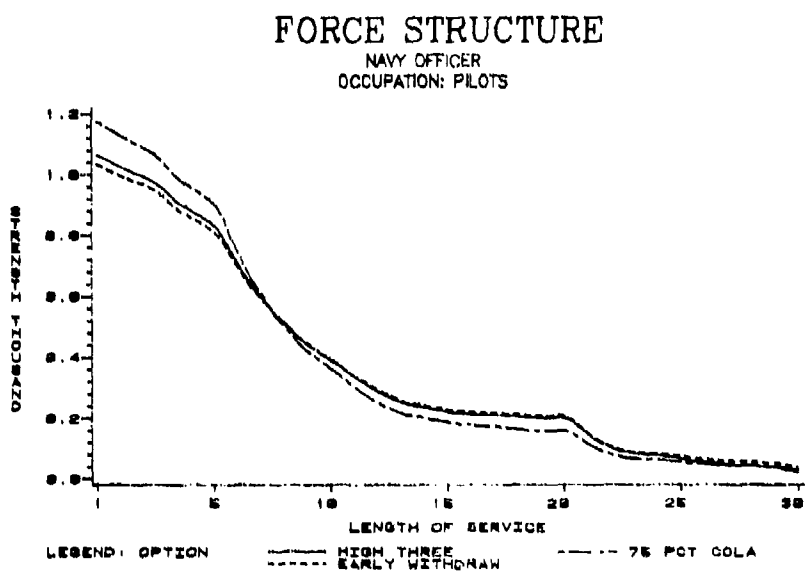


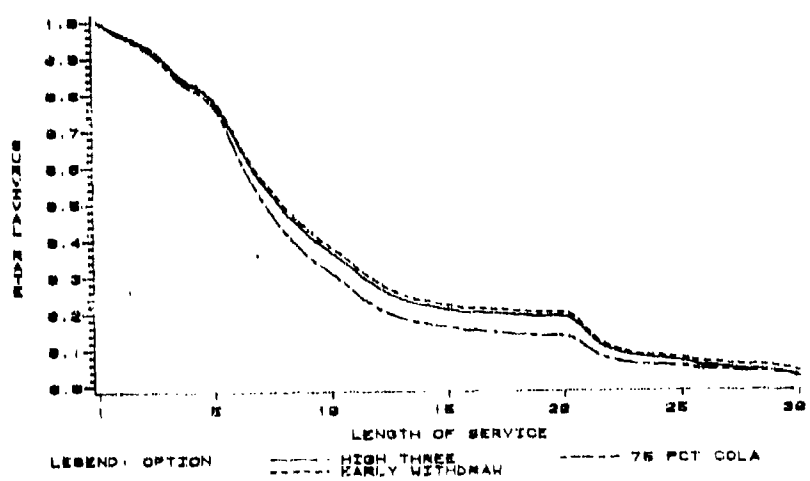
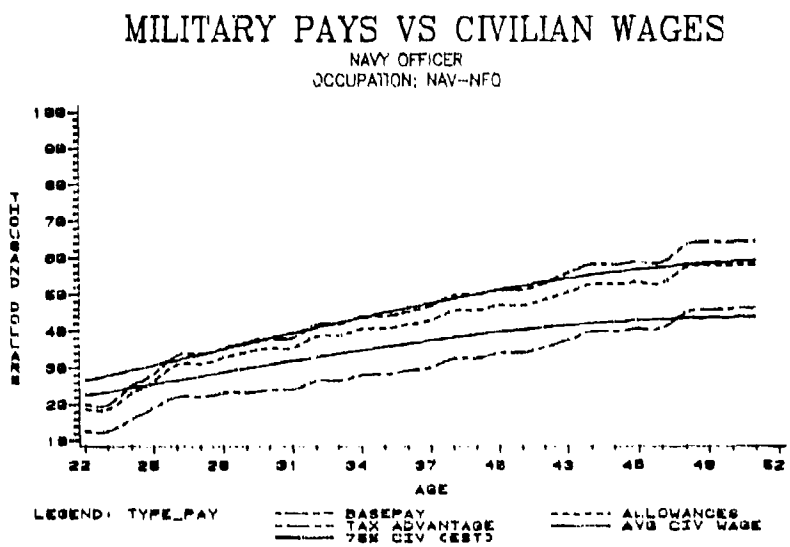
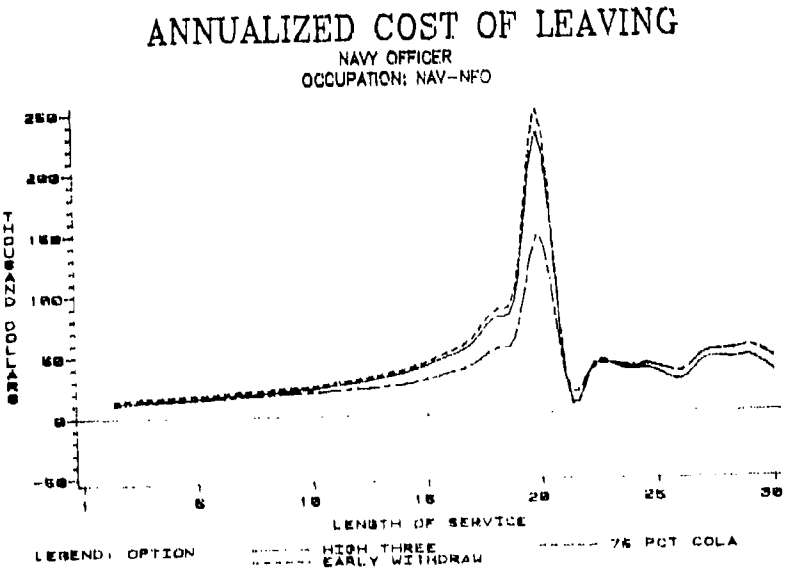


Figure N-II.B.8
Navy Navigators/NFO





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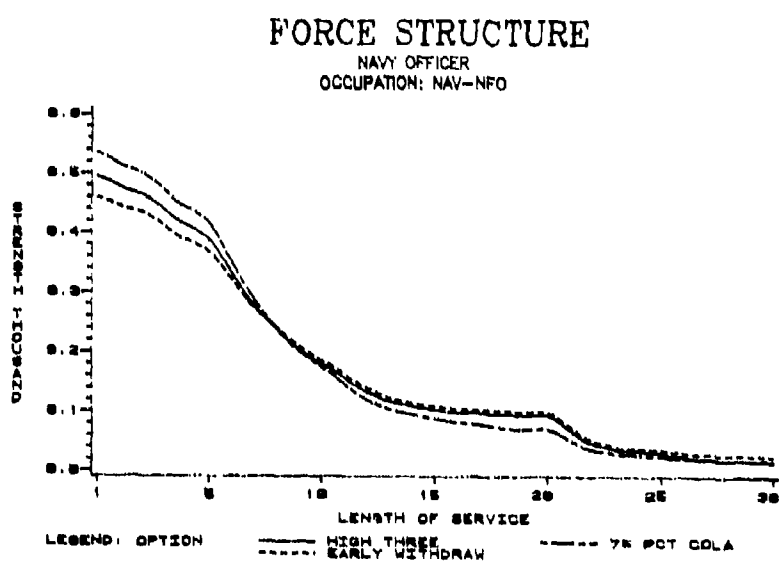


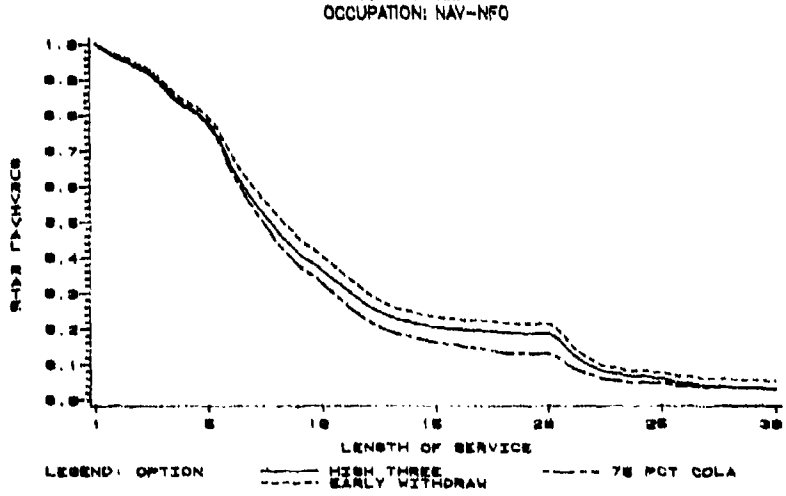
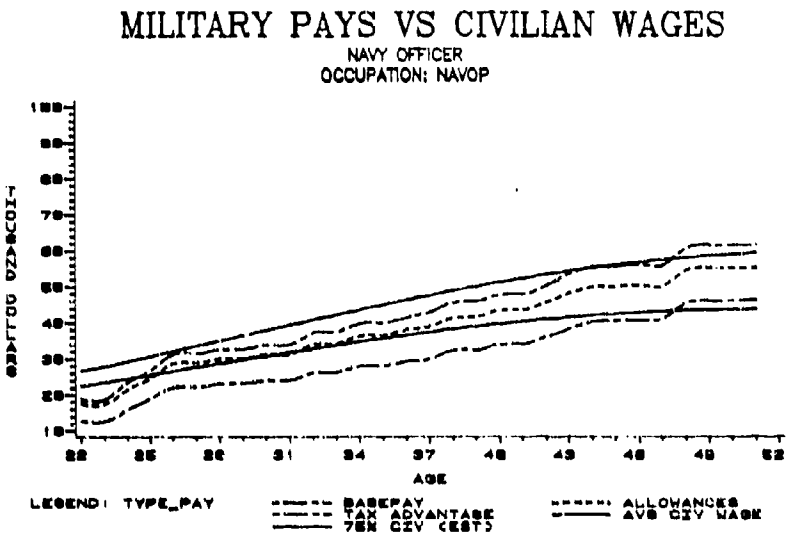
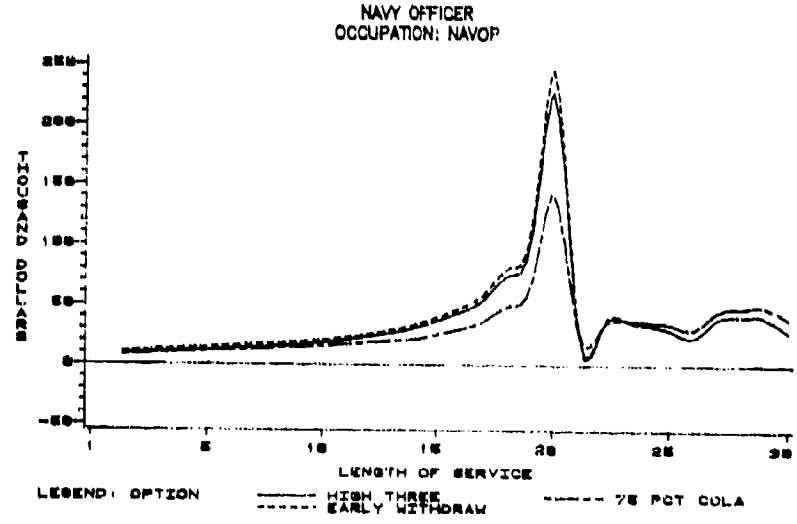


Figure N-II.B.9
Navy Surface and Sub-surface Warfare





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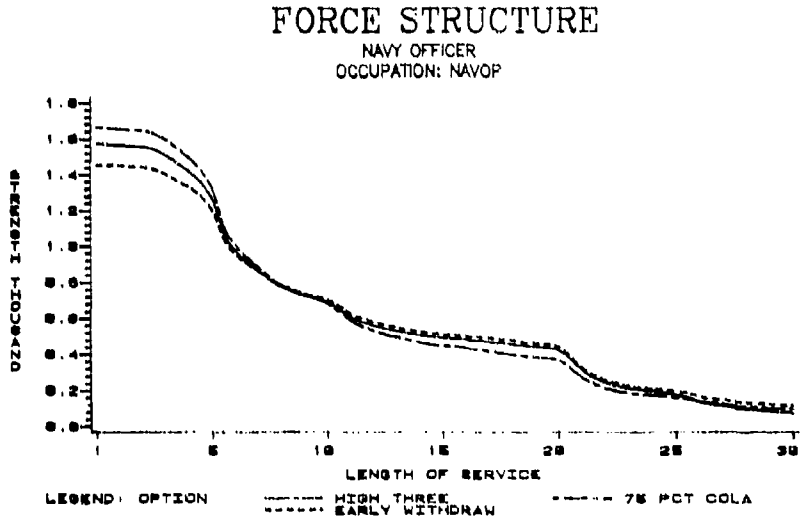


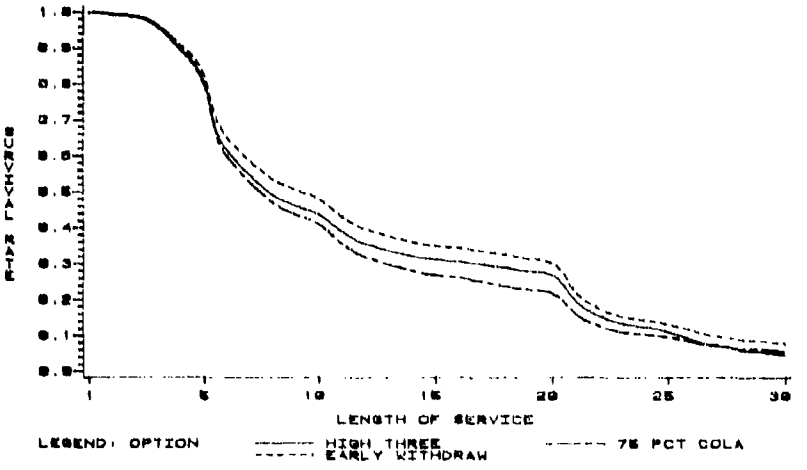
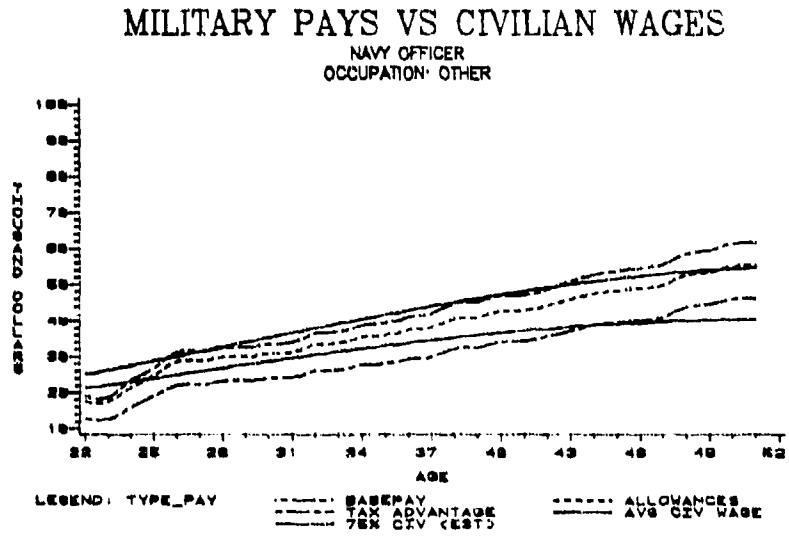
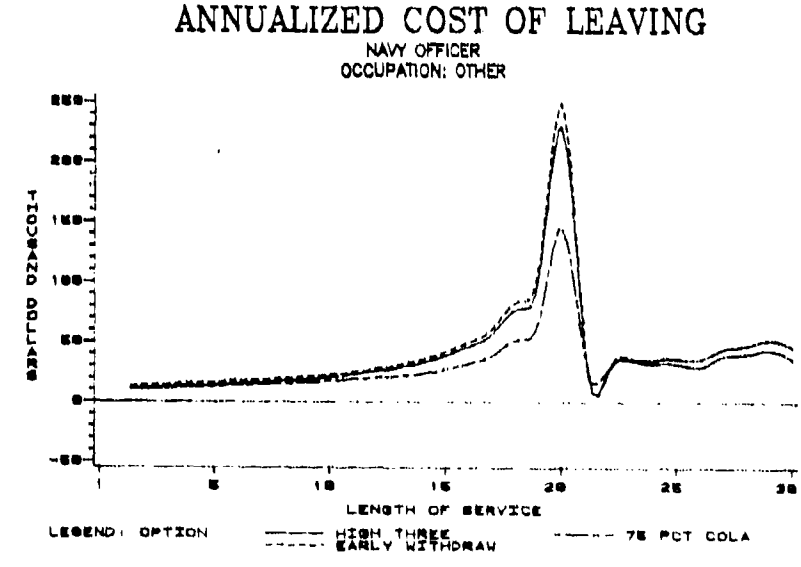


Figure N-II.B.10
Navy Other (Officers-except Warrants)





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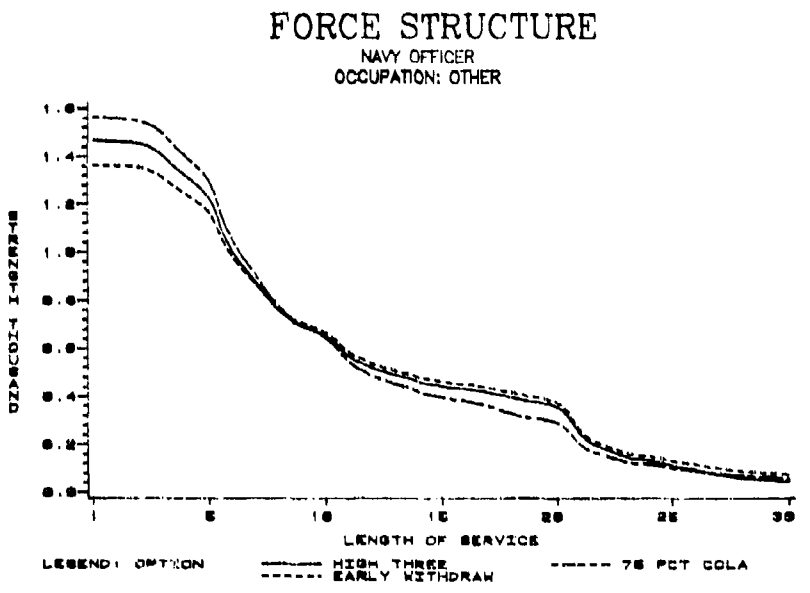


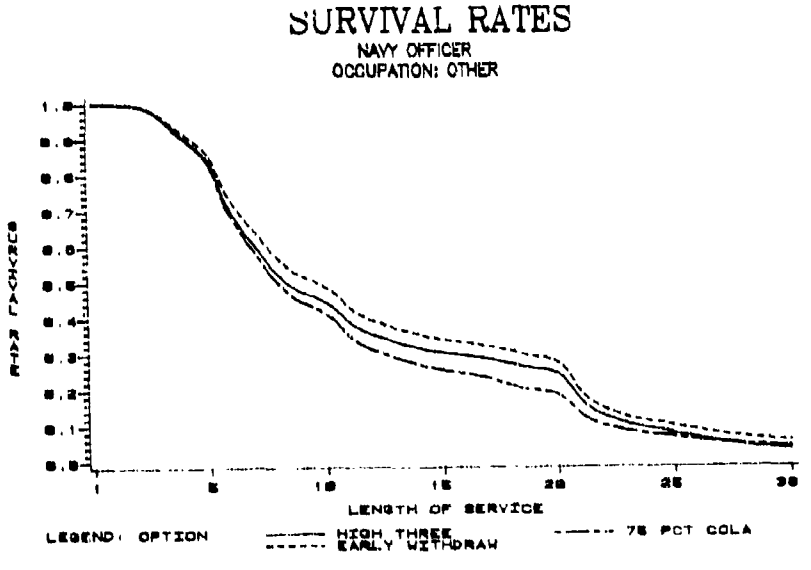
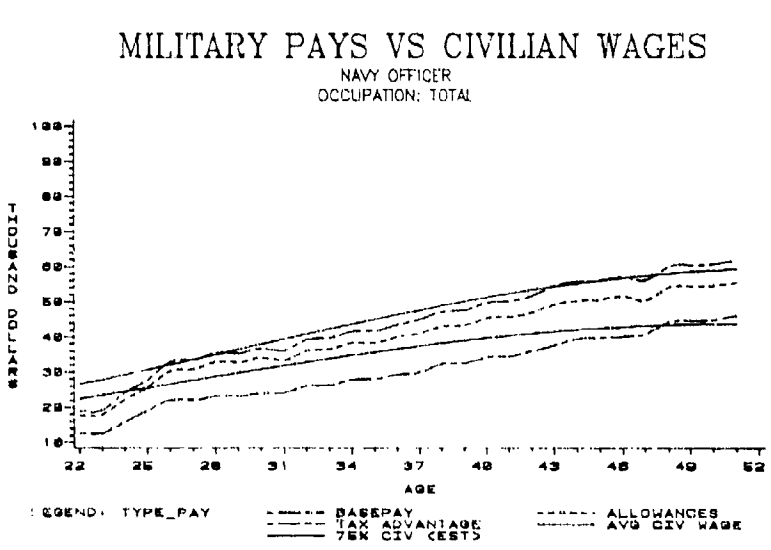


Figure N-II.B.11
Navy Total Officer



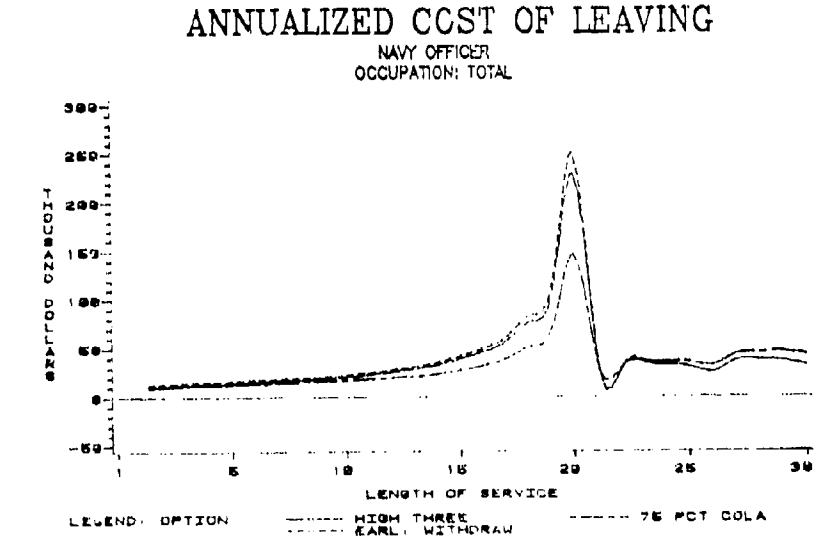
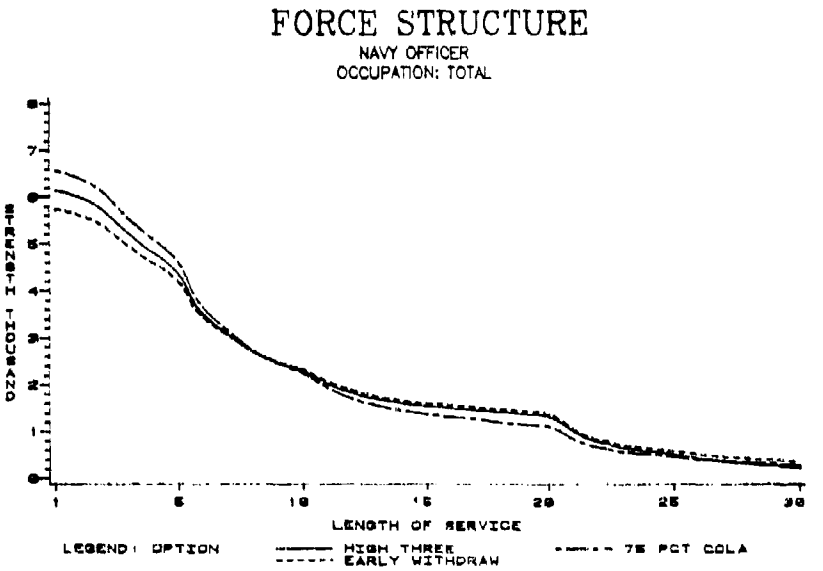
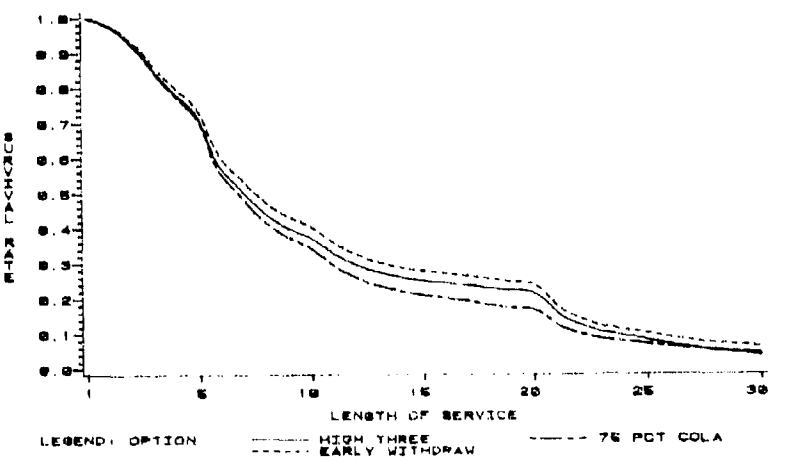


Figure N-II.B.11 (Cont)





C. USMC OFFICER OCCUPATIONAL GROUPS DEFINITIONS.

1. Occupation: Legal (Officer)
QRMC Category 4 DoD Occupation Code: 5F

This occupational category includes judge advocates and legal service/ administrative officers. The total for this category is 428 which is 2.5% of the current objective officer endstrength.

2. Occupation: Pilots (Officer)
QRMC Category 12 DoD Occupation Codes: 2A, 2B, 2C

This occupational category includes the following subcategories of Marines: fixed wing fighter and bomber pilots, other fixed wing pilots, and helicopter pilots. The strength for this category is 4509 which is 26.1% of the total current objective officer endstrength.

3. Occupation: Naval Flight Officer - NFO (Officer)
QRMC Category 13 DoD Occupation Code: 2D

This occupational category includes the following subcategories of Marines: naval flight officers, bombardier-navigators, electronics warfare officers, airborne reconnaissance officers, radar intercept officers, and electronics warfare officers. The total for this category is 445 which is 2.6% of the current objective officer endstrength.

4. Occupation: Combat Arms (Officer)
QRMC Category 17 DoD Occupation Code: 2E

This occupational category includes the following subcategories of Marines: infantry officers, field artillery officers, engineer officers, and tank/amphibian vehicle officers. The total for this category is 5,729 which is 33.1% of the current objective officer endstrength.

5. Occupation: Combat Support (Officer)
QRMC Category 18 DoD Occupation Code: 2G,3A-3C,4A-4F, 4J,4L-4N,5B,5D,7A,7D-7H,7N,8A-8G,9B

This occupational category includes the following subcategories of Marines: Naval gunfire officers, nuclear, biological and chemical warfare officers, air support/defense officers, air traffic control and radar controllers, regional officers, intelligence/interpretation/translator officers, counterintelligence officers, shore party and facilities officers, data systems officers, avionics officers, communications radar officers, air and ground ordnance and weapon systems officers, missile maintenance officers, aviation safety officers, engineer and vehicle maintenance officers, survey and mapping officers, nuclear and industrial engineers, weather service officers, historical officers, administrative officers, disbursing/financial accounting/auditing officers, training and audiovisual support officers, public affairs officers, military police and correction officers, band/drum and bugle corps officers, logistics officers officers, bulk fuel and ammunition officers, ground/ aviation

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support officers, traffic officers, ground/aviation supply officers, motor transport officers, contracting officers, food services officers, exchange officers, reproduction officers, and flight officer students. The total for this category is 3800 which is 22.0% of the current objective officer endstrength.

6. Occupation: Limited Duty Officer - LDO (Officer)
QRMC Category 20 DoD Occupational Code: 3A, 3C, 4B, 4C, 4E, 5B, 5F, 7A, 7D-7F, 7H, 7N, 8A-8C, 8E, 8F

This occupational category includes the following subcategories of Marines: intelligence and counterintelligence officers, avionics officers, electronics maintenance officers, ordnance officers, vehicle maintenance officers, weapons repair officers, weather service officers, legal administrative officers, postal and administrative officers, accounting and auditing officers, data system officers, training and audiovisual support officers, band officers, correction officers, embarkation officers, ground and aviation support officers, traffic management officers, food service officers, and exchange officers. The total for this category is 1102 which is 6.3% of the current objective officer endstrength.

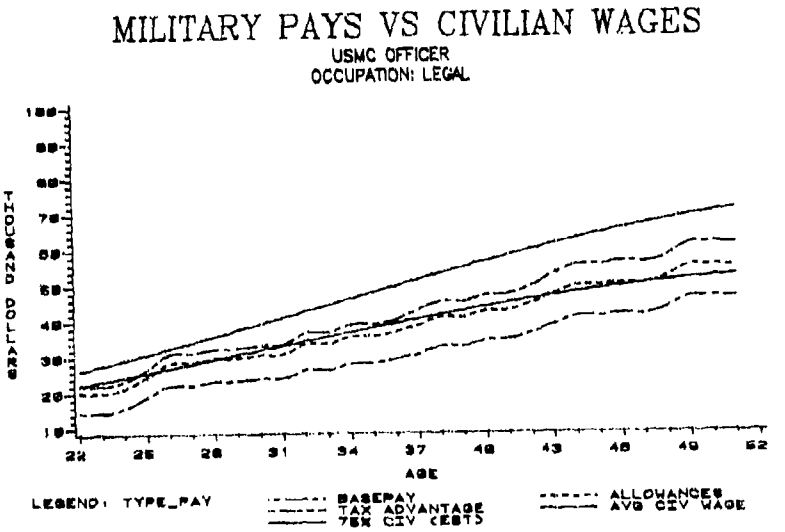
7. Occupation: Warrant Officers (Officer)
QRMC Category 51 DoD Occupation Codes: 2G, 3A-3C, 4A-4F, 4L, 4M, 5B, 5F, 7A, 7D-7H, 7N, 8A-8C, 8E-8G

This occupational category includes the following subcategories of Marines: air control officers, nuclear, biological and chemical defense officers, intelligence and counterintelligence officers, construction officers, aviation missile and ground maintenance officers, data systems officers, ordnance and weapons officers, surveying and meteorological officers, track vehicle maintenance officers, engineer equipment officers, legal administrators, postal and administrative officers, disbursing/accounting/auditing officers, data systems officers, training and audiovisual support officers, band officers, correction and criminal investigative officers, public affairs officers, embarkation officers, ground and aviation supply officers, traffic management officers, and food service officers. The total for this category is 1290 which is 7.4% of the current objective officer endstrength.

List of Figures (USMC Officer)

N-II.C. 1. USMC Legal
N-II.C. 2. USMC Pilots
N-II.C. 3. USMC Naval Flight Officer/NFO
N-II.C. 4. USMC Combat Arms
N-II.C. 5. USMC Combat Support
N-II.C. 6. USMC Other Officers
N-II.C. 7. USMC Total Officer

Figure N-II.C.1
USMC Legal



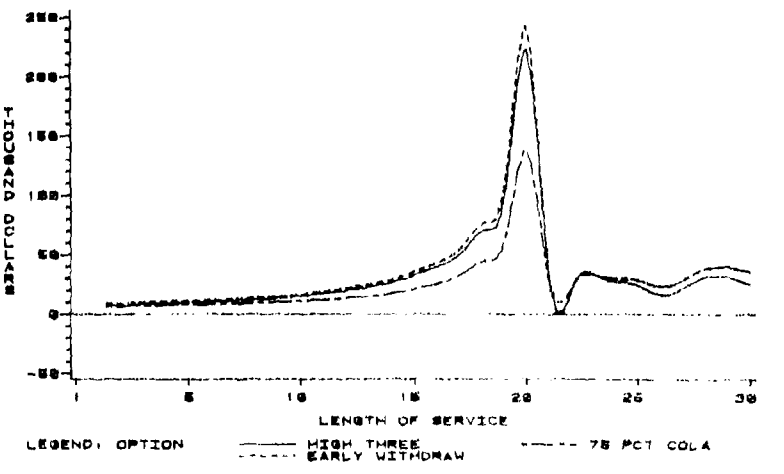
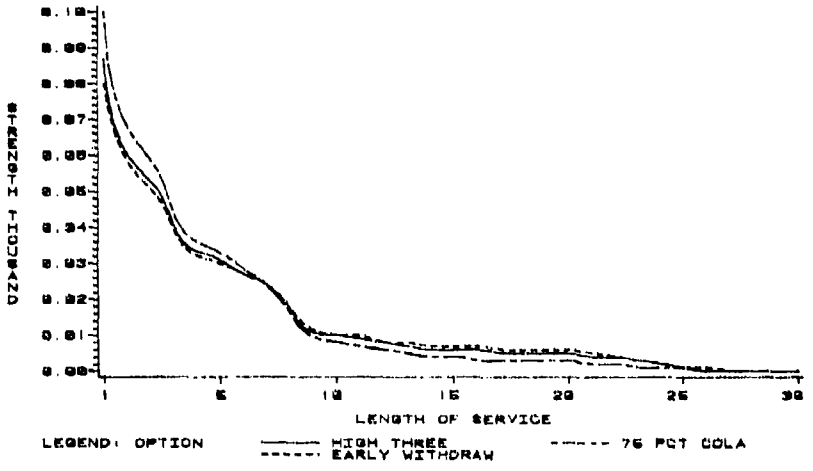


Figure N-II.C.1 (Cont)

FORCE STRUCTURE

USMC OFFICER
OCCUPATION: LEGAL



SURVIVAL RATES

USMC OFFICER
OCCUPATION: LEGAL

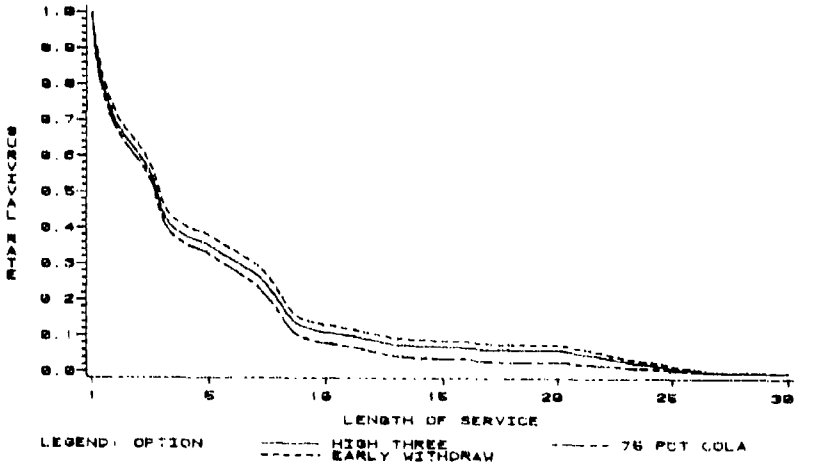
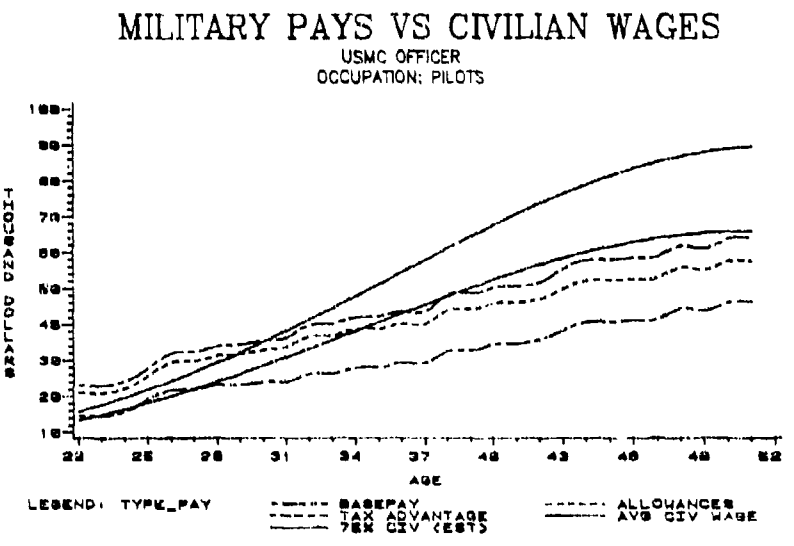


Figure N-II.C.2
USMC Pilots



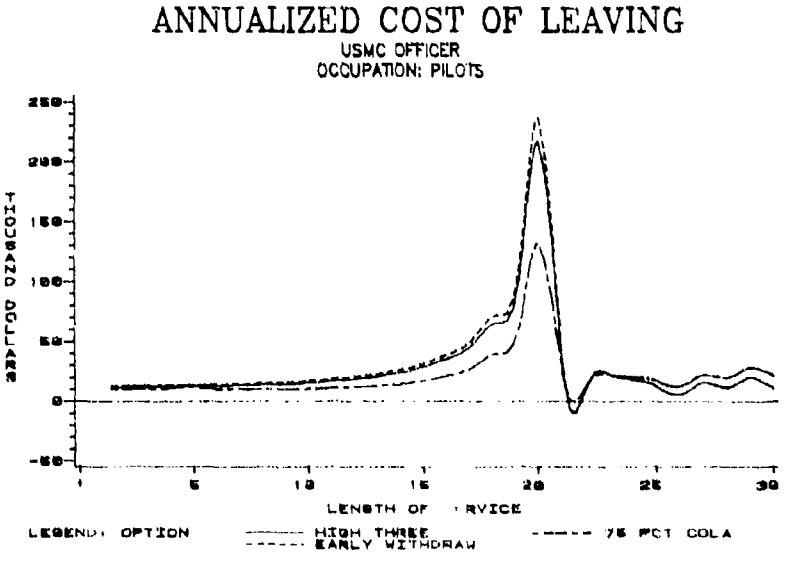
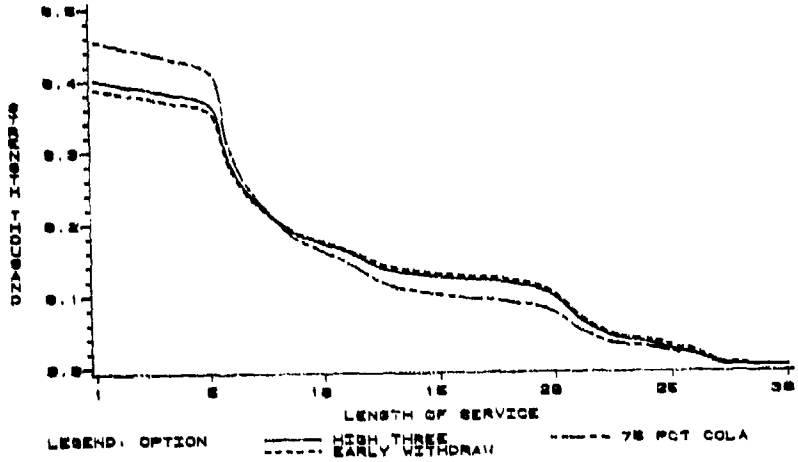


Figure N-II.C.2 (Cont)

FORCE STRUCTURE

USMC OFFICER
OCCUPATION: PILOTS



SURVIVAL RATES

USMC OFFICER
OCCUPATION: PILOTS

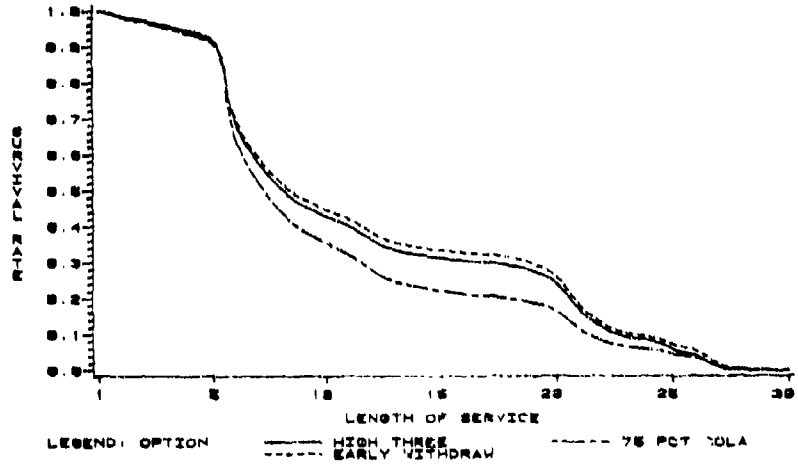
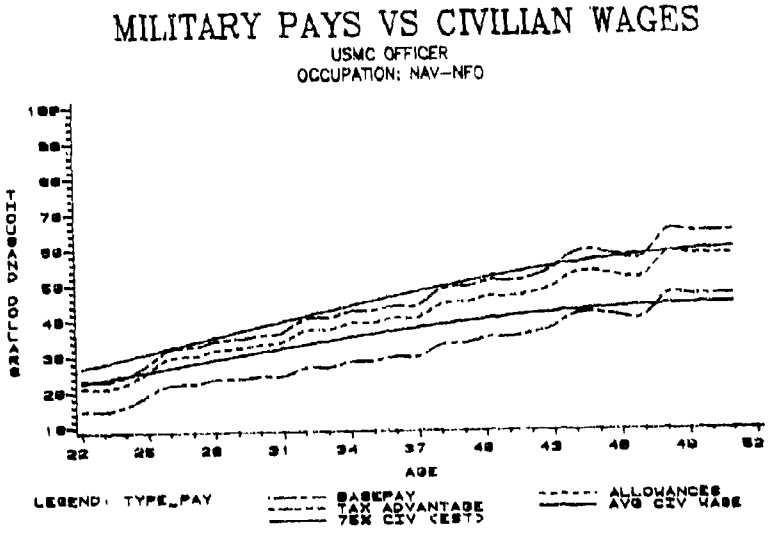
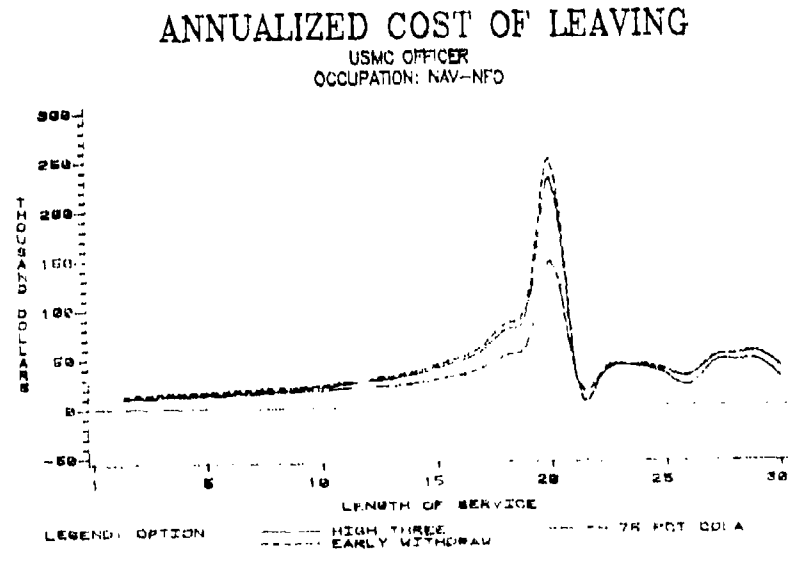


Figure N-II.C.3
USMC Naval Flight Officer/NFO





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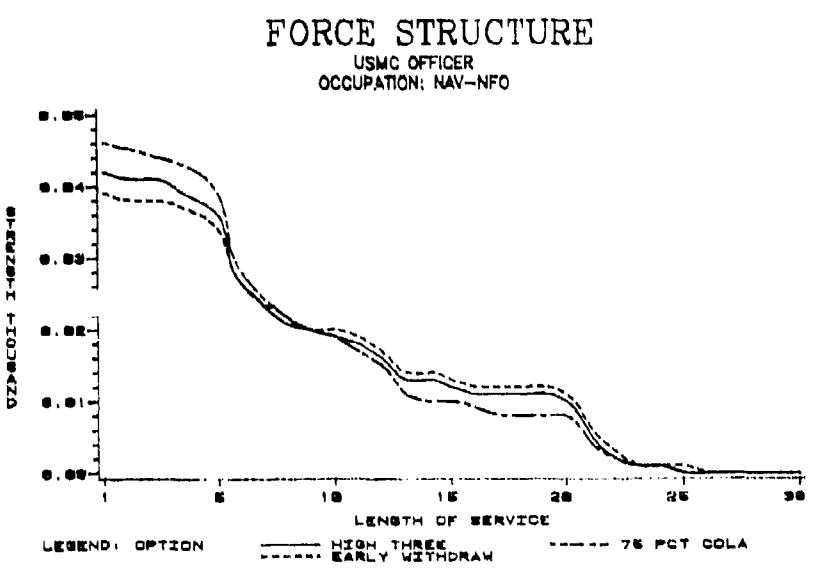


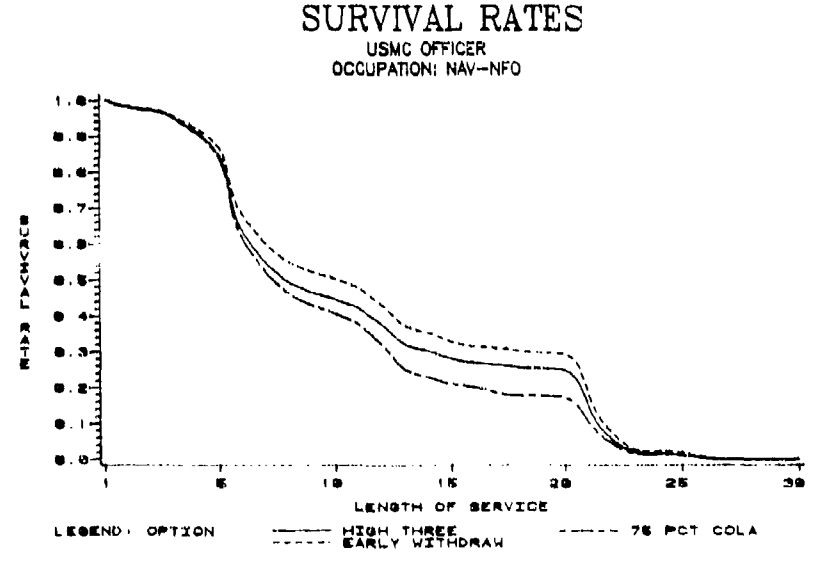
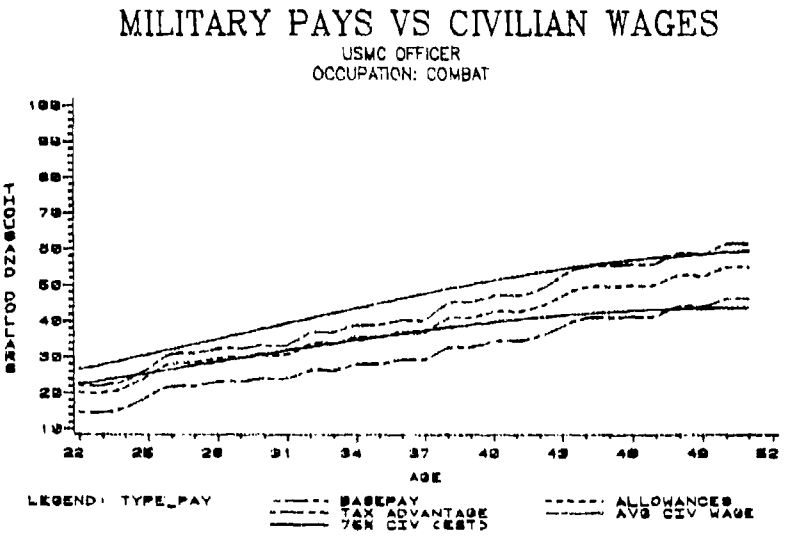


Figure N-II.C.4
USMC Combat Arms



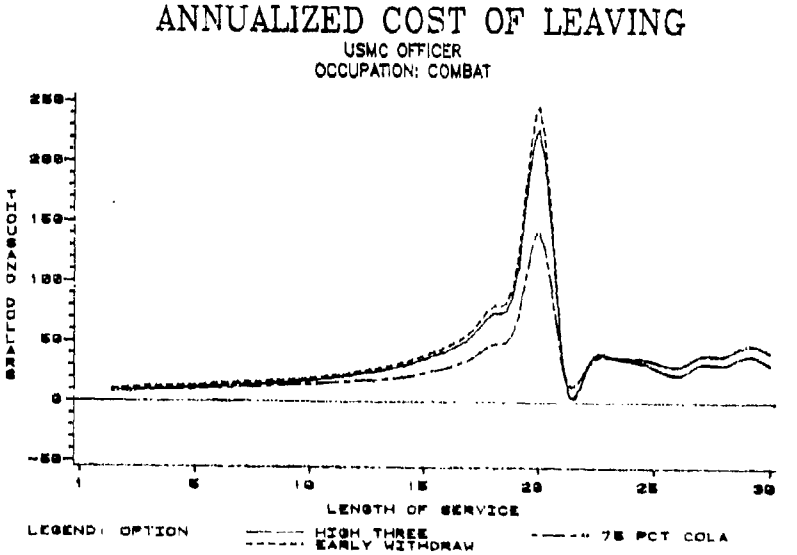
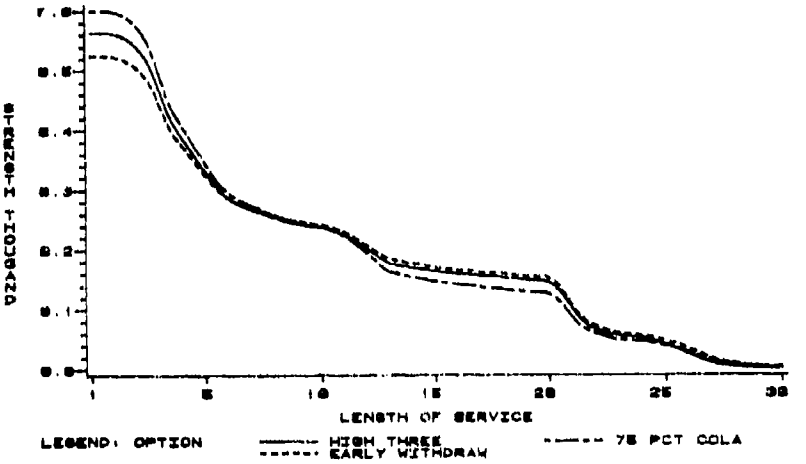


Figure N-II.C.4 (Cont)

FORCE STRUCTURE

USMC OFFICER
OCCUPATION: COMBAT



SURVIVAL RATES

USMC OFFICER
OCCUPATION: COMBAT

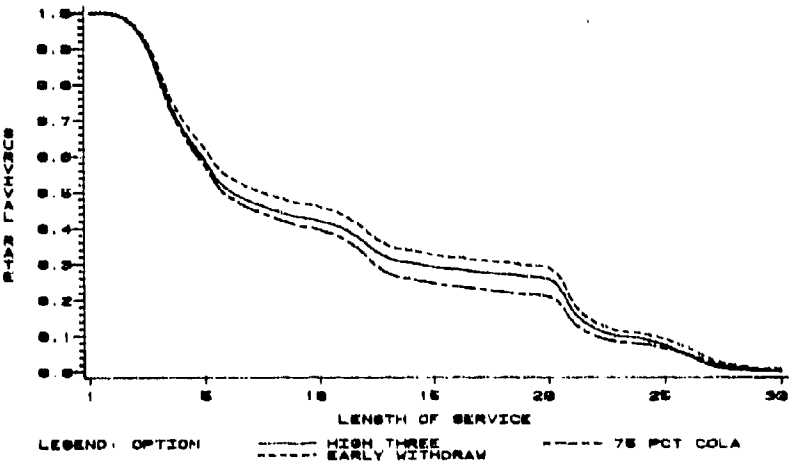
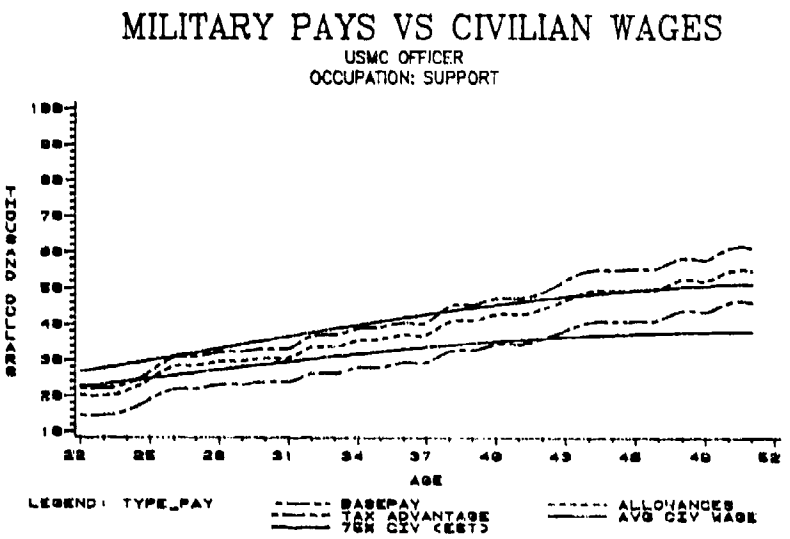
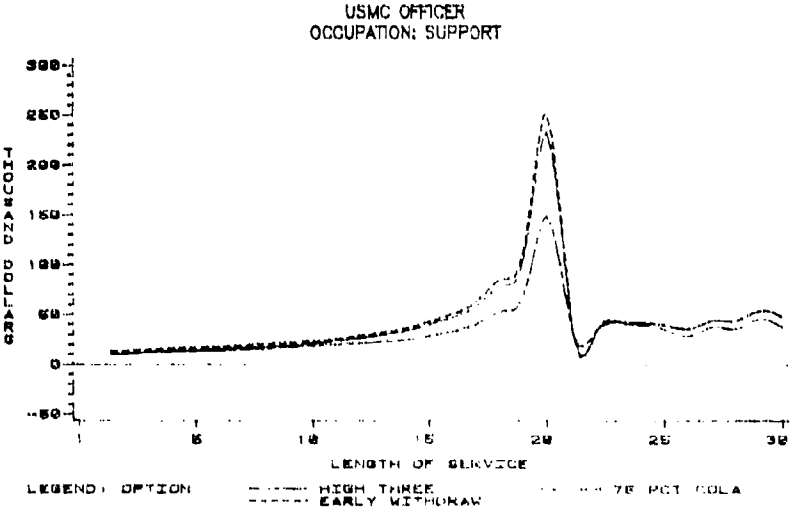
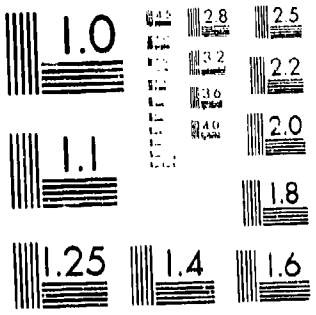


Figure N-II.C.5
USMC Combat Support





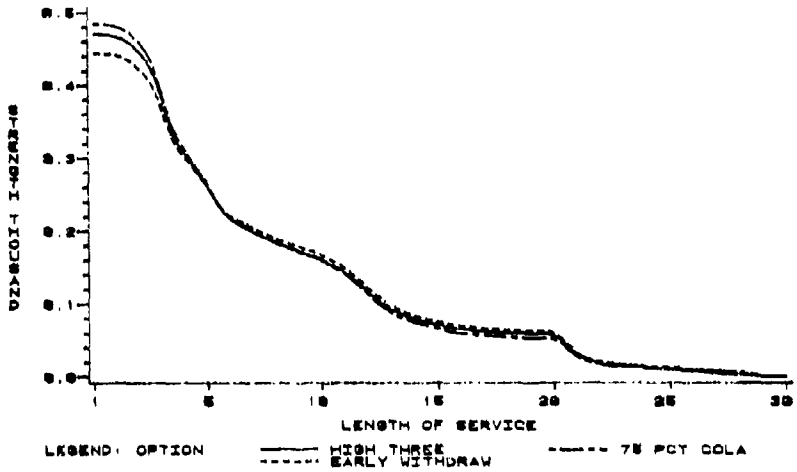


MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

Figure N-II.C.5 (Cont)

FORCE STRUCTURE

USMC OFFICER
OCCUPATION: SUPPORT



SURVIVAL RATES

USMC OFFICER
OCCUPATION: SUPPORT

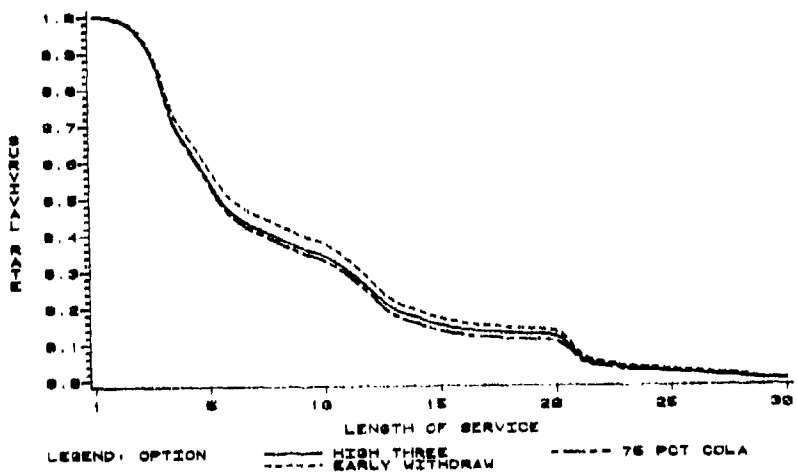
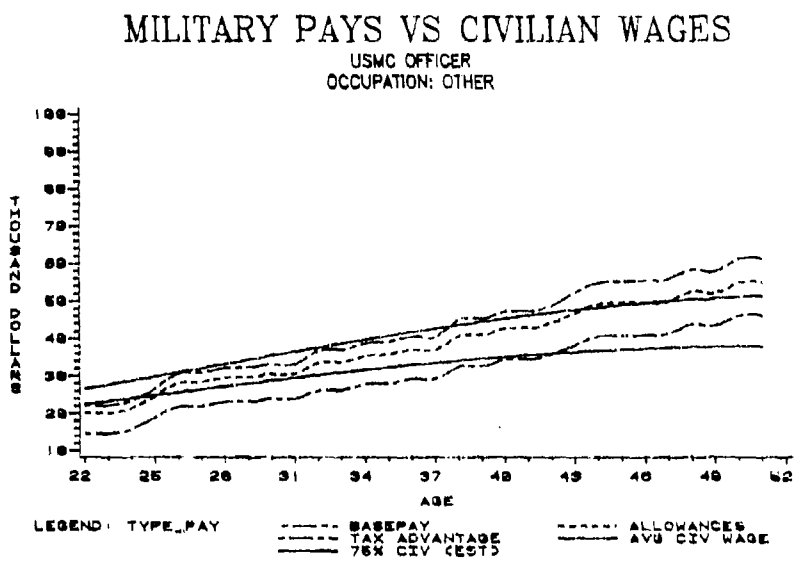


Figure N-II.C.6
USMC Other Officers



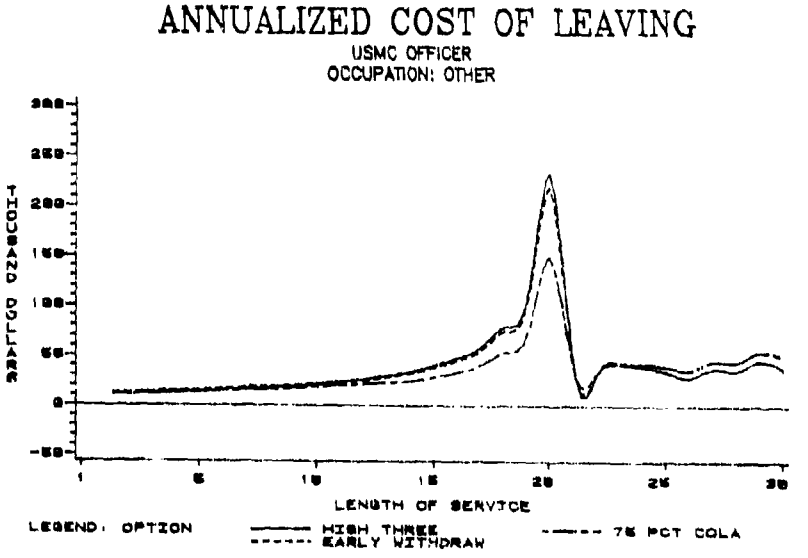
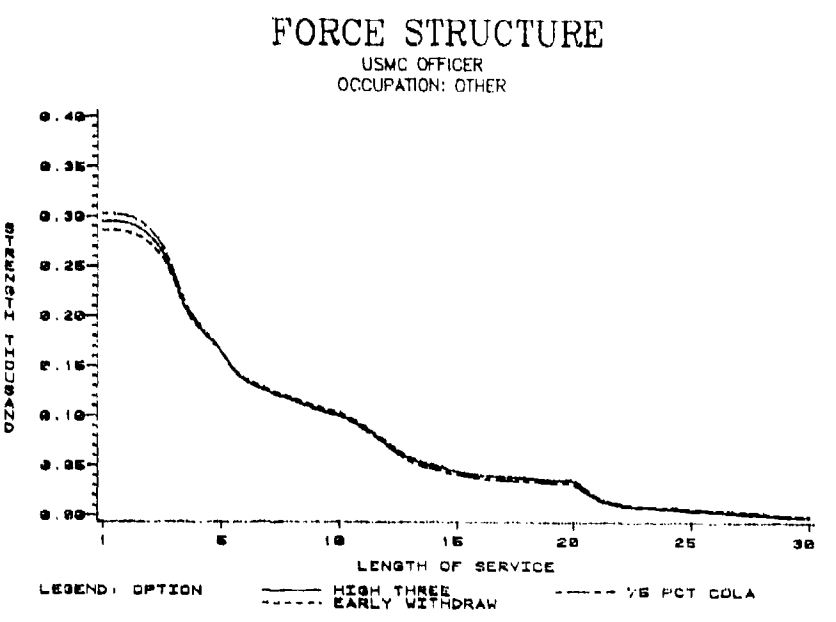


Figure N-II.C.6 (Cont)



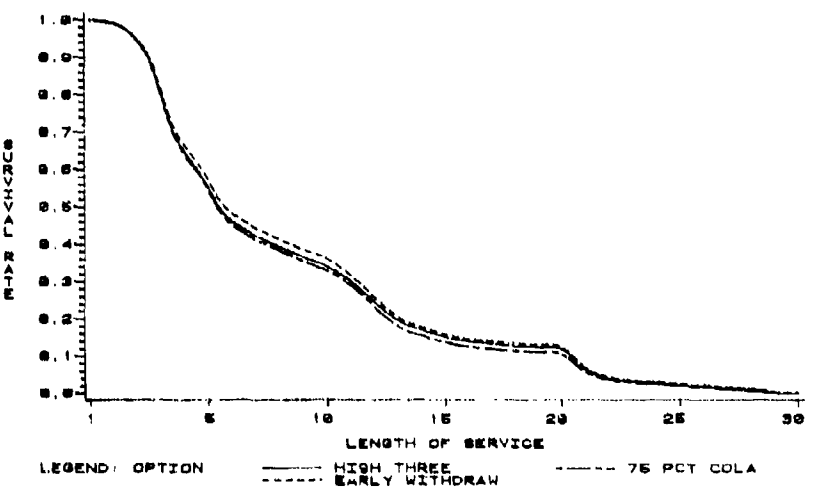
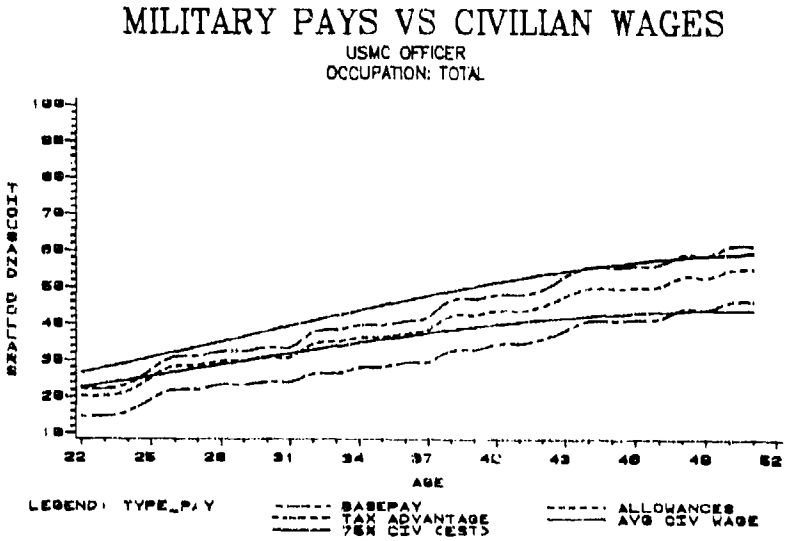
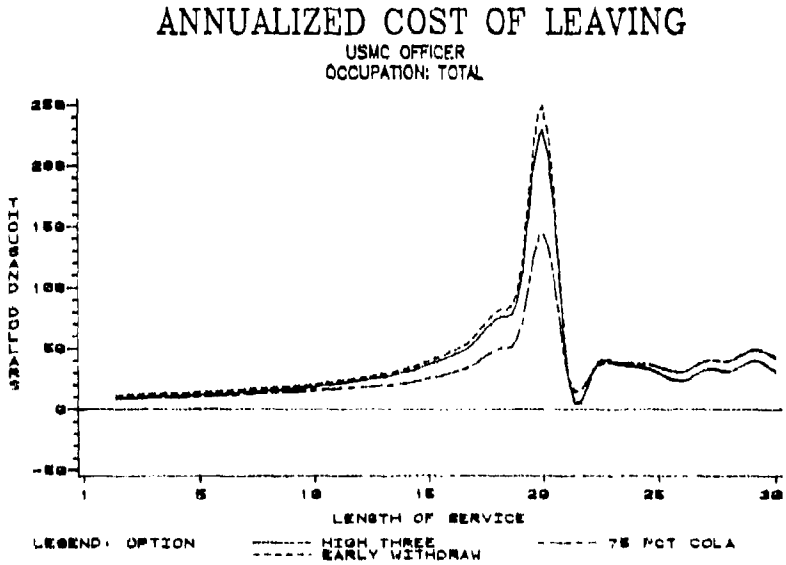


Figure N-II.C.7
USMC Total Officer





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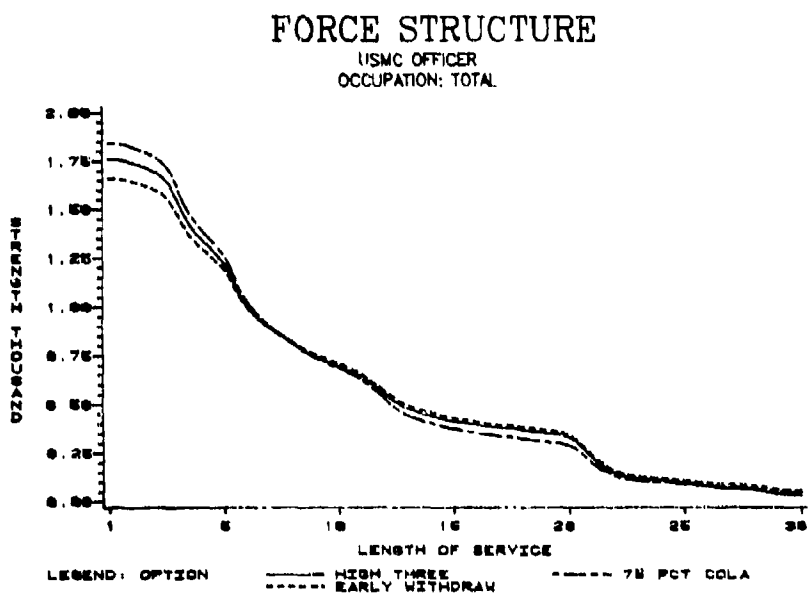

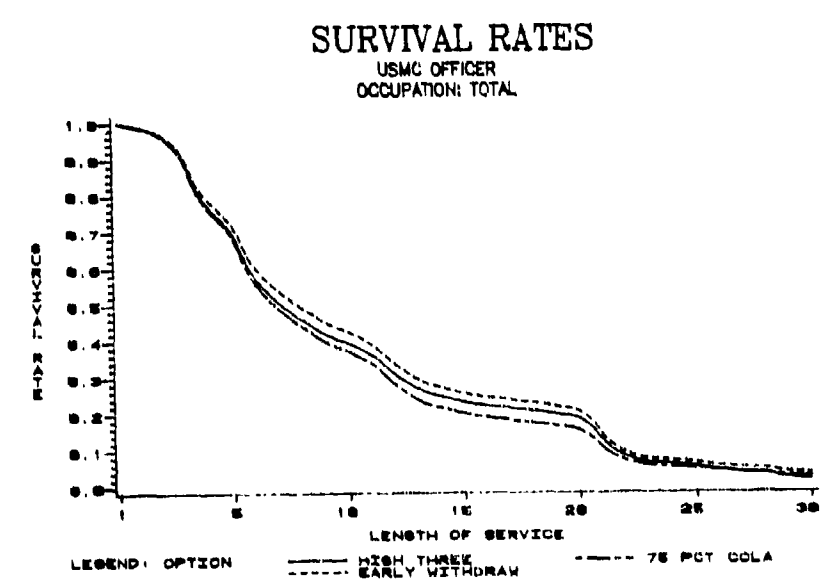

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D. USAF OFFICER OCCUPATIONAL DEFINITIONS.

1. Occupation: Legal (Officer)
QRMC Category 4 DOD Occupation Code: 5F

This occupational category includes lawyers and judge advocates. The current objective endstrength for this category is 1227 which is 1% of the total current objective officer endstrength.

2. Occupation: Chaplain (Officer)
QRMC Category 5 DOD Occupation Code: 5G

This category includes chaplains. The current objective endstrength for this category is 852 which is 1% of the total current objective officer endstrength.

3. Occupation: Physician (Officer)
QRMC Category 6 DOD Occupation Code: 6A

This occupational category includes physicians from the following specialties: aerospace medicine, allergy, anesthesiology, cardiology, dermatology, gastroenterlogy, general medicine, internal medicine, neurology, obstetrics and gynecology, opthalmology, otolaryngology, pathology, pediatrics, physical medicine, proctology, psychiatry, pulmonary disease, radiology, nuclear medicine, general surgery, neurological surgery, orthopedic surgery, plastic surgery, thoracic surgery, and urology. The current objective endstrength for this category is 3678 which is 4% of the total current objective officer endstrength.

4. Occupation: Dentist (Officer)
QRMC Category 7 DOD Occupation Code: 6C

This occupational category includes dentists. The current objective endstrength for this category is 1585 which is 2% of the total current objective officer endstrength.

5. Occupation: Nurse (Officer)
QRMC Category 8 DOD Occupation Code: 6E, F

This occupational category includes general nurses and nursing specialists. The current objective endstrength for this category is 4448 which is 4% of the total current objective officer endstrength.

6. Occupation: Medical Service (Officer)
QRMC Category 10 DOD Occupation Code: 7M

This occupational category includes health services administrators and remaining veterinarians. The current objective endstrength for this category is 1114 which is 1% of the total current objective officer endstrength.

7. Occupation: Bio-Medical Service (Officer)
QRMC Category 11 DOD Occupation Code: 6H, 5C, E, H

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This occupational category includes officers from medical fields not already covered, biological scientists, psychologists, and clinical social workers. The current objective endstrength for this category is 2236 which is 2% of the total current objective officer strength.

8. Occupation: Pilot (Officer)
QRMC Category 12 DOD Occupation Code: 2A-C

This occupational category inlcudes the following subcategories: fixed-wing fighter and bomber pilots, other fixed-wing pilots, and helicopter pilots. The current objective endstrength for this category is 27798 which is 27% of the total current objective officer endstrength.

9. Occupation: Navigator (Officer)
QRMC Category 13 DOD Occupation Code: 20

This occupational category includes aircrew members who are not pilots. The current objective endstrength for this category is 12218 which is 12% of the total current objective officer endstrength.

10. Occupation: Technical (Officer)
QRMC Category 29, 30 DOD Occupation Code: 4A-F, J, M, N; 5A, B, D, L, M

This occupational category includes the following subcategories: civil and bioenvironmental engineers, electronic engineers, communications-electronics officers, aviation maintenance officers and engineers from related fields, ordnance officers, missile maintenance officers, disaster preparedness officers, cartographic officers, acquisition and project development officers, physical scientists, meteorologists, social scientists, research and development coordinators, and social action officers. The current objective endstrength for this category is 15687 which is 16% of the total current objective officer endstrength.

11. Occupation: Support (Officer)
QRMC Category: 14-16,25,35 DOD Occupation Code: 2F,2G;3A-C;8A-G;7A-H,N

This occupational category includes the following subcategories: missile officers, operations staff officers, intelligence officers, signals intelligence officers, special investigations officers, logistics officers supply officers transportation officers, acquisition and production officers, food service officers, services officers, general administrators, training administrators, manpower and personnel officers, accounting and finance officers, data processing officers, audiovisual officers, public affairs officers, security police officers, and band officers. The current objective endstrength for this category is 30624 which is 30% of the total current objective officer endstrength. This occupational category includes health services administrators and remaining veterinarians. The current objective endstrength for this category is 1114 which is 1% of the total current objective officer endstrength.

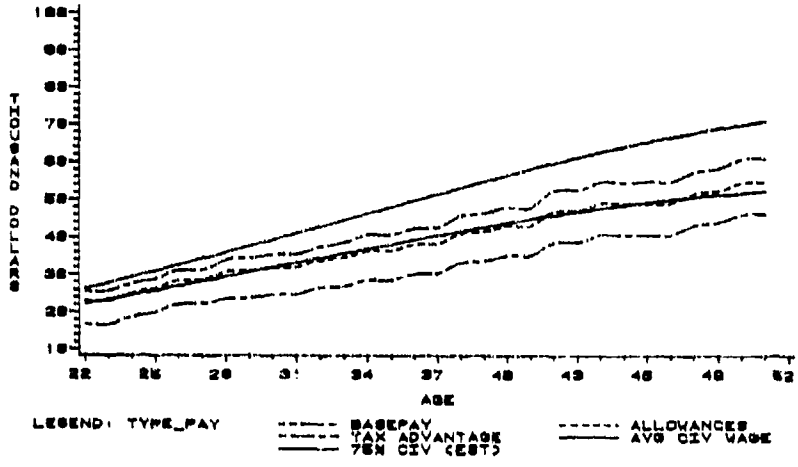
List of Figures (USAF Officer)

N-II.D.	1.	USAF Legal
N-II.D.	2.	USAF Chaplain
N-II.D.	3.	USAF Physician
N-II.D.	4.	USAF Dentist
N-II.D.	5.	USAF Nurse
N-II.D.	6.	USAF Medical Service
N-II.D.	7.	USAF Bio-Medical Service
N-II.D.	8.	USAF Pilot
N-II.D.	9.	USAF Navigator
N-II.D.	10.	USAF Technical
N-II.D.	11.	USAF Support
N-II.D.	12.	USAF Total Officer

Figure N-II.D.1
USAF Legal

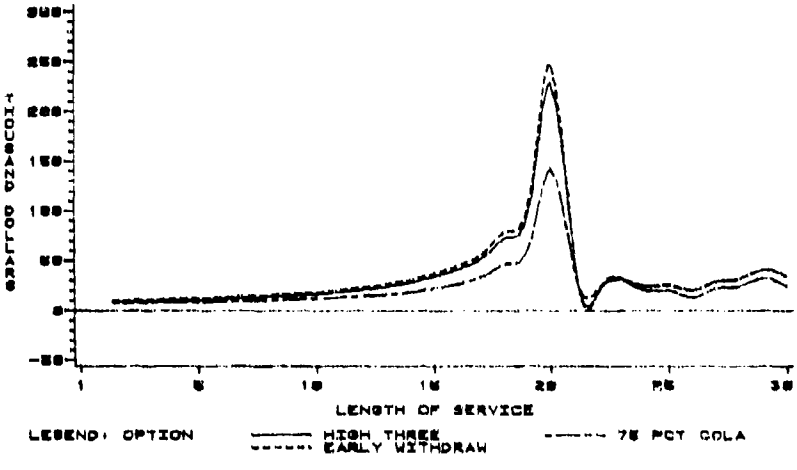
MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: LEGAL



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: LEGAL



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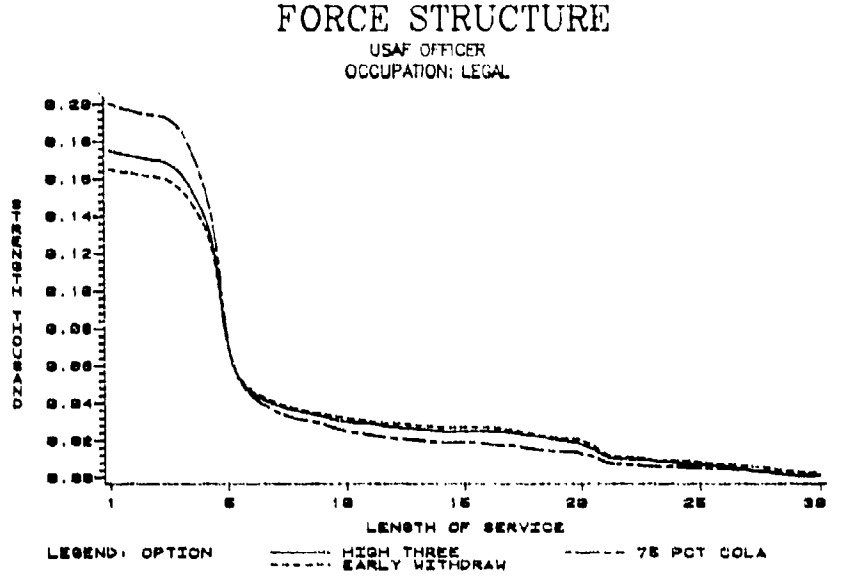


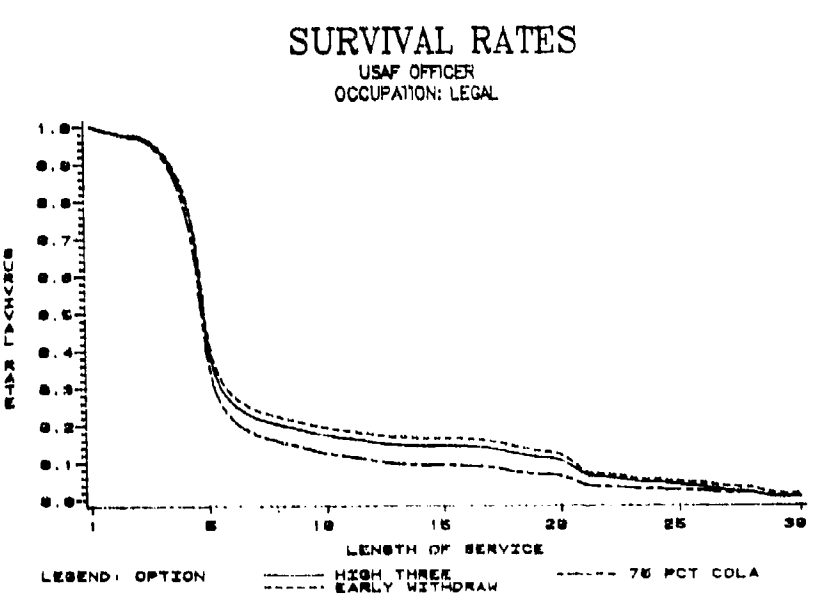
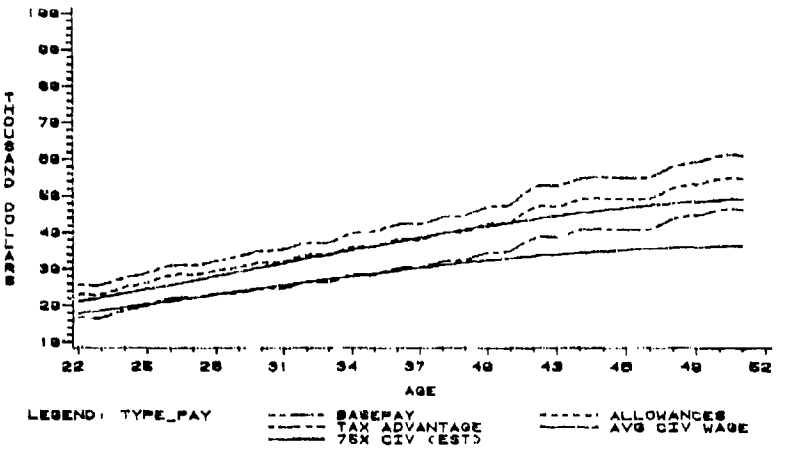


Figure N-II.D.2
USAF Chaplain

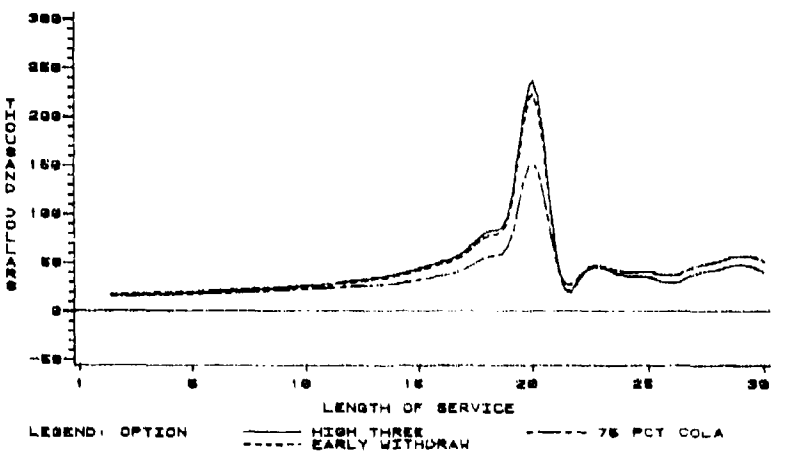
MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: CHAPLAIN



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: CHAPLAIN



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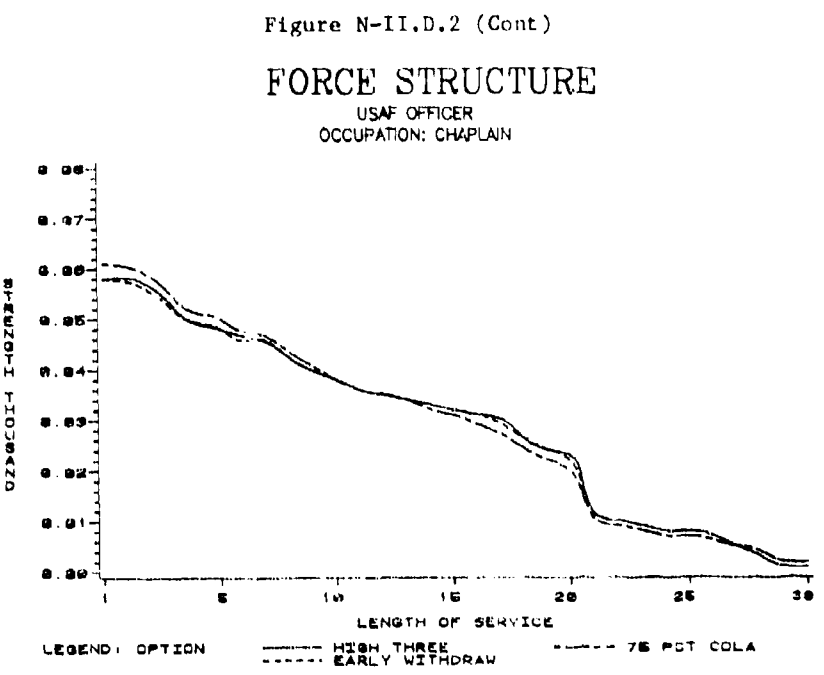


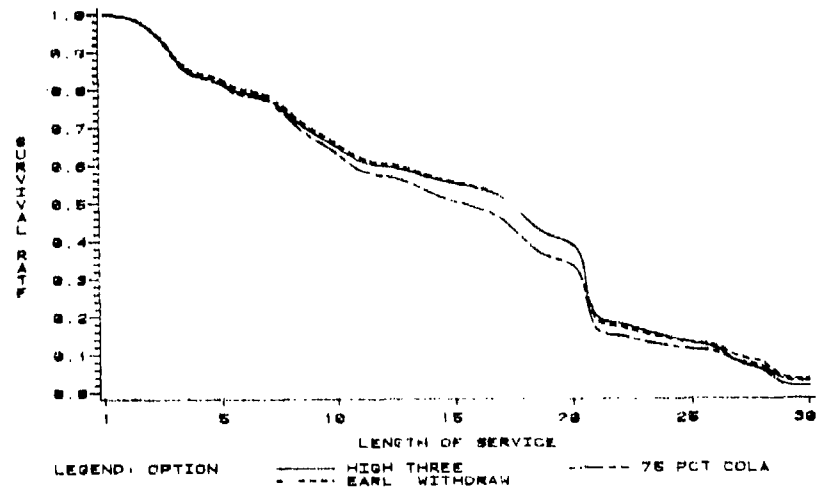
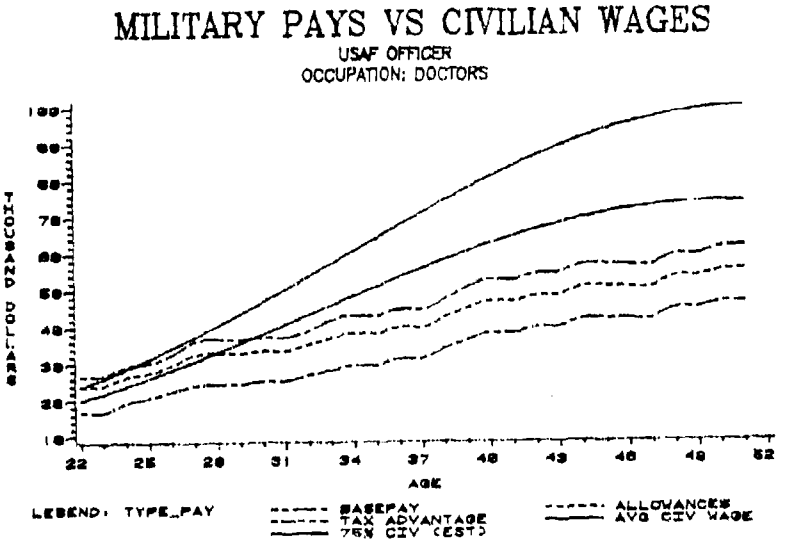
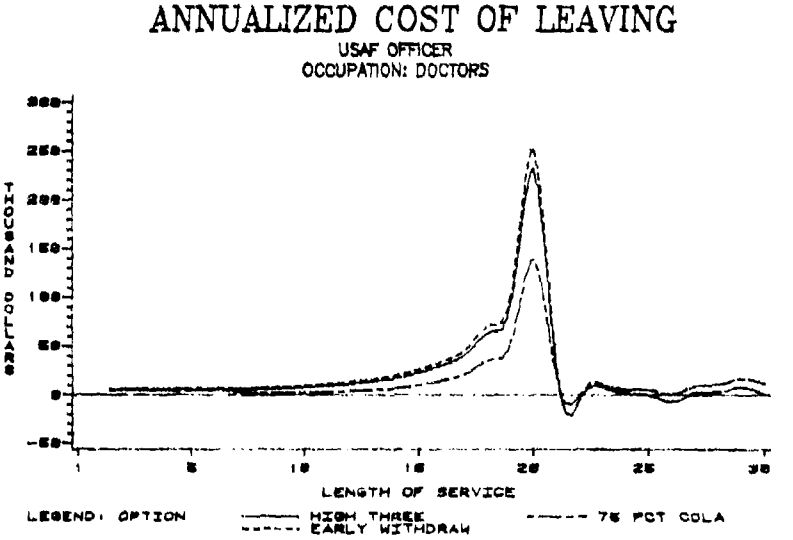


Figure N-II.D.3
USAF Physician





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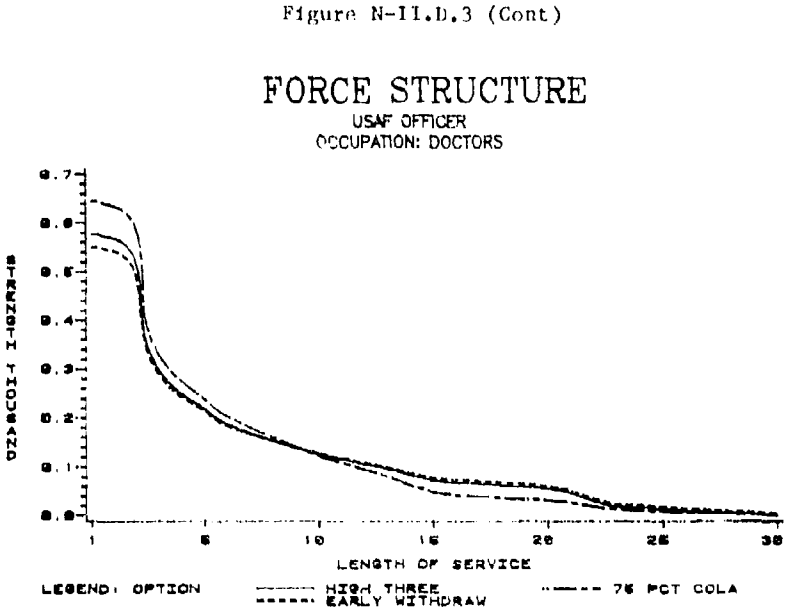


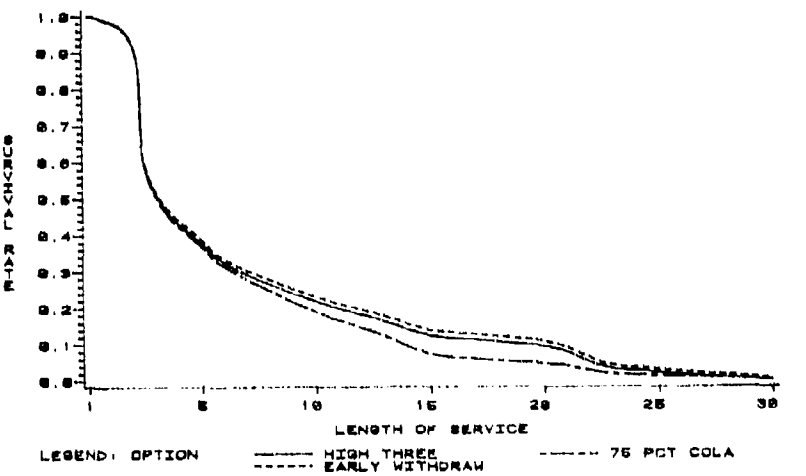
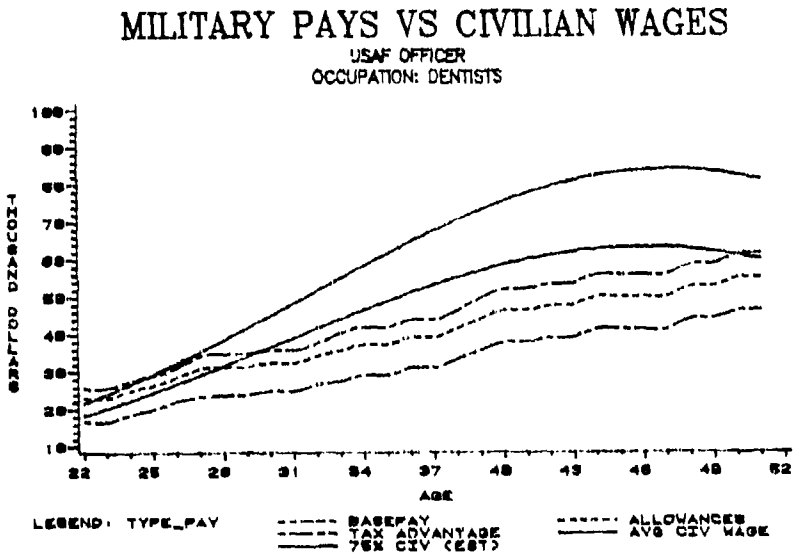


Figure N-II.D.4
USAF Dentist



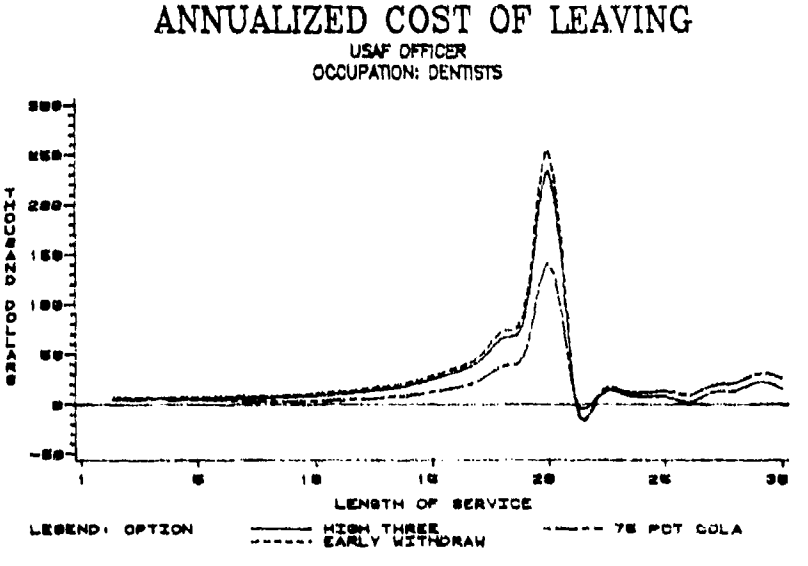
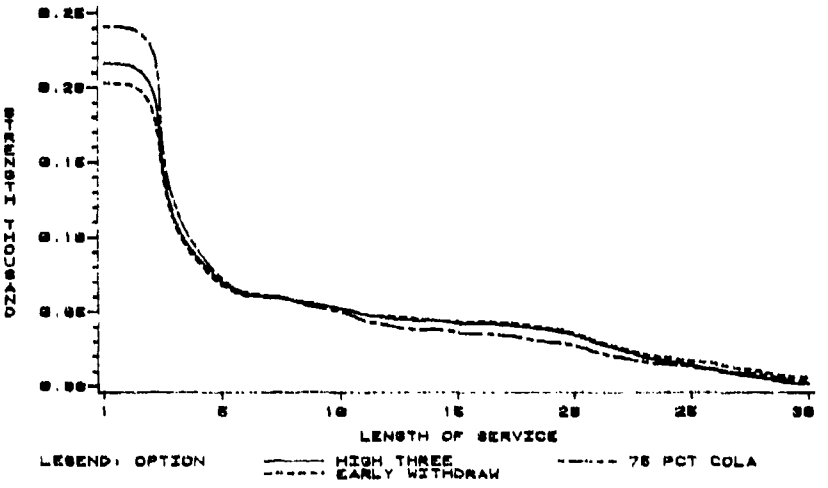


Figure N-II.D.4 (Cont)

FORCE STRUCTURE

USAF OFFICER
OCCUPATION: DENTISTS



SURVIVAL RATES

USAF OFFICER
OCCUPATION: DENTISTS

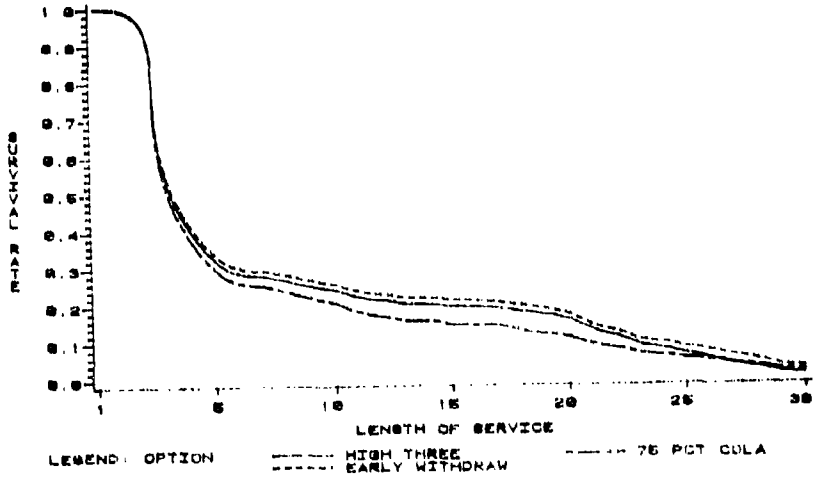
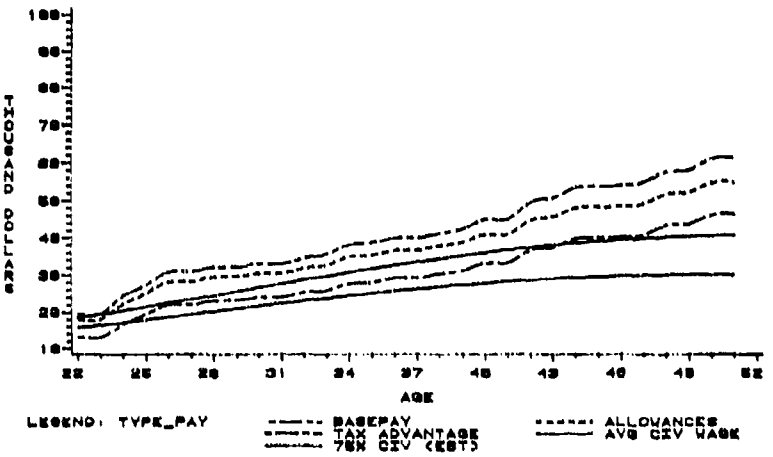


Figure N-II.D.5
USAF Nurse

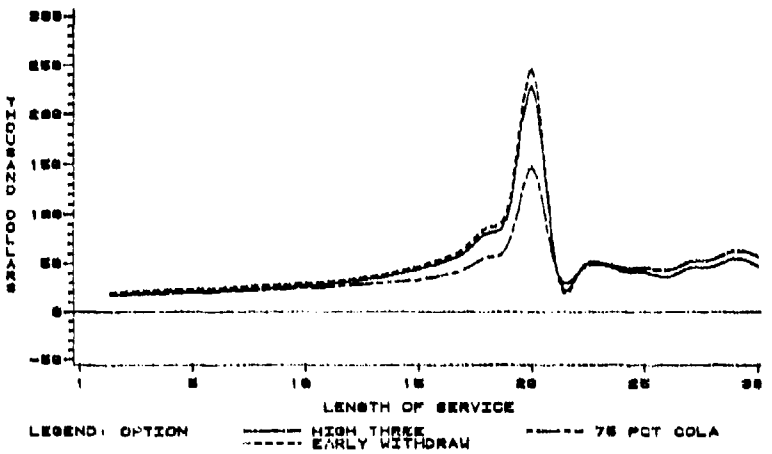
MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: NURSES



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: NURSES



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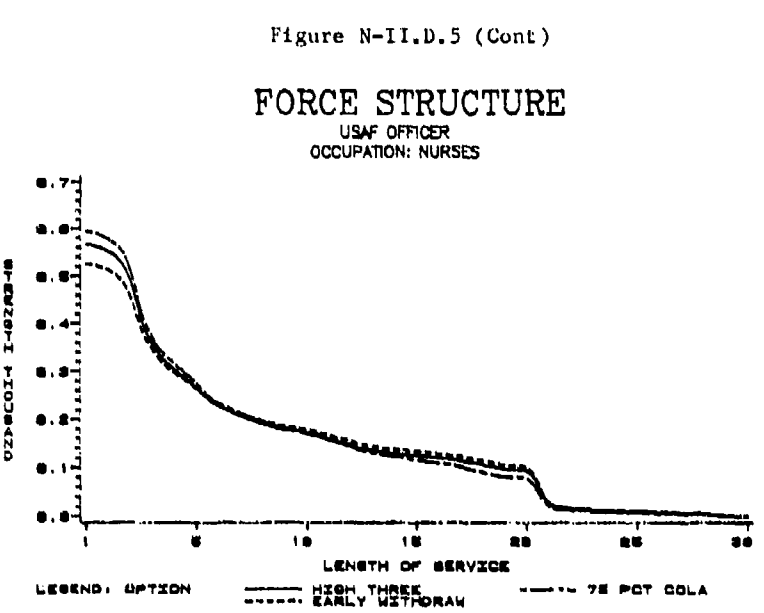


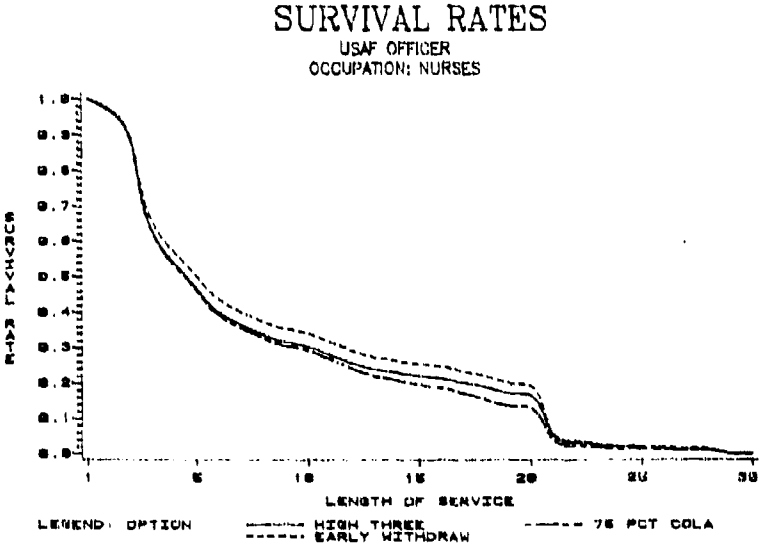
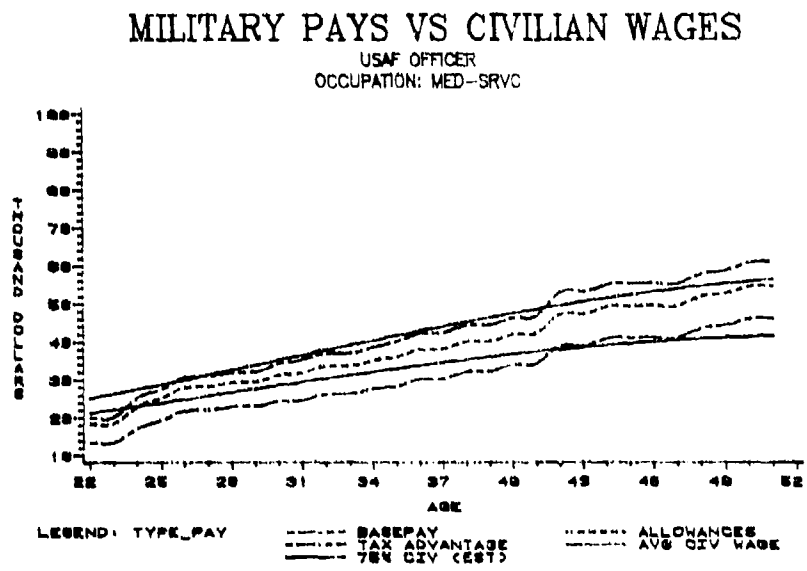
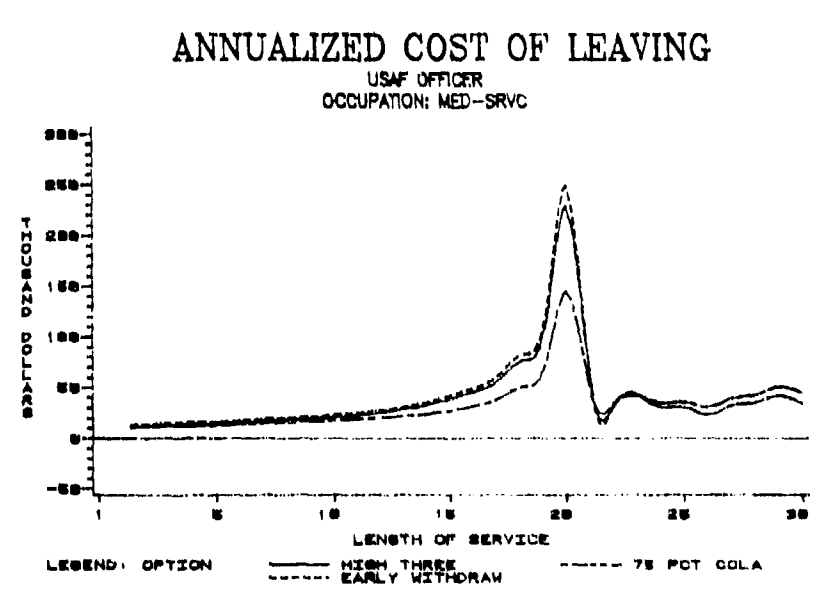


Figure N-II.D.6
USAF Medical Service





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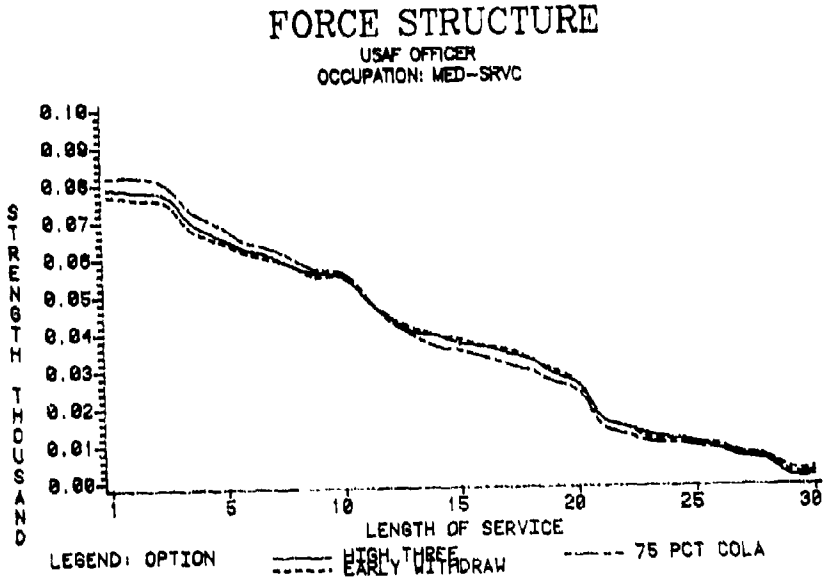


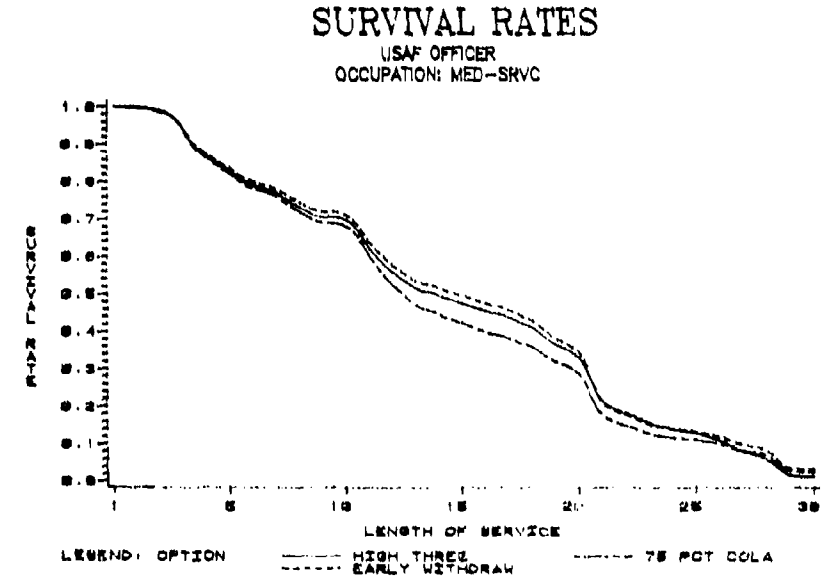
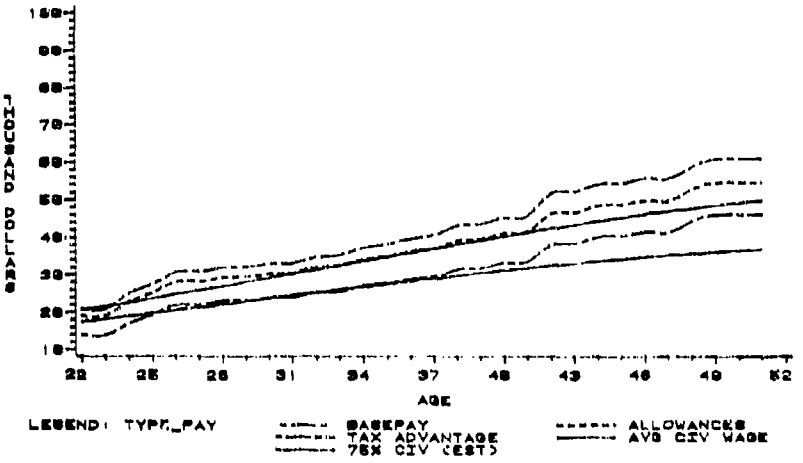


Figure N-II.D.7
USAF Bio-Medical Service

MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: BIOMED



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: BIOMED

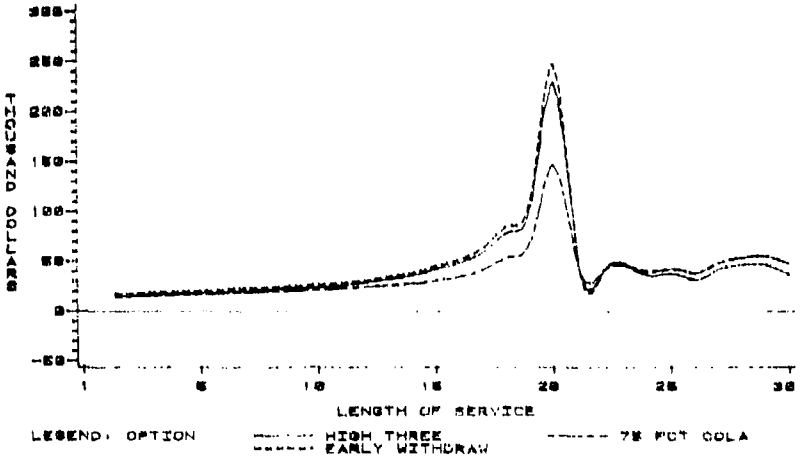
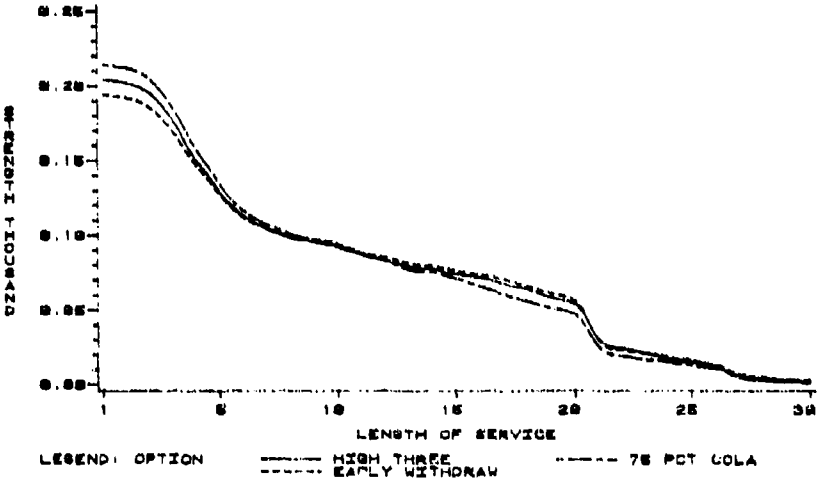


Figure N-II.D.7 (Cont)

FORCE STRUCTURE

USAF OFFICER
OCCUPATION: BIOMED



SURVIVAL RATES

USAF OFFICER
OCCUPATION: BIOMED

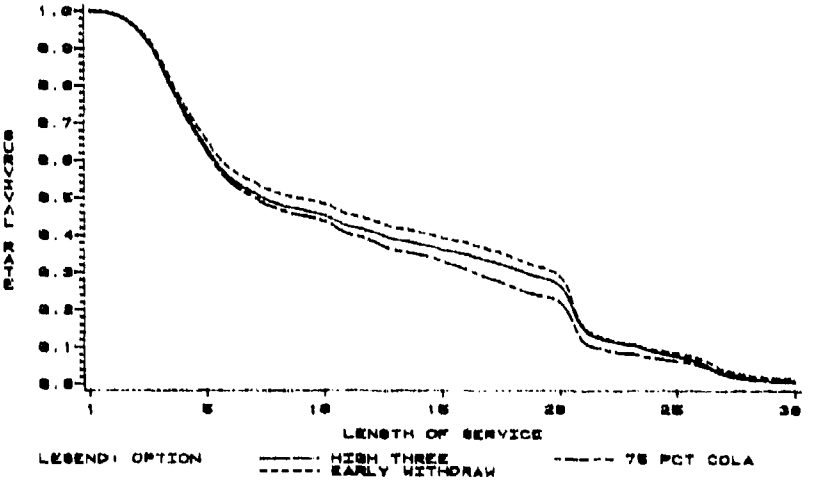
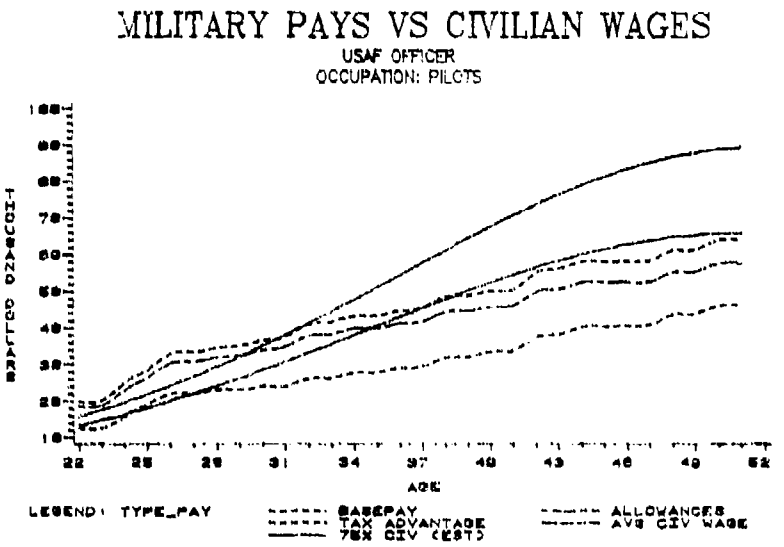
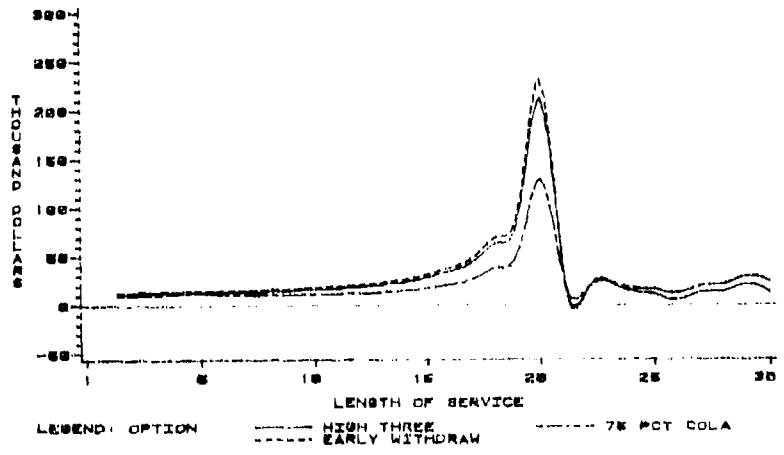


Figure N-II.D.8
USAF Pilot





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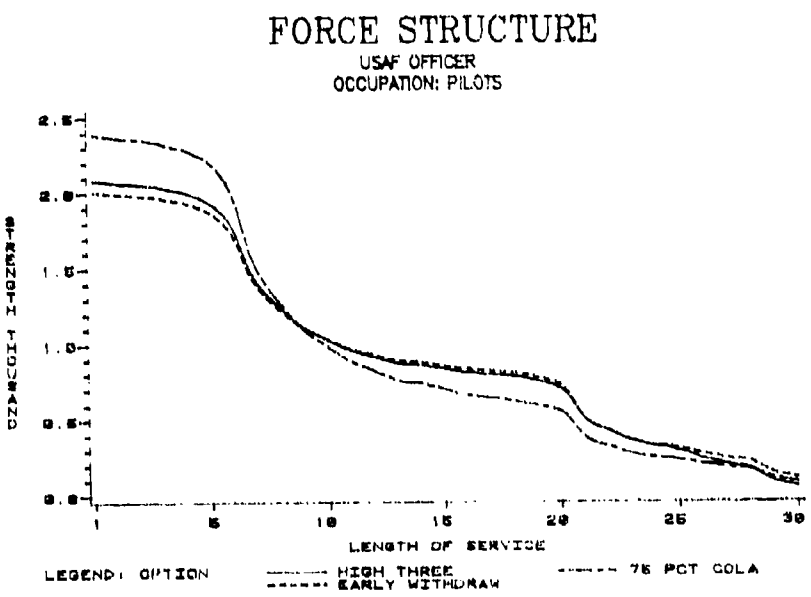


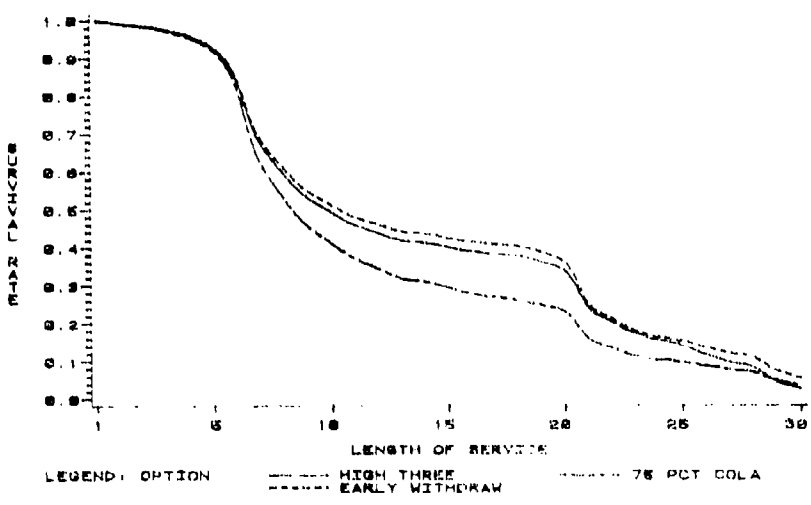
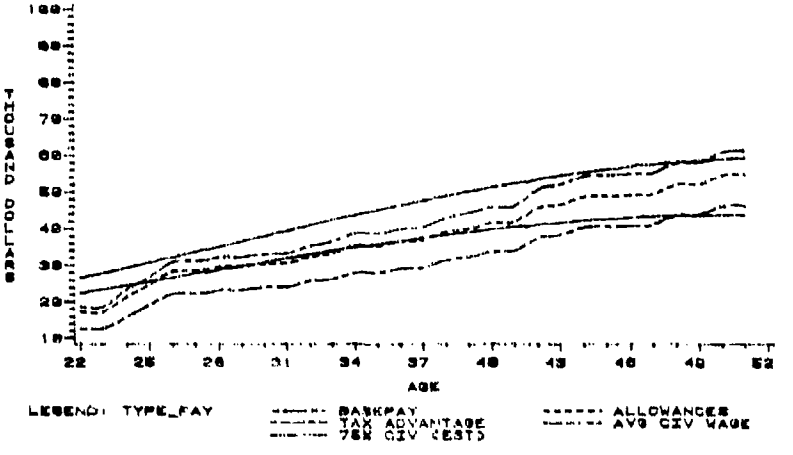


Figure N-II.D.9
USAF Navigator

MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: NAV-NFO



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: NAV-NFO

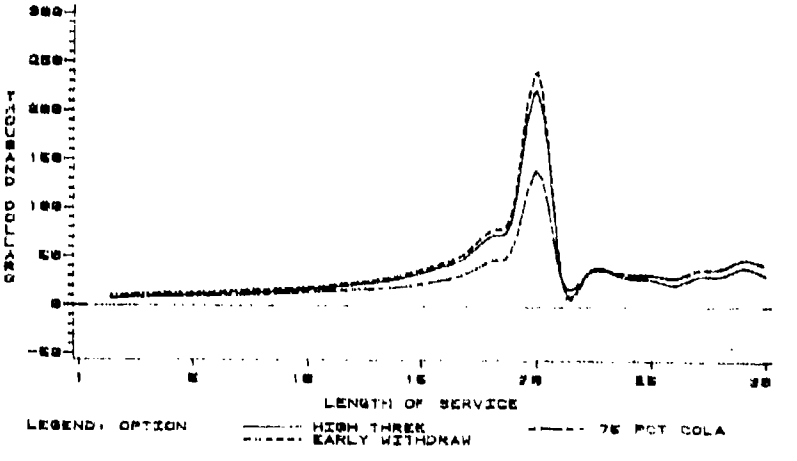
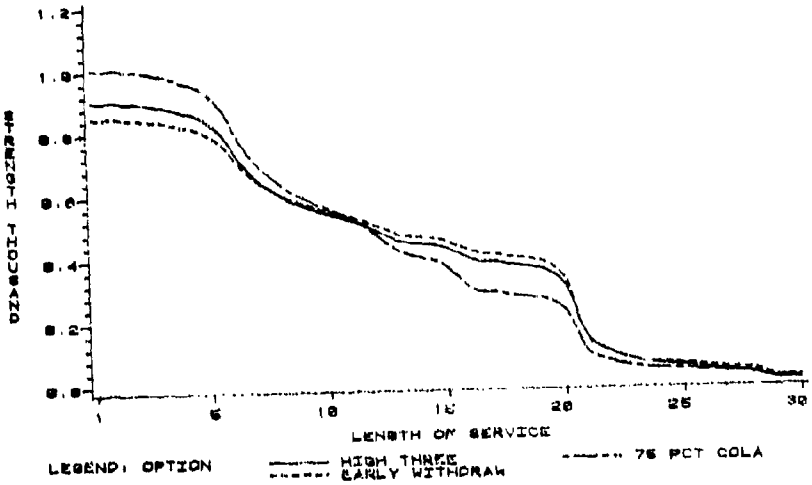


Figure N-11.D.9 (Cont)

FORCE STRUCTURE

USAF OFFICER
OCCUPATION: NAV-NFO



SURVIVAL RATES

USAF OFFICER
OCCUPATION: NAV-NFO

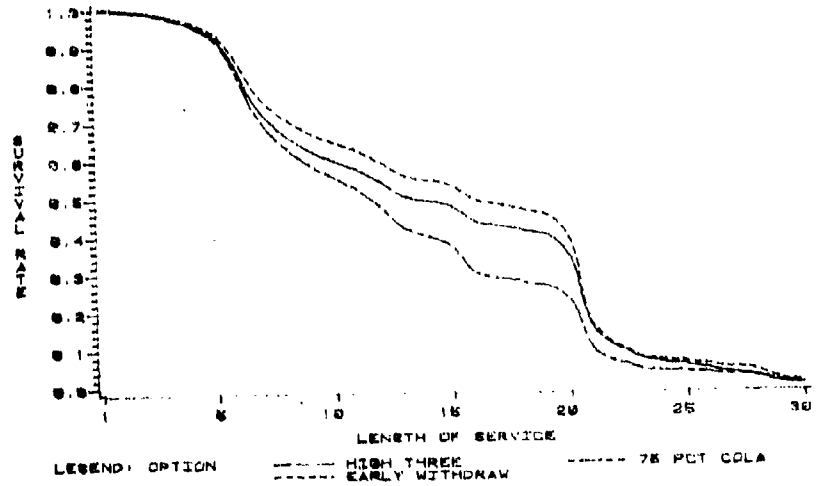
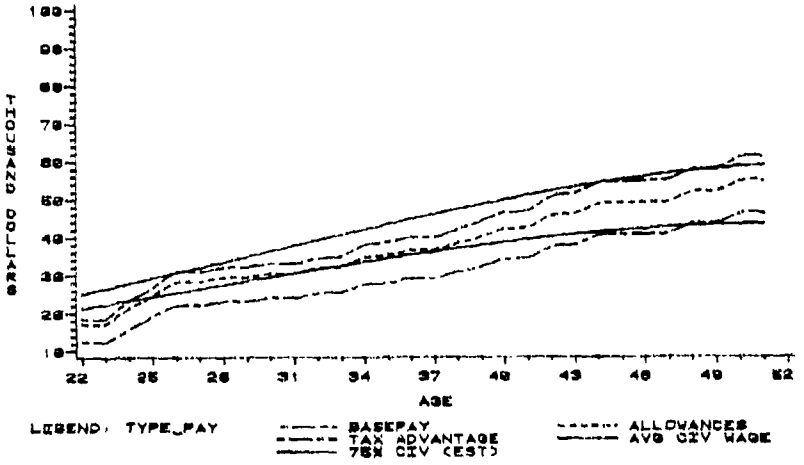


Figure N-II.D.10
USAF Technical

MILITARY PAYS VS CIVILIAN WAGES

USAF OFFICER
OCCUPATION: SCI-ENG



ANNUALIZED COST OF LEAVING

USAF OFFICER
OCCUPATION: SCI-ENG

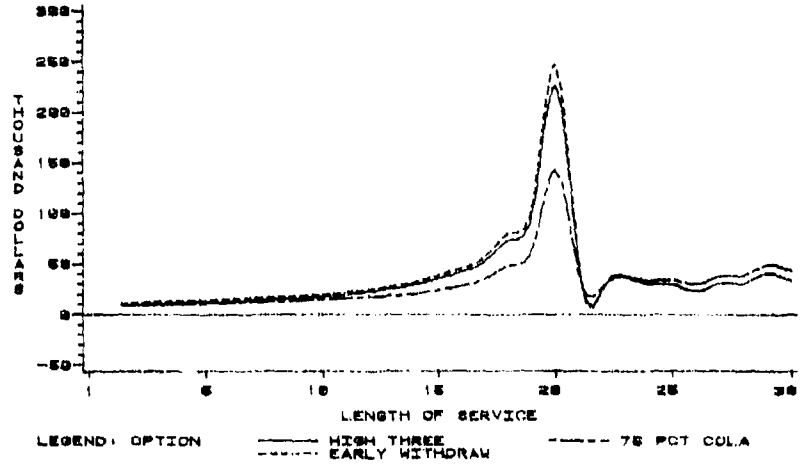
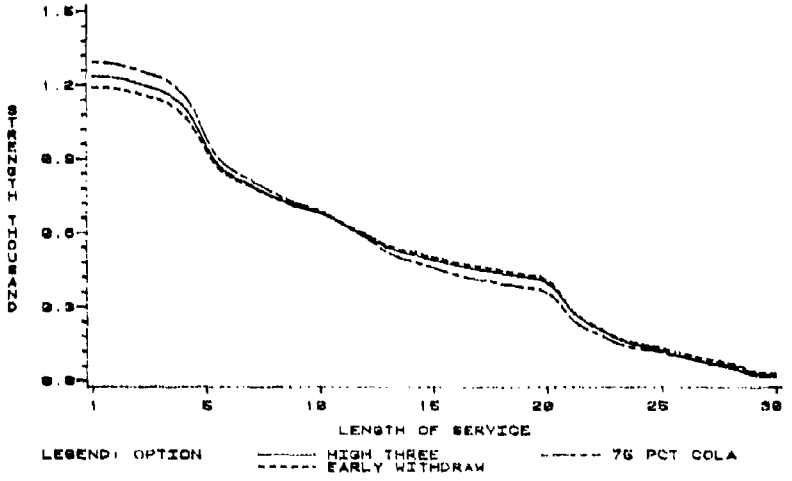


Figure N-11.D.10 (Cont)

FORCE STRUCTURE

USAF OFFICER
OCCUPATION: SCI-ENG



SURVIVAL RATES

USAF OFFICER
OCCUPATION: SCI-ENG

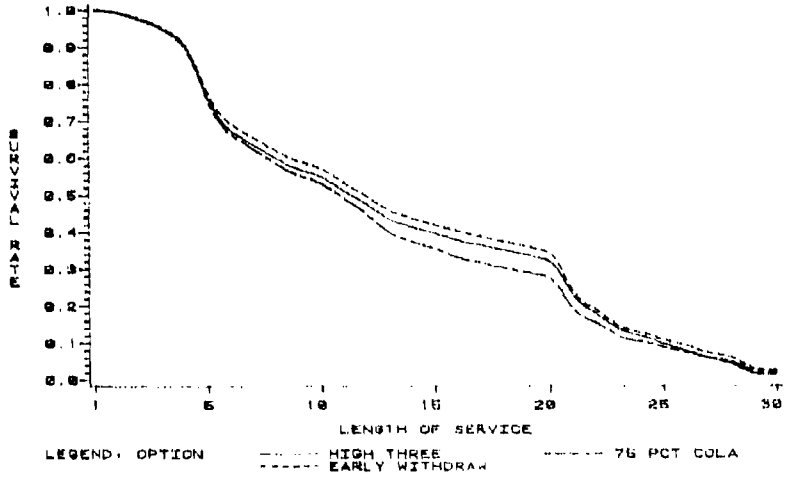
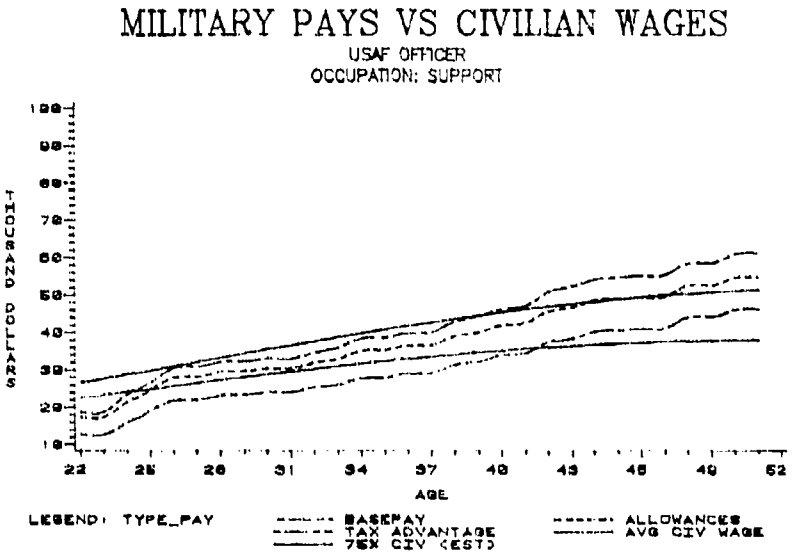
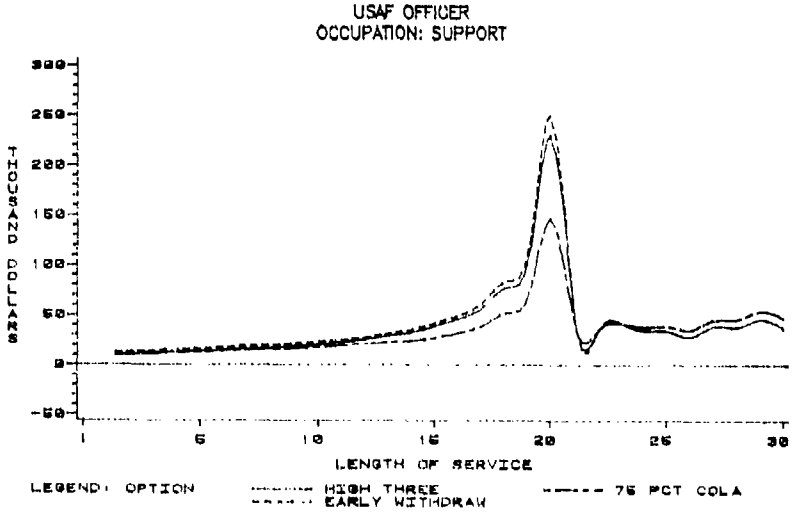


Figure N-II.D.11
USAF Support





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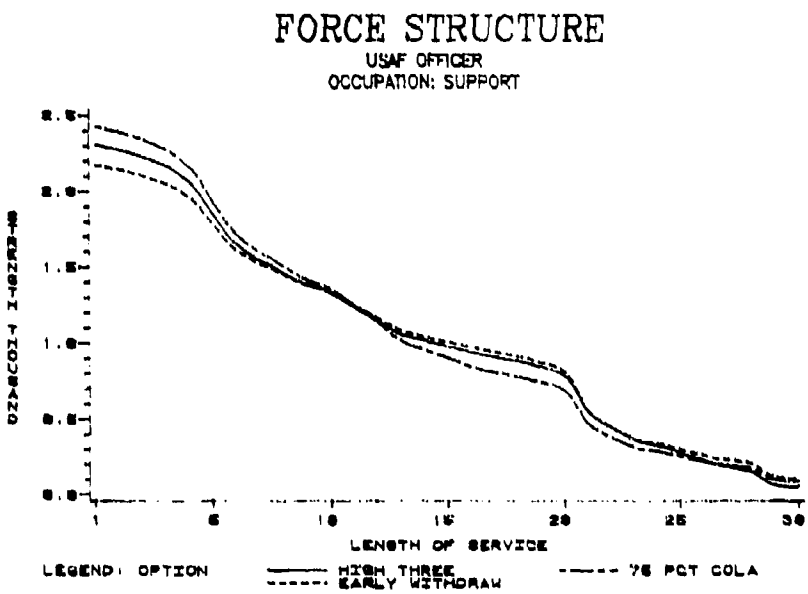


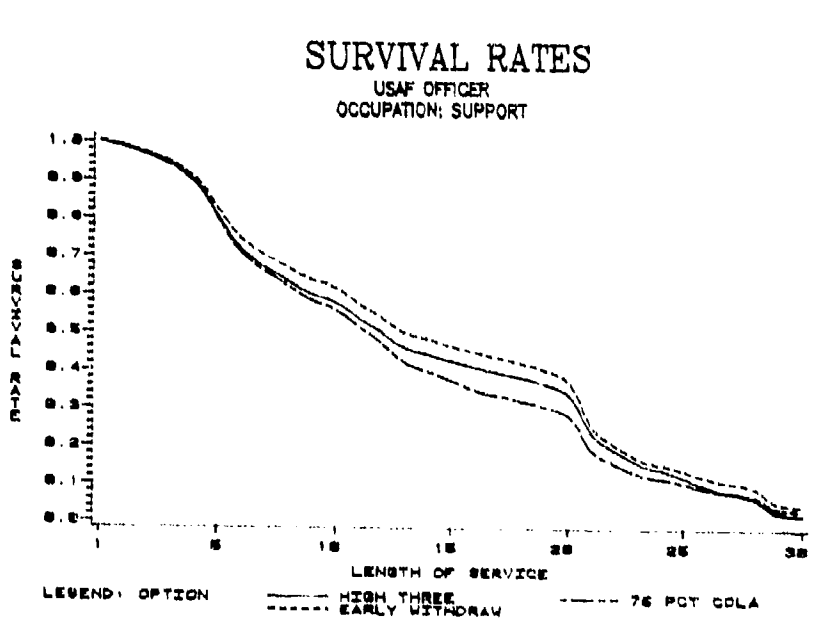
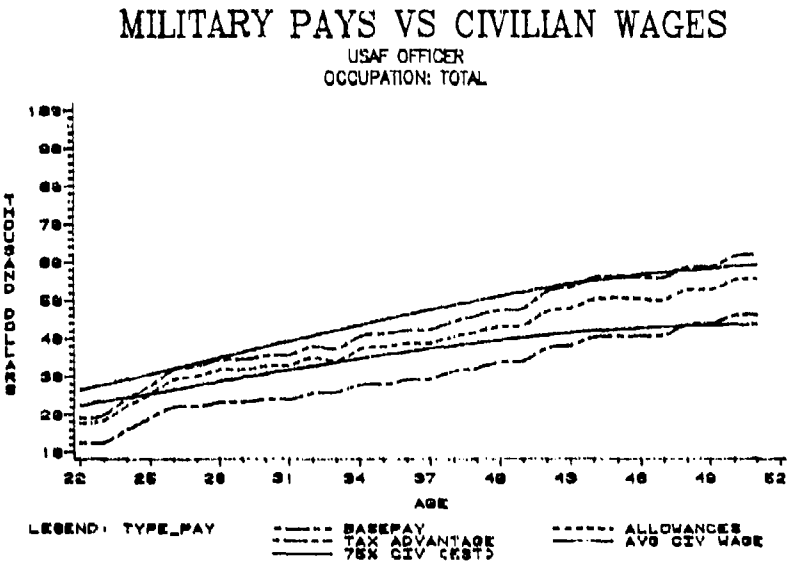


Figure N-II.D.12
USAF Total Officer



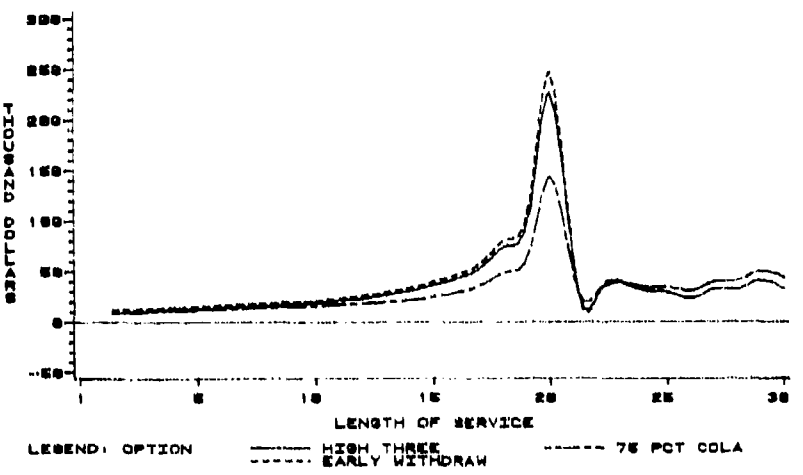
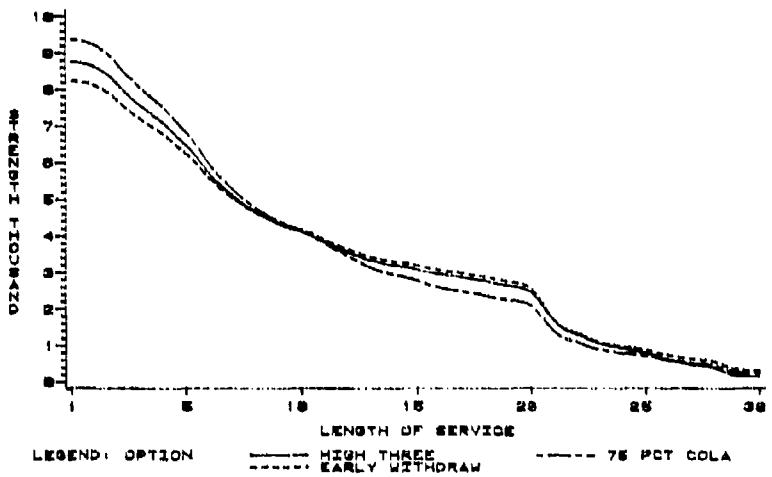


Figure N-II.D.12 (Cont)

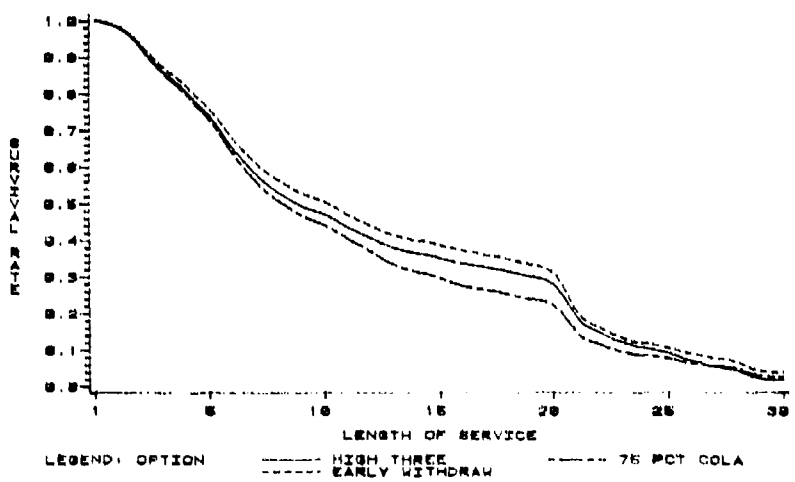
FORCE STRUCTURE

USAF OFFICER
OCCUPATION: TOTAL



SURVIVAL RATES

USAF OFFICER
OCCUPATION: TOTAL



III. ENLISTED OCCUPATIONAL GROUPS BY SERVICE.

A. ARMY ENLISTED OCCUPATIONAL GROUP DEFINITION.

1. Occupation: Infantry, Gun Crews and Seamanship Specialists (Enlisted)
ORMC Category 126 DOD Occupation Codes: 01-04,06

This occupational category includes the following subcategories: infantry, armor, combat engineering, artillery/gunnery, rockets, missile and small boat operations. The current objective endstrength for this category is 171189 which is 25% of total current objective enlisted endstrength.

2. Occupation: Electronic Equipment Repair (Enlisted)
ORMC Category 127 DOD Occupation Codes: 10-12, 14-16, 19

This occupational category includes the following subcategories: radio/radar, fire control electronic systems (non-missile), missile guidance, control and checkout, nuclear weapons equipment, ADP computers, teletype, cryptographic and other electronic equipment. The current objective endstrength for this category is 37779 which is 6% of total current objective enlisted endstrength.

3. Occupation: Communications and Intelligence (Enlisted)
ORMC Category 128 DOD Occupation Codes: 20,22-26

This occupational category includes the following subcategories: radio and radio code, radar and air traffic control, signal intelligence/electronic warfare, intelligence, combat operations control and communications center operations. The current objective endstrength for this category is 83139 which is 12% of total current objective enlisted endstrength.

4. Occupation: Medical and Dental (Enlisted)
ORMC Category 129 DOD Occupation Codes: 30-33

This occupational category includes the following subcategories: medical care, technical and related medical services and dental care. The current objective endstrength for this category is 40521 which is 6% of total current objective enlisted endstrength.

5. Occupation: Other Technical Specialist (Enlisted)
ORMC Catgeory 130 DOD Occupation Codes: 40-43, 45,49

This occupational category includes the following subcategories: photography, mapping, surveying, drafting, illustrating, weather, ordnance disposal, diving, music and other technical specialties. The current objective endstrength for this category is 17835 which is 3% of total current objective enlisted endstrength.

6. Occupation: Functional Support Administration (Enlisted)
ORMC Category 131 DOD Occupation Codes: 50-57

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This occupational category includes the following subcategories: personnel, administration, clerical, data processing, accounting, finance, disburing, religious, morale, welfare, information, education and other functional support. The current objective endstrength for this category is 119410 which is 18% of total current objective enlisted endstrength.

7. Occupation: Electrical/Mechanical Equipment Repair (Enlisted)
   QRMC Category 132 DoD Occupation Codes: 60-67, 69

This occupational category includes the following subcategories of equipment repair: aircraft, aircraft-related, automotive, wire communications, missile mechanical and electrical, armament, munitions, shipboard propulsion, power generation, precision and other mechanical and electrical. The current objective endstrength for this category is 108758 which is 16% of total current objective enlisted endstrength.

8. Occupation: Craftsmen (Enlisted)
   QRMC Category 133 D) Occupation Codes: 70-72, 74, 76

This occupational category includes the following subcategories: metalworking, construction, utilities, lithography and fabric repair. The current objective endstrength for this category is 17191 which is 2% of total current objective enlisted endstrength.

9. Occupation: Service and Supply Handlers (Enlisted)
   QRMC Category 134 DoD Occupation Codes: 80-84, 86

This occupational category includes the following subcategories: food service, motor transport, materiel receipt, storage and issue, law enforcement, personal service and forward area equipment support. The current objective endstrength for this category is 81540 which is 12% of total current objective enlisted endstrength.

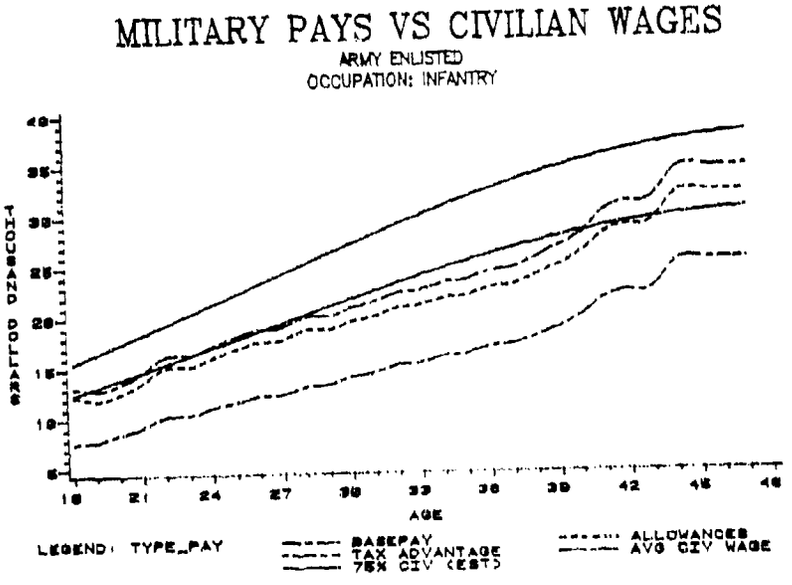
10. Occupation: Non-Occupational (Enlisted)
    QRMC Category 135 Dod Occupation Codes: 90-95

This occupational category includes the following subcategories: officer candidates, special duty assignees, and students undergoing training or military occupational specialty reclassification.

List of Figures (Army Enlisted)

N-III.A.	1.	Army Infantry
N-III.A.	2.	Army Electronic Equipment Repair
N-III.A.	3.	Army Communications and Intelligence
N-III.A.	4.	Army Medical and Dental
N-III.A.	5.	Army Other Technical Specialist
N-III.A.	6.	Army Functional Support Administration
N-III.A.	7.	Army Electrical/Mechanical Equipment Repair
N-III.A.	8.	Army Craftsman
N-III.A.	9.	Army Service and Supply Handlers
N-III.A.	10.	Army Non-Occupational Students
N-III.A.	11.	Army Total Enlisted

Figure N-III.A.1
Army Infantry



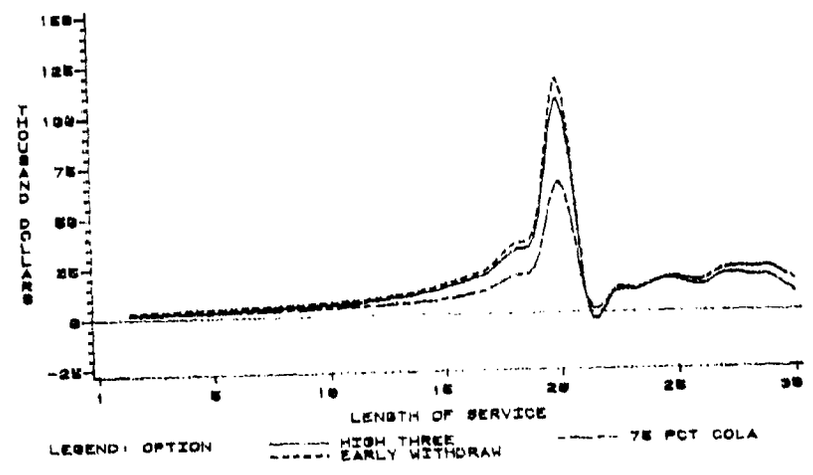
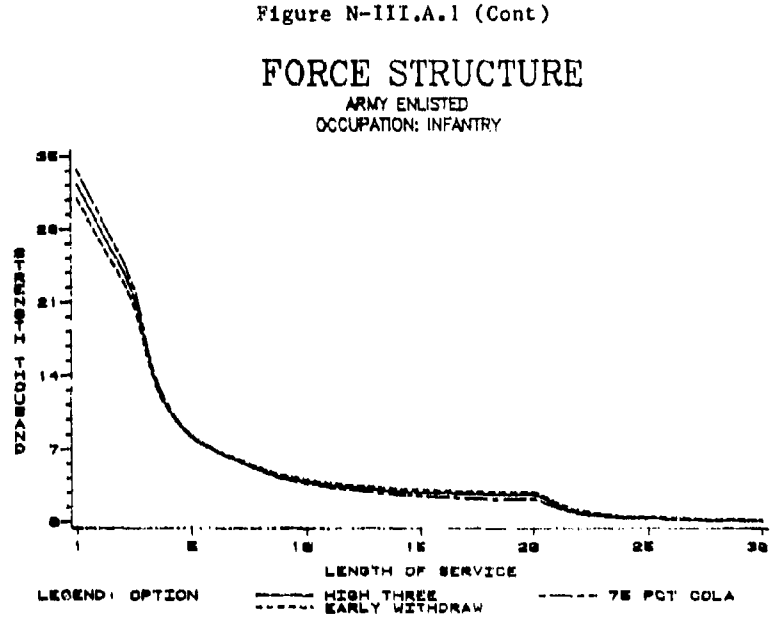


Figure N-III.A.1 (Cont)



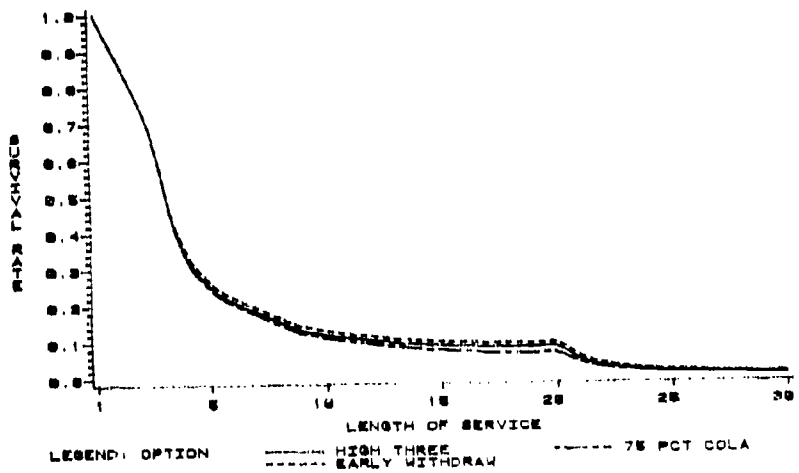
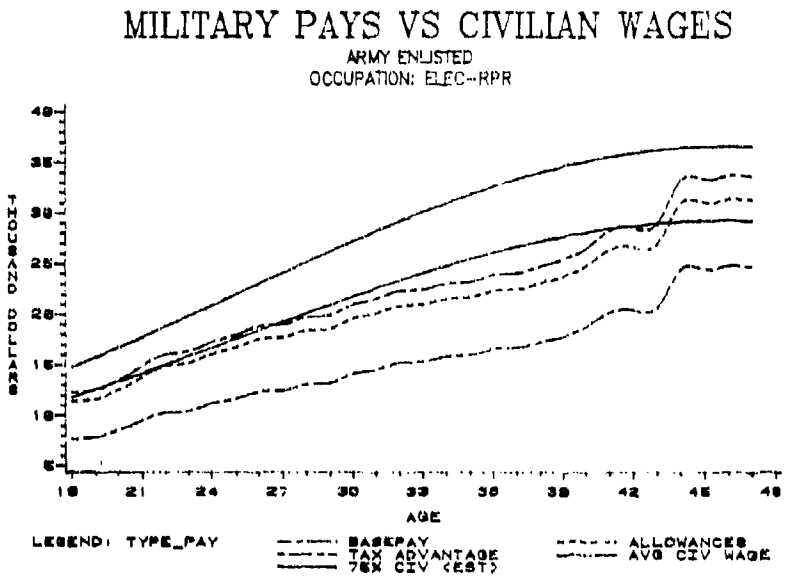


Figure N-III.A.2
Army Electronic Equipment Repair



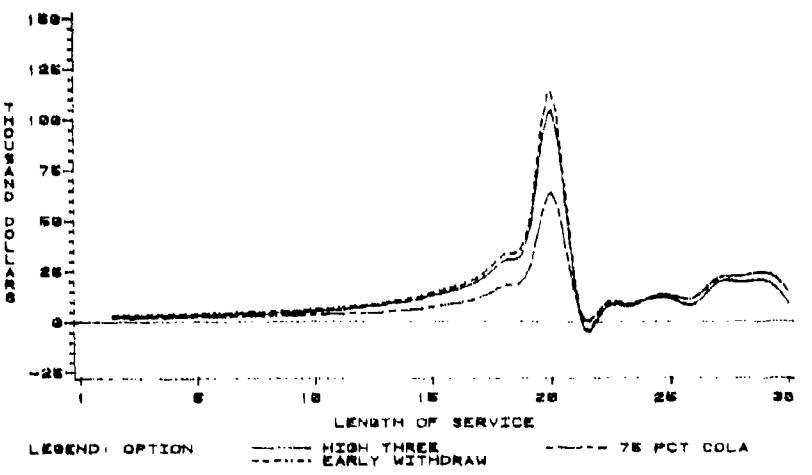
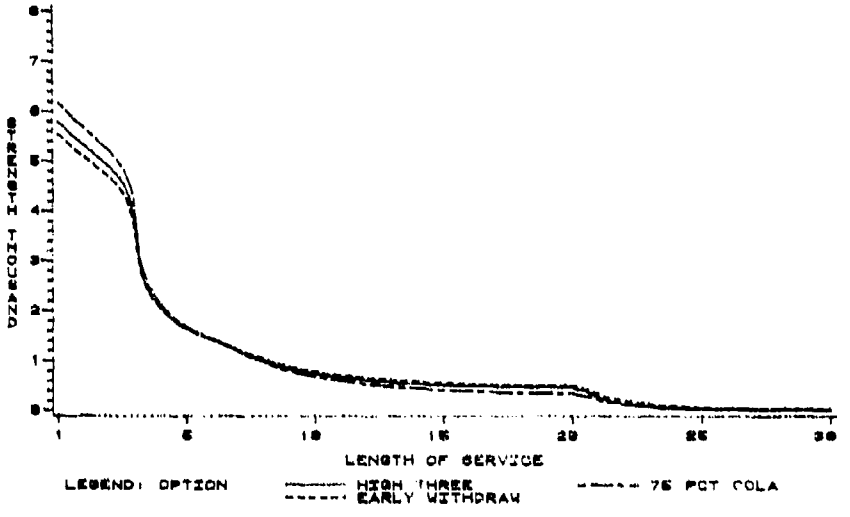


Figure N-III.A.2 (Cont)

FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: ELEC-RPR



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: ELEC-RPR

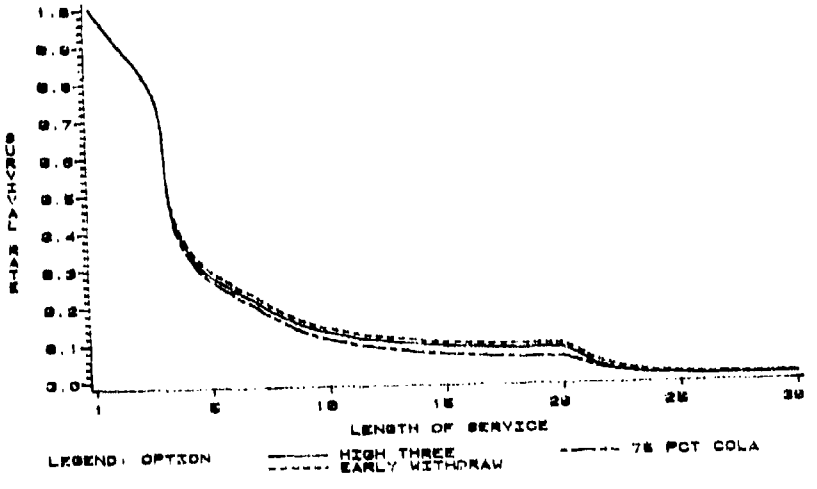
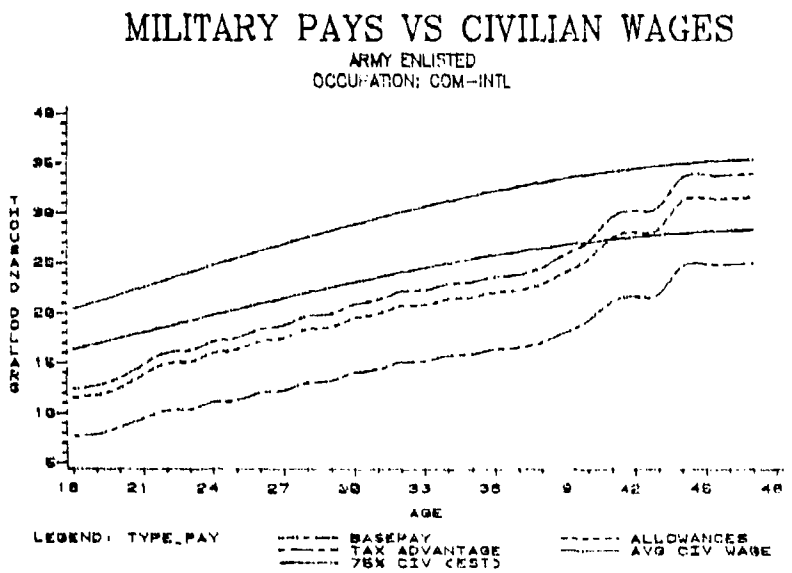
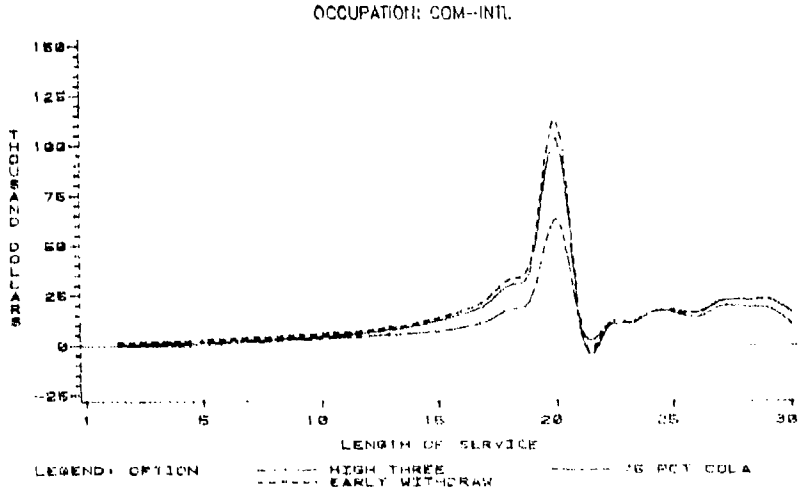


Figure N-III.A.3
Army Communications and Intelligence





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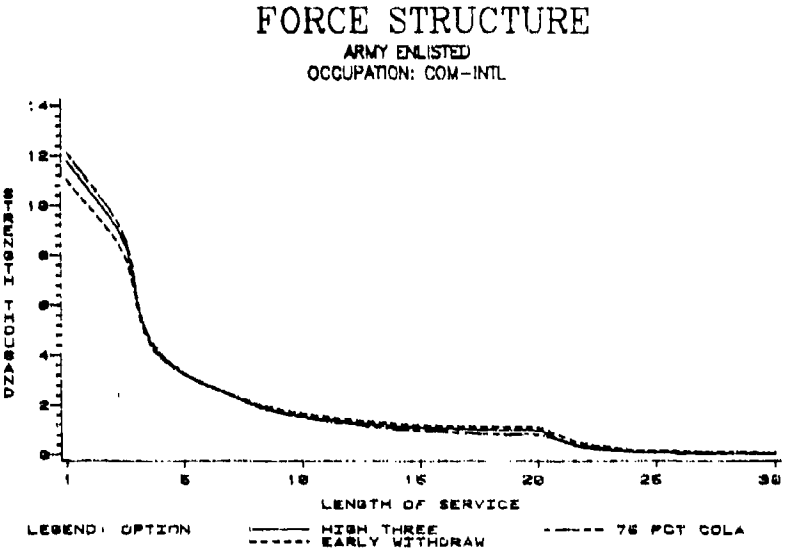


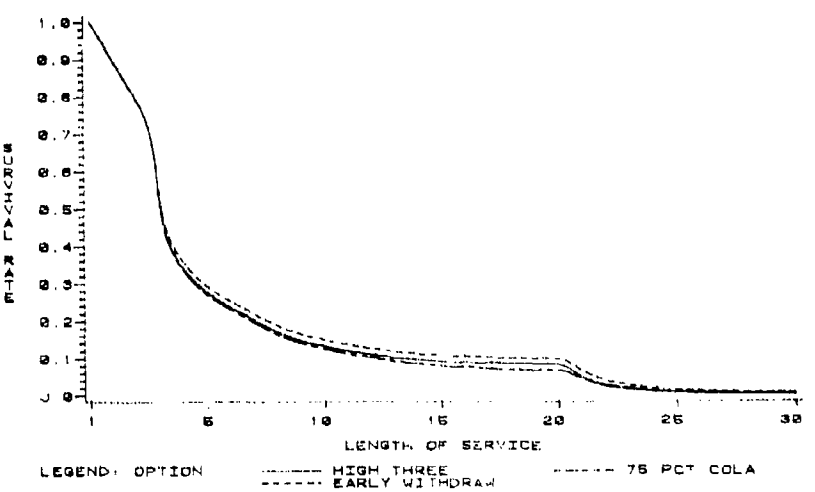
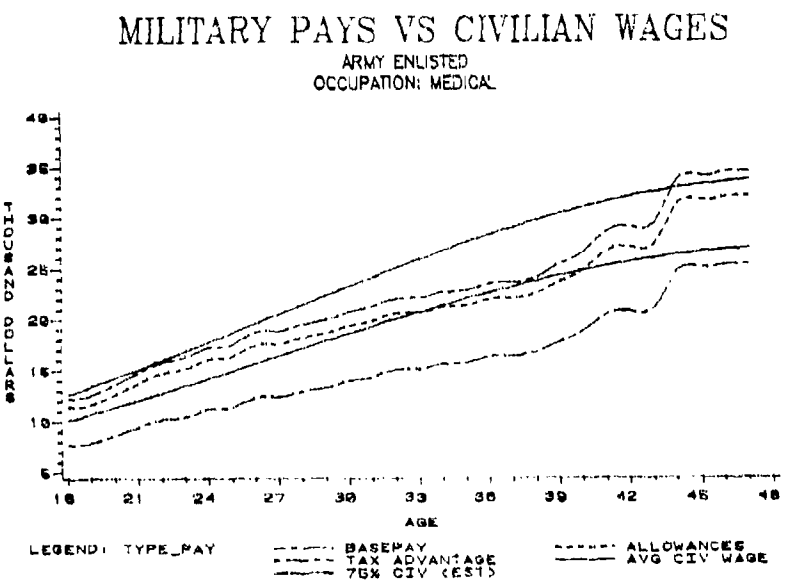


Figure N-III.A.4
Army Medical and Dental



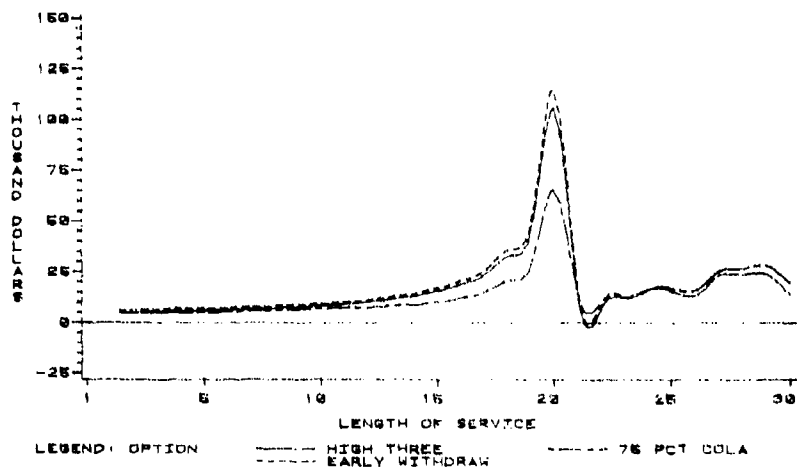
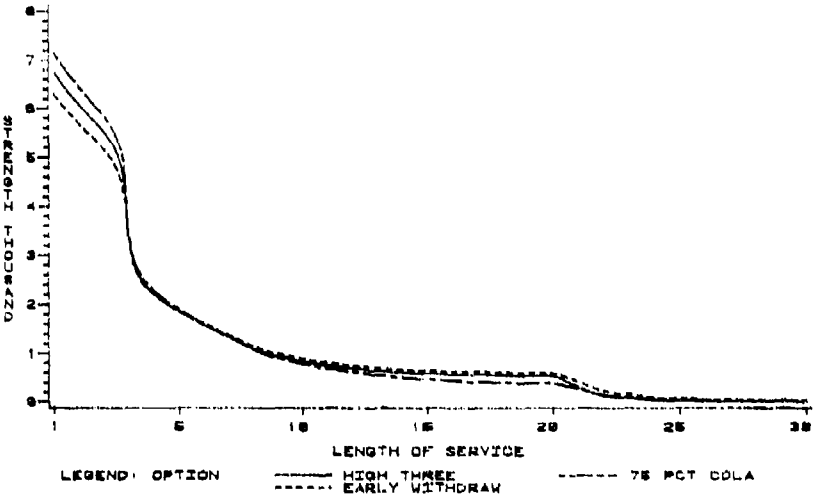


Figure N-III.A.4 (Cont)

FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: MEDICAL



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: MEDICAL

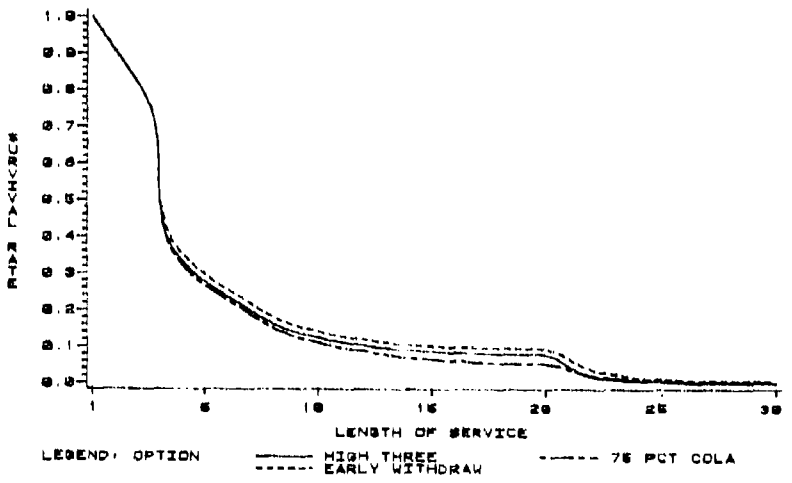
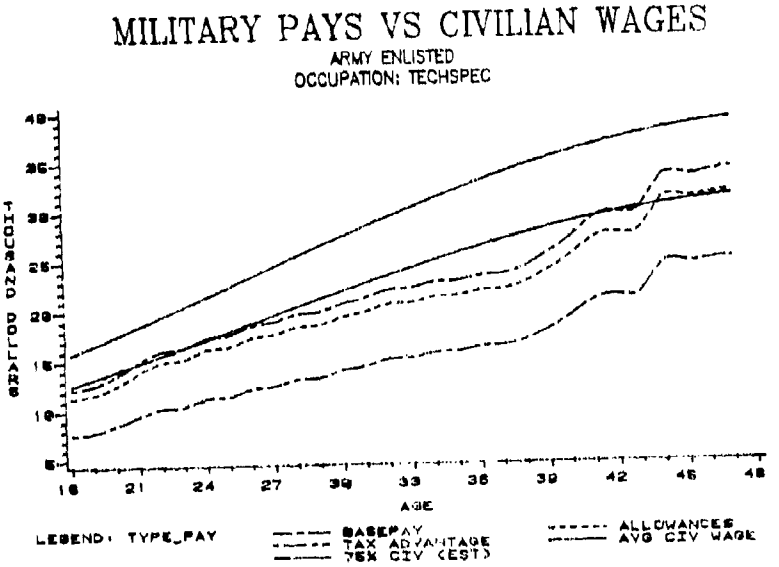
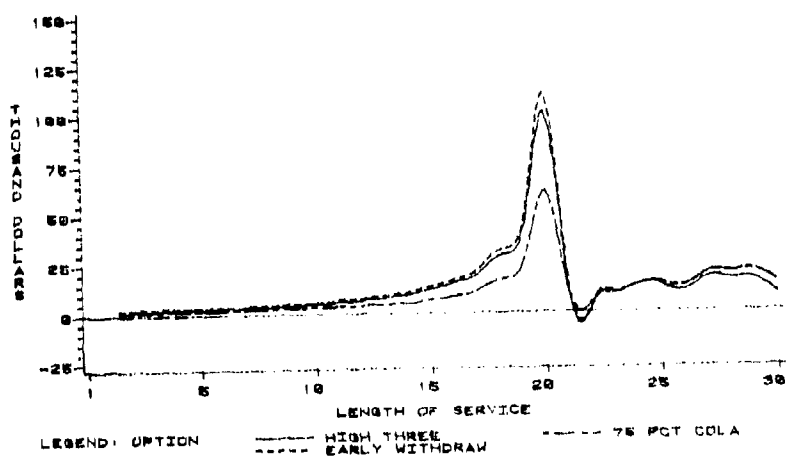


Figure N-III.A.5
Army Other Technical Specialist





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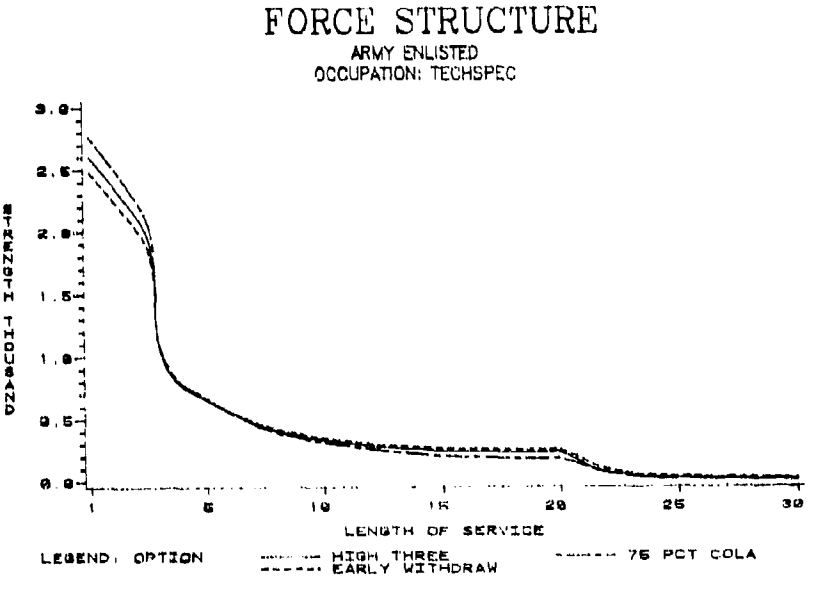


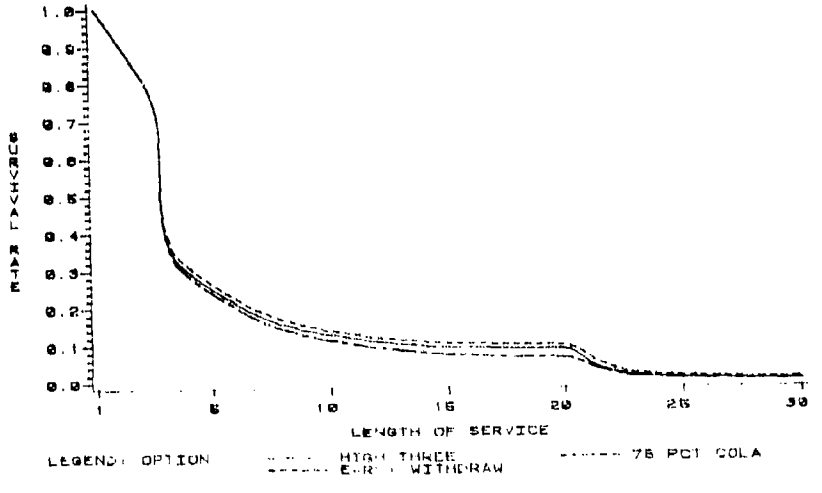
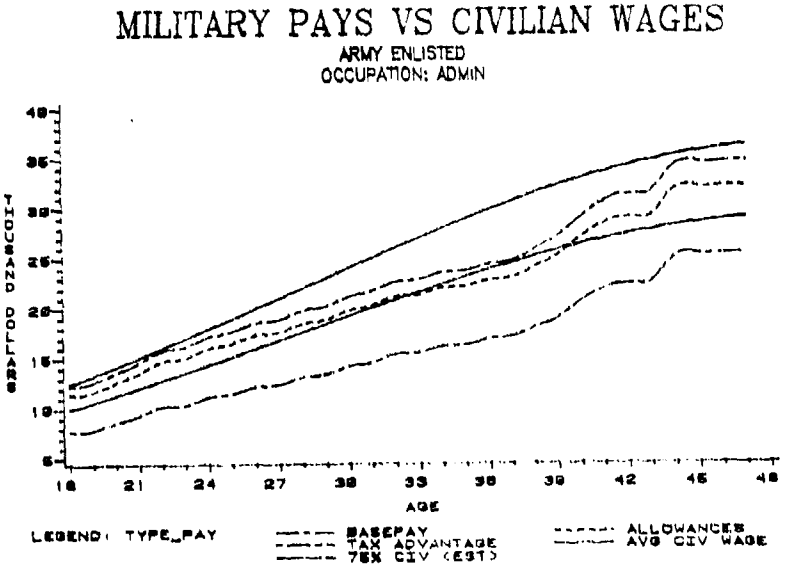
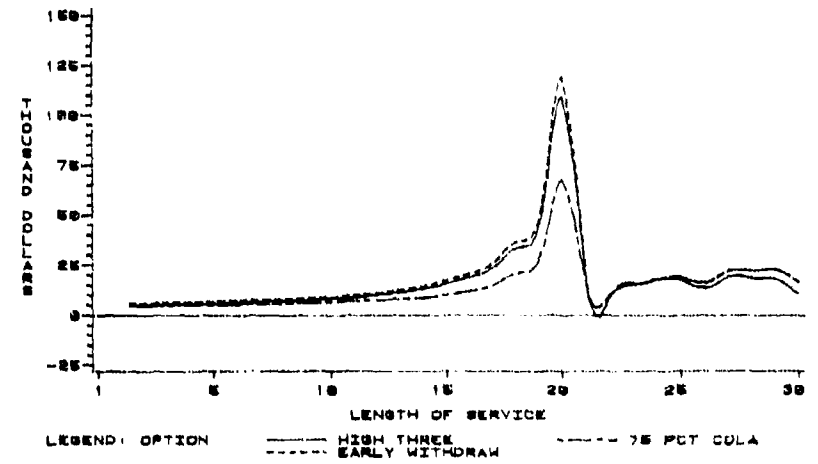


Figure N-III.A.6
Army Functional Support Administration





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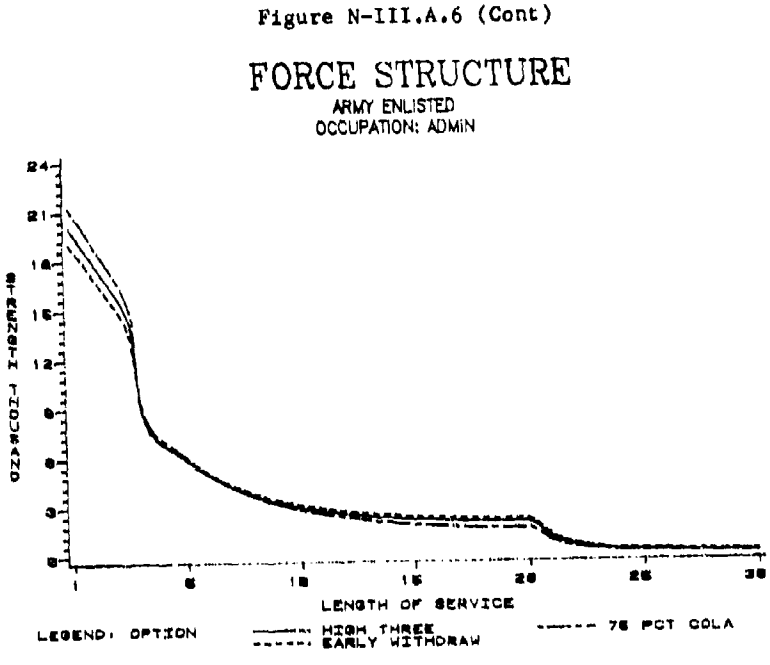


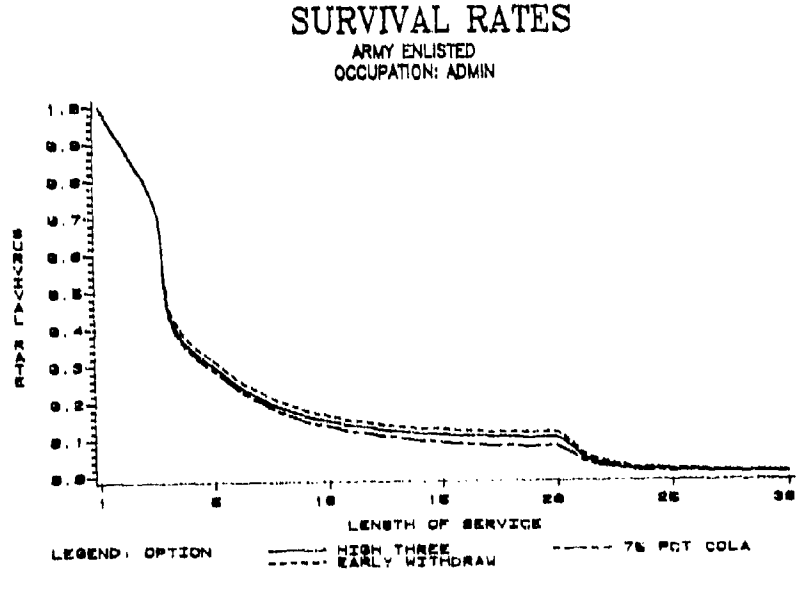
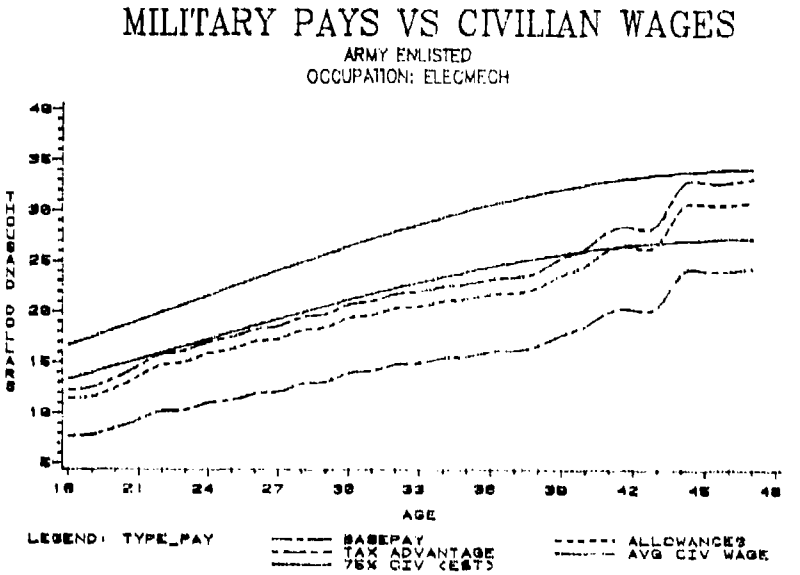
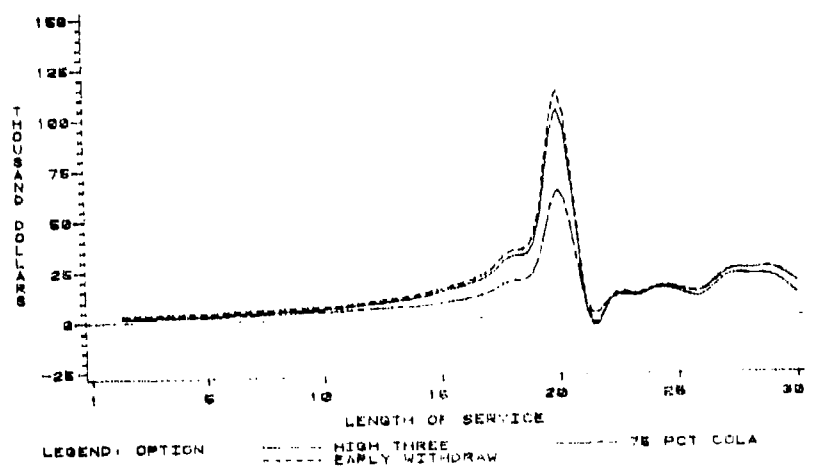


Figure N-III.A.7
Army Electrical/Mechanical Equipment Repair





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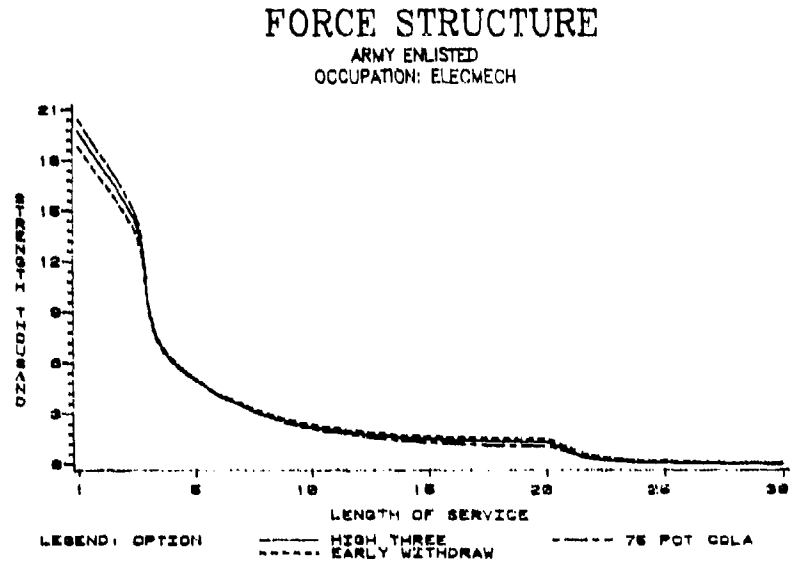


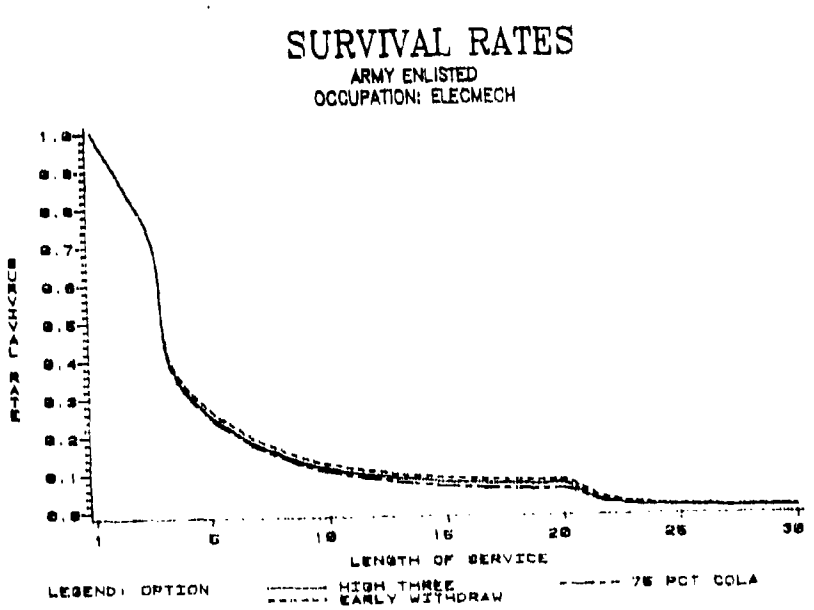
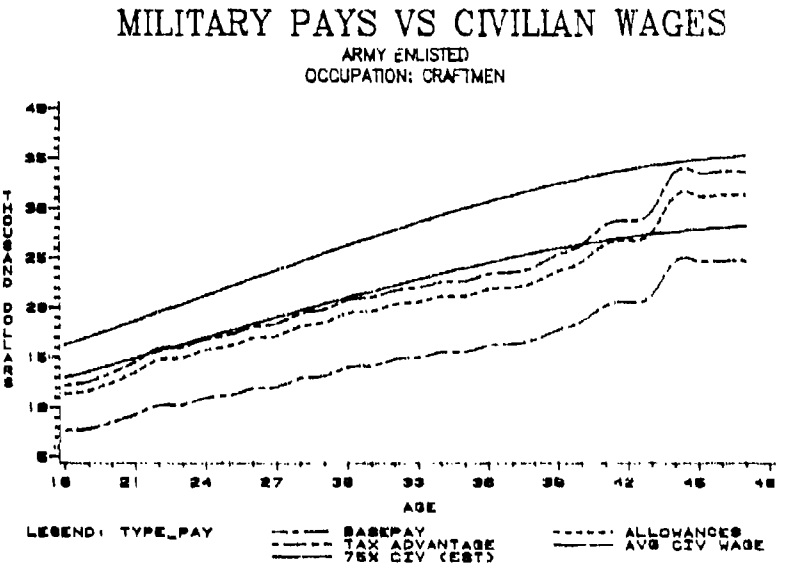


Figure N-III.A.8
Army Craftsman



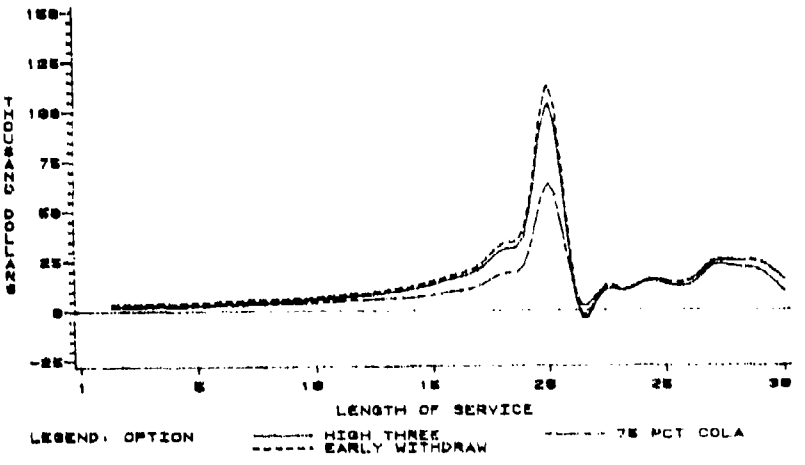
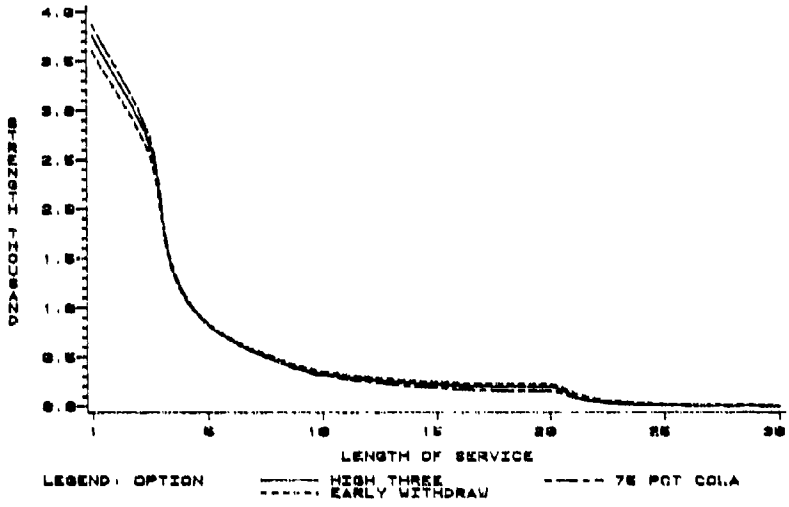


Figure N-III.A.8 (Cont)

FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: CRAFTMEN



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: CRAFTMEN

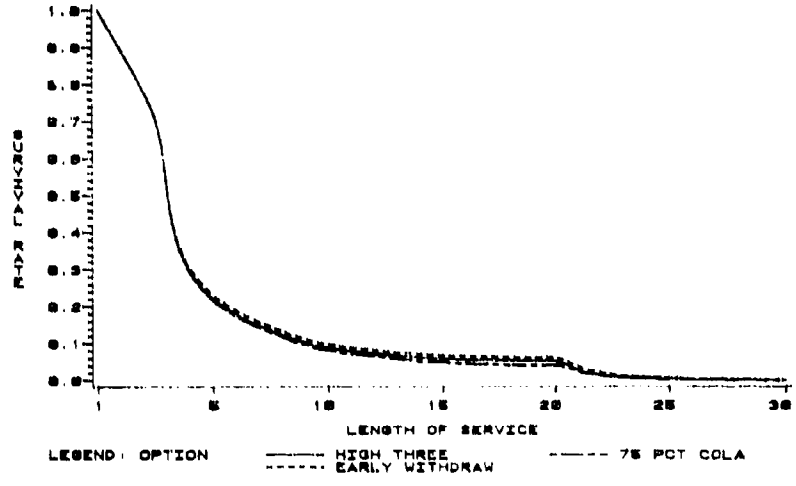
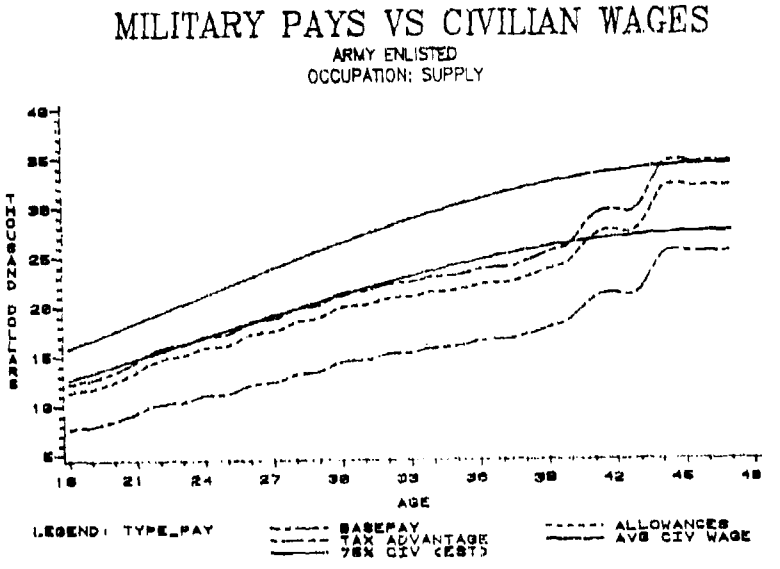


Figure N-III,A.9
Army Service and Supply Handlers



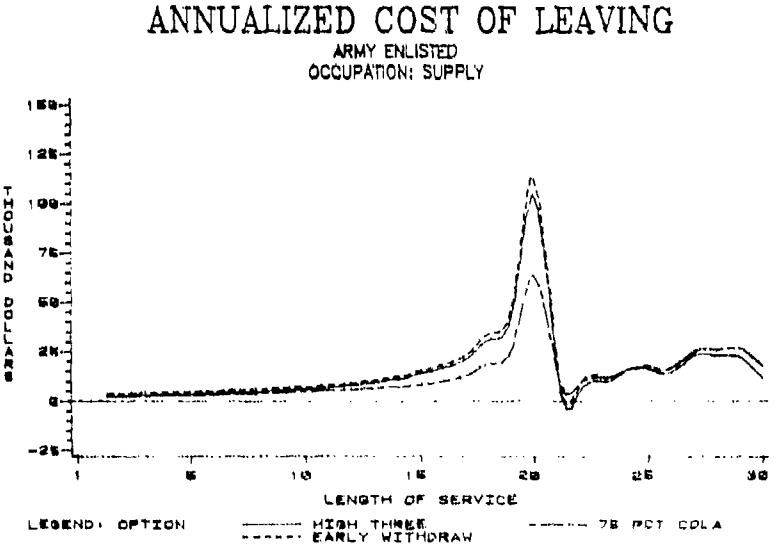
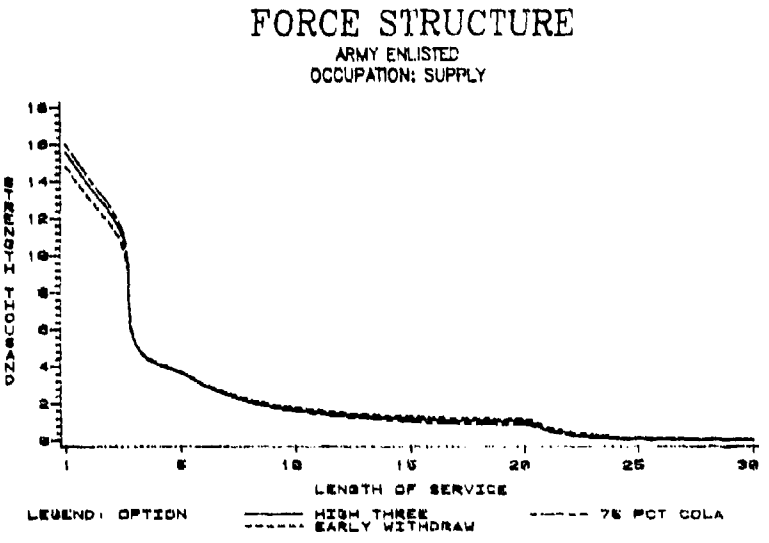


Figure N-III.A.9 (Cont)



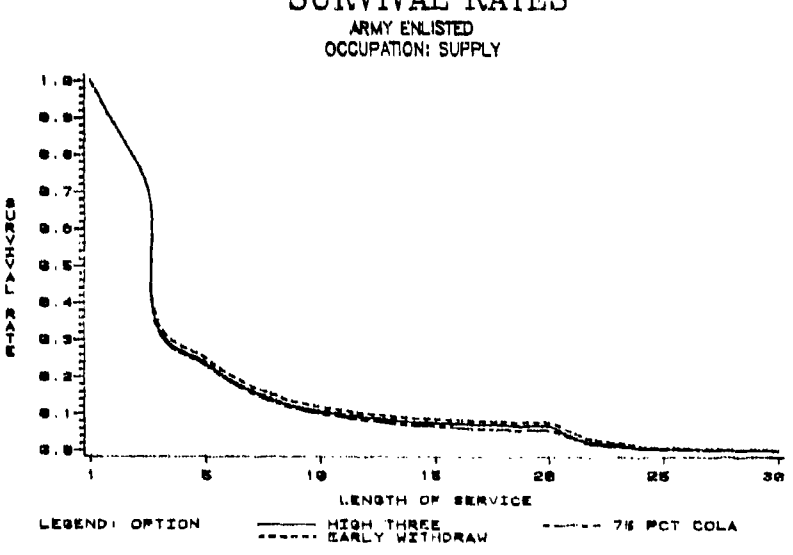
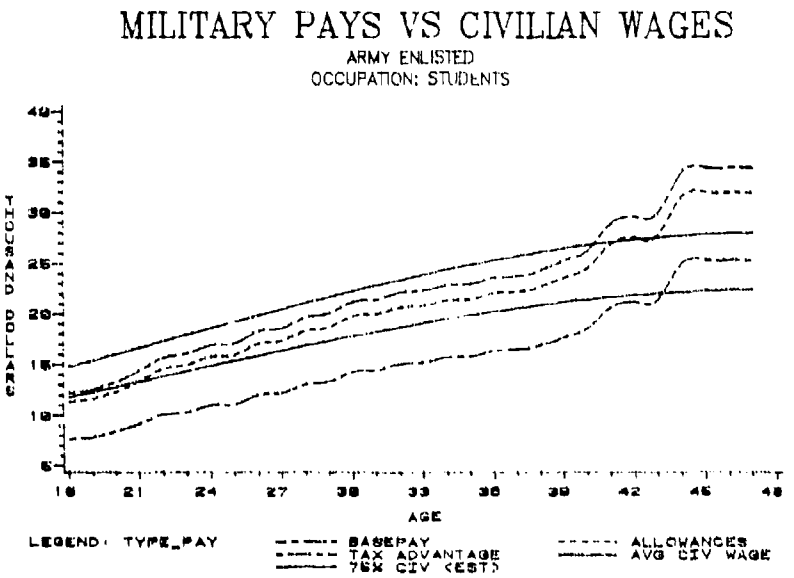


Figure N-III.A.10
Army Non-Occupational Students



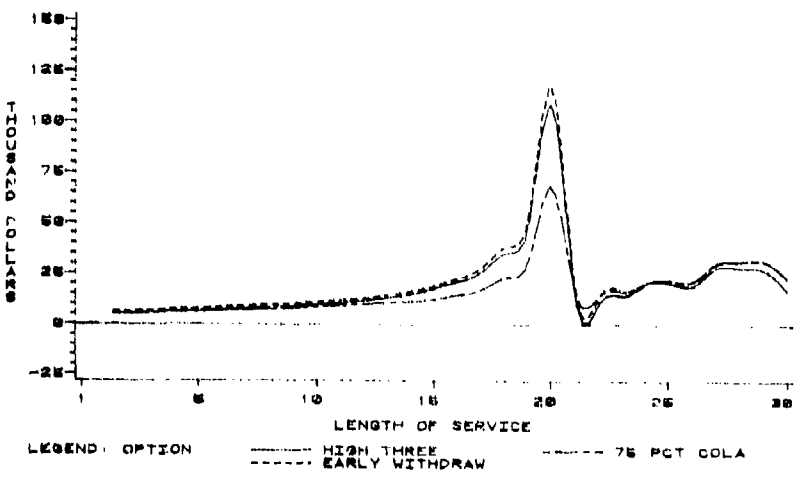
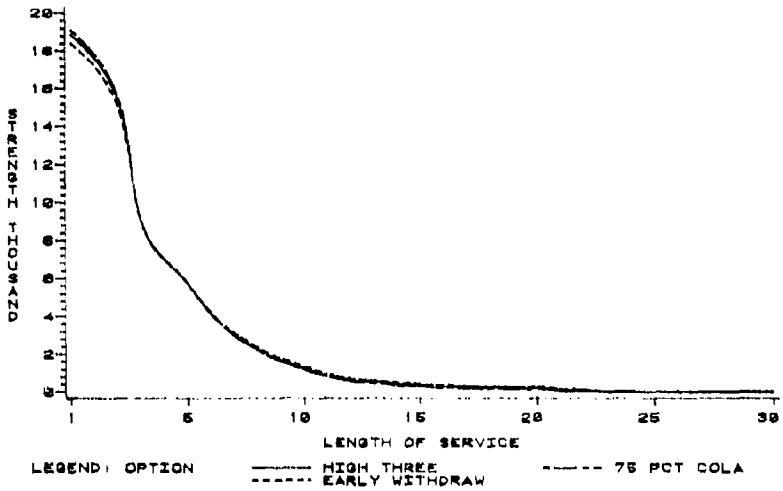


Figure N-III.A.10 (Cont)

FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: STUDENTS



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: STUDENTS

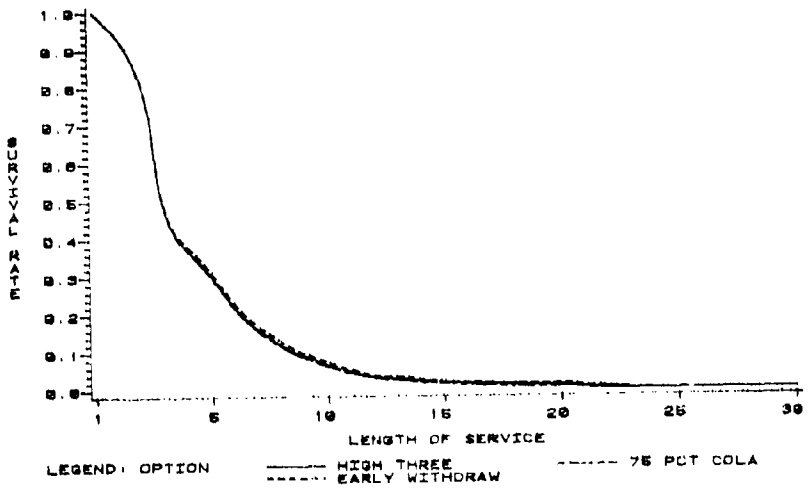
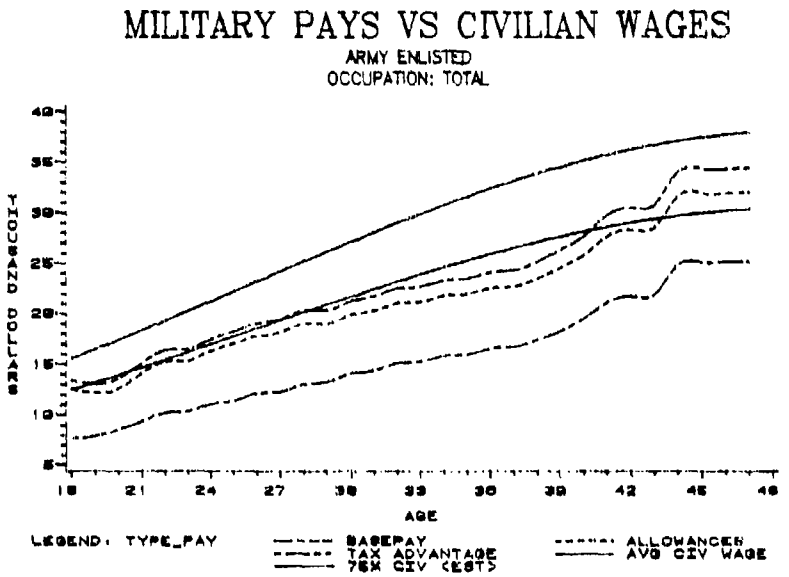


Figure N-III.A.11
Army Total Enlisted



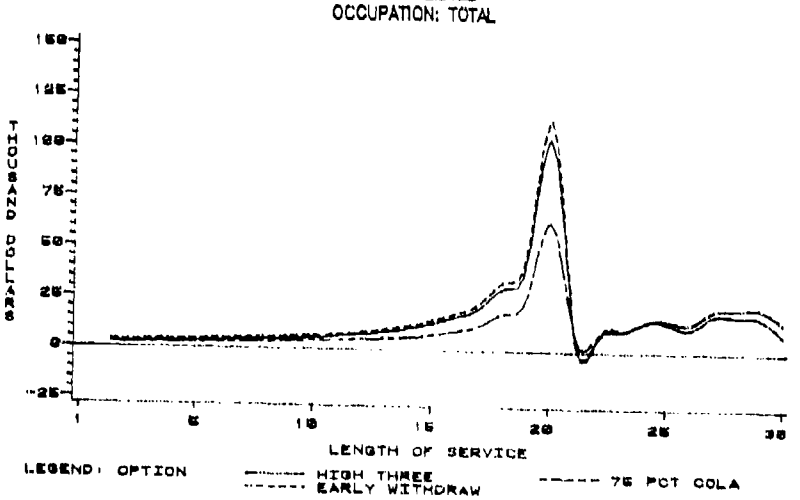
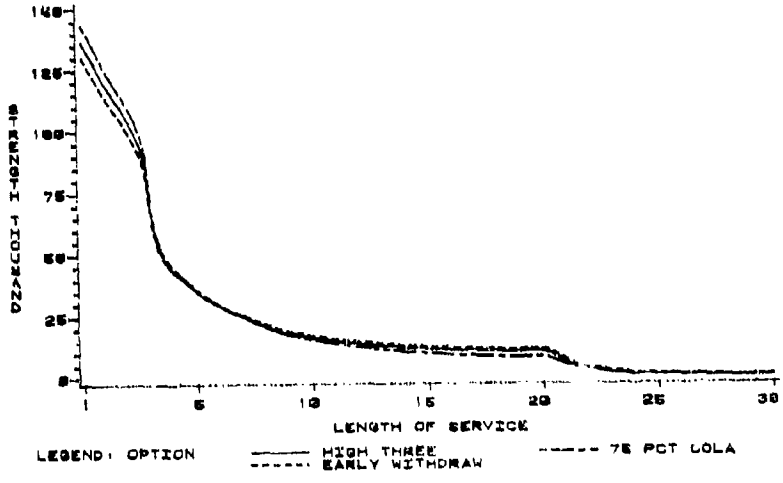


Figure N-III.A.11 (Cont)

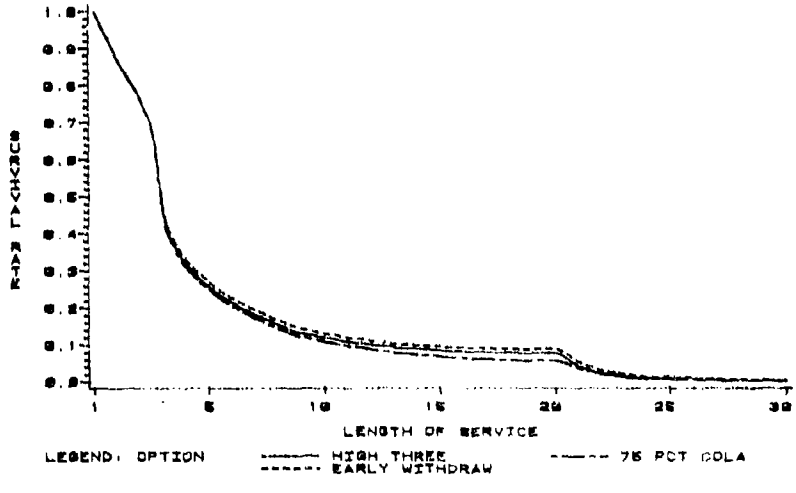
FORCE STRUCTURE

ARMY ENLISTED
OCCUPATION: TOTAL



SURVIVAL RATES

ARMY ENLISTED
OCCUPATION: TOTAL



B. NAVY ENLISTED OCCUPATIONAL GROUP DEFINITION.

1. Occupation: Gun Crews and Seamanship Specialists
QRMC Category: 126 DoD Occupation Code: 04,05,06

This occupational category includes the following subcategories: Artillery and Gunnery, General Air Crew and Seamanship Specialties. The current objective endstrength for this category is 29,934, which is 6.2% of total objective enlisted endstrength.

2. Occupation: Electronic Equipment Repairmen
QRMC Category: 127 DoD Occupation Code: 10,11,12,13,16,19

This occupation includes a number of subcategories responsible for the maintenance and repair of various types of electronic equipment. The following subcategories are included: Radio and Radar Technicians, Fire Control Electronic Systems Repairmen, Missile Guidance Control and Checkout, Sonar Equipment, ADP Computers, Teletype and Cryptographic Equipment and Other Electronic Equipment. The current objective endstrength enlisted endstrength.

3. Occupation: Communications and Intelligence Specialists
QRMC Category: 128 DoD Occupation Code: 20,21,22,23,24,26

This occupation includes the operation and monitoring of radio, radio teletype, radar, sonar and allied communications and intelligence consoles. The gathering and interpretation of photographic, electronic and documentary intelligence are also included. The following subcategories are included: Radiomen, Sonar Operator, Radar and Air traffic Controllers, Signal Intelligence and Electronics Warfare Technicians, Intelligence Specialists and Communications Center Operations. The current objective endstrength for this category is 56,799 which is 11.8% of total objective enlisted endstrength.

4. Occupation: Medical and Dental Specialists
QRMC Category: 129 DoD Occupation Code: 30,31,32,33

This occupation includes the technologists, technicians, administrators and assistants that specialize in patient care and treatment and in technical and related medical and dental services. The following subcategories are included: Medical Care, Technical Medical Services, and Related medical Services. The current objective endstrength for this category is 27,705 which is 5.8% of total objective enlisted endstrength.

5. Occupation: Other Technical and Allied Specialists
QRMC Category: 130 DoD Occupation Code: 40,41,42,43,45,49

This occupation includes specialists in technical and related skills that are not otherwise classified. The subcategories included are: Photographers, surveyors, Cartographers, Meteorologists, Ordance Disposal and Diving, and Musicians. The current objective endstrength for this category is 6,072 which is 1.3% of total objective enlisted endstrength.

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6. Occupation: Functional Support and Administration
QRMC Category: 131 DoD Occupation Code: 50,51,52,53,54, 55,56,57

This occupation includes general and specialized administrative, clerical and personnel support jobs. This also includes administrative specialists in data processing, information, supply, and functional support in transportation, flight operations, religion, theater, arts, sports and other areas. The current objective endstrength for this category is 67,135, which is 14.0% of total objective enlisted endstrength.

7. Occupation: Electrical/Mechanical Equipment Repairmen
QRMC Category: 132 DoD Occupation Code: 60,62,63,64,65, 66,67,69

This occupation includes specialists in the maintenance and repair of electrical, mechanical, hydraulic, and pneumatic equipment. The subcategories included are Aircraft Repairmen, Wire Communications Repairmen, Mechanical and Electrical Missile Repair, Nuclear Weapons Maintenance and Assembly, Shipboard Propulsion, Power Generating Equipment, Precision Equipment Repair and Other Mechanical and Electrical Equipment Repair. The current objective endstrength for this category is 155,031 which is 32.3% of total objective enlisted endstrength.

8. Occupation: Craftsmen
QRMC Category: 133 DoD Occupation Code: 70,71,72,74,75, 76,79

This occupation includes personnel responsible for the formation, fabrication, and installation of components, the installation and maintenance of utilities, and related trades and crafts. The subcategories included are: Metal Workers, Construction Specialists, Utilities, Lithographers, Industrial Gas and Fuel Production, Rubber & Plastics Workers, and other Craftsmen. The current objective endstrength for this category is 28,324, which is 5.9% of total objective enlisted endstrength.

9. Occupation: Service and Supply Handlers
QRMC Category: 134 DoD Occupation Code: 80,82,83,84,86

This occupation includes personnel involved in protective and personnel services and non-clerical personnel involved in warehousing, food handling, and motor transportation. The following subcategories are included: Food service Specialist, Store Sales, Law Enforcement, Personal Services, and Aircrew Survival Equipmentmen. The current objective endstrength for this category is 30,622, which is 6.4% of total objective enlisted endstrength.

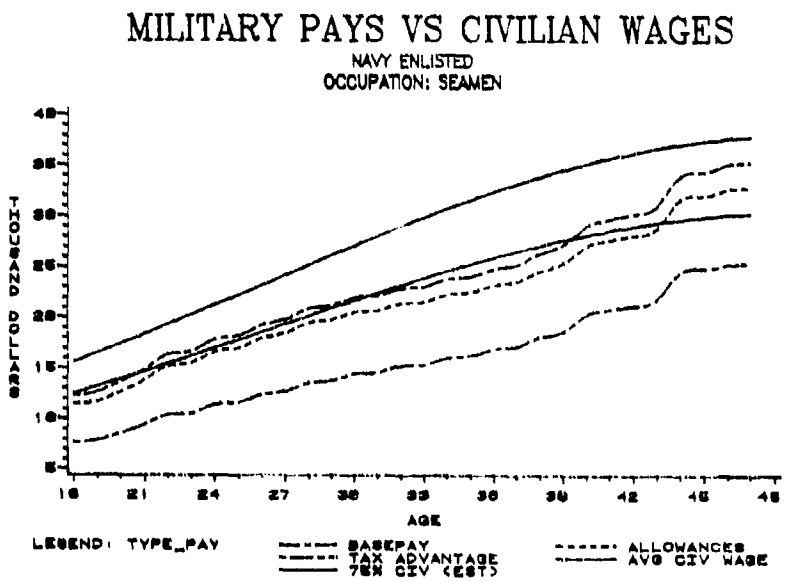
10. Occupation: Non-Occupational
QRMC Category: 135 DoD Occupation Code: 95

This occupation includes students and trainees who for various reasons are not occupationally qualified.

List of Figures (Navy Enlisted)

N-III.B.	1.	Navy Gun Crews and Seamanship Specialists
N-III.B.	2.	Navy Electronic Equipment Repairmen
N-III.B.	3.	Navy Communications and Intelligence Specialists
N-III.B.	4.	Navy Medical and Dental Specialists
N-III.B.	5.	Navy Other Technical and Allied Specialists
N-III.B.	6.	Navy Functional Support and Administration
N-III.B.	7.	Navy Electrical/Mechanical Equipment Repairmen
N-III.B.	8.	Navy Craftsmen
N-III.B.	9.	Navy Service and Supply Handlers
N-III.B.	10.	Navy Non-Occupational Students
N-III.B.	11.	Navy Total Enlisted

Figure N-III.B.1
Navy Gun Crews and Seamanship Specialists



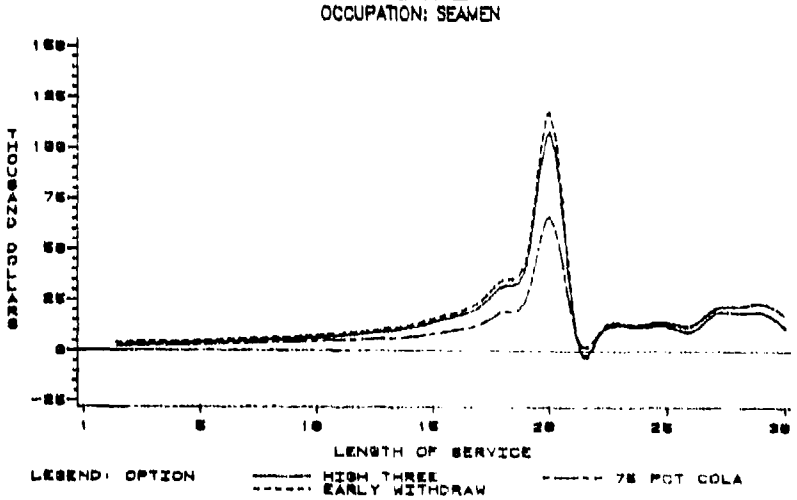
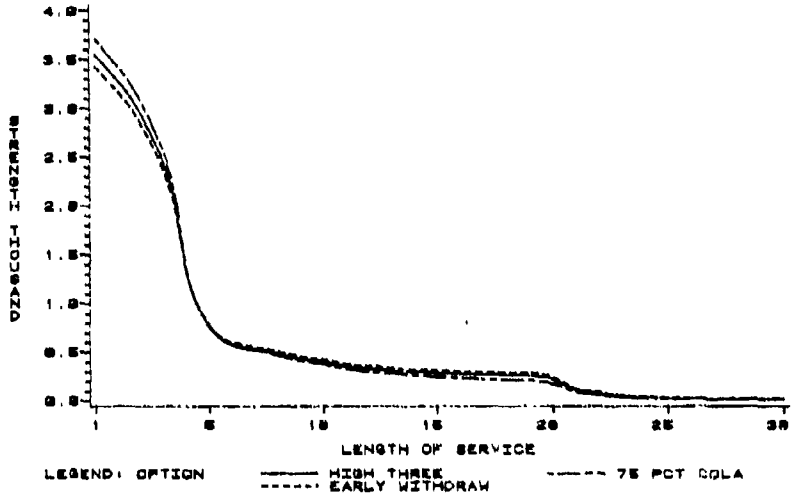


Figure N-III.B.1 (Cont)

FORCE STRUCTURE

NAVY ENLISTED
OCCUPATION: SEAMEN



SURVIVAL RATES

NAVY ENLISTED
OCCUPATION: SEAMEN

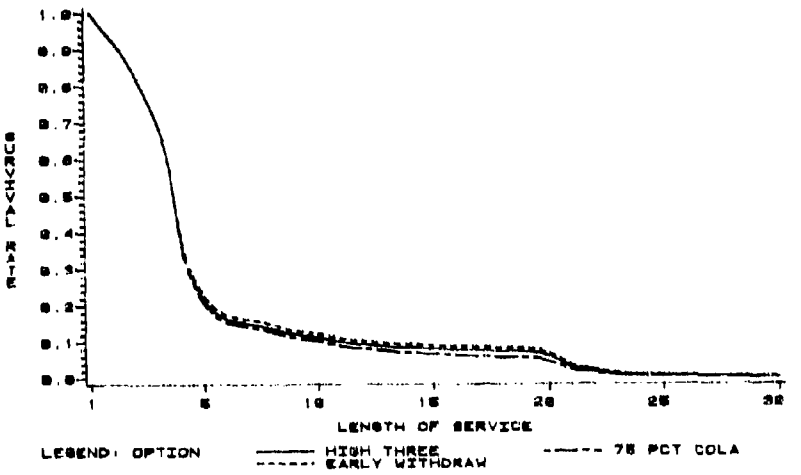
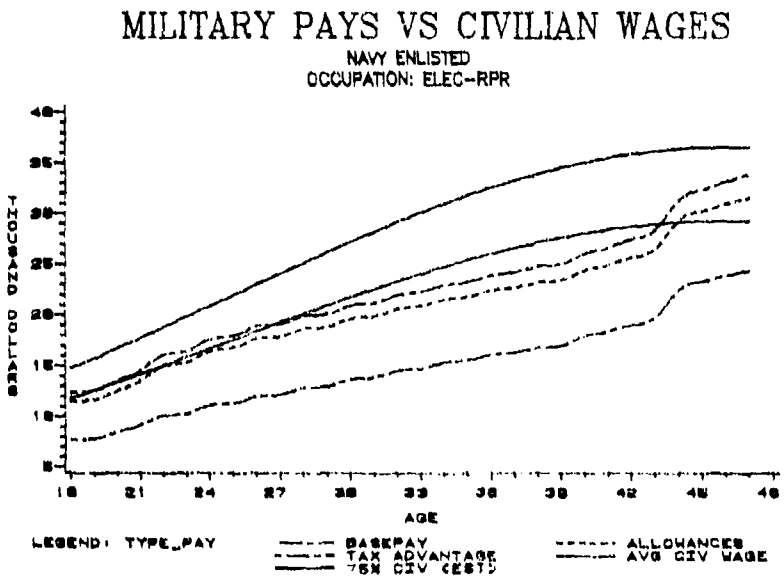
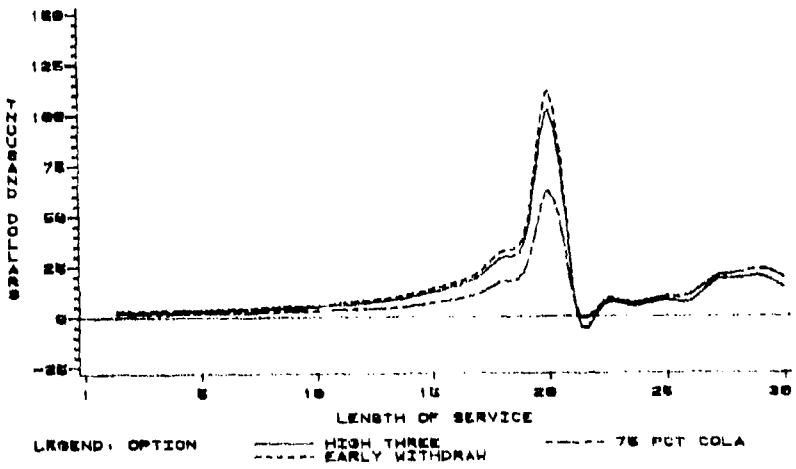


Figure N-III.B.2
Navy Electronic Equipment Repairmen





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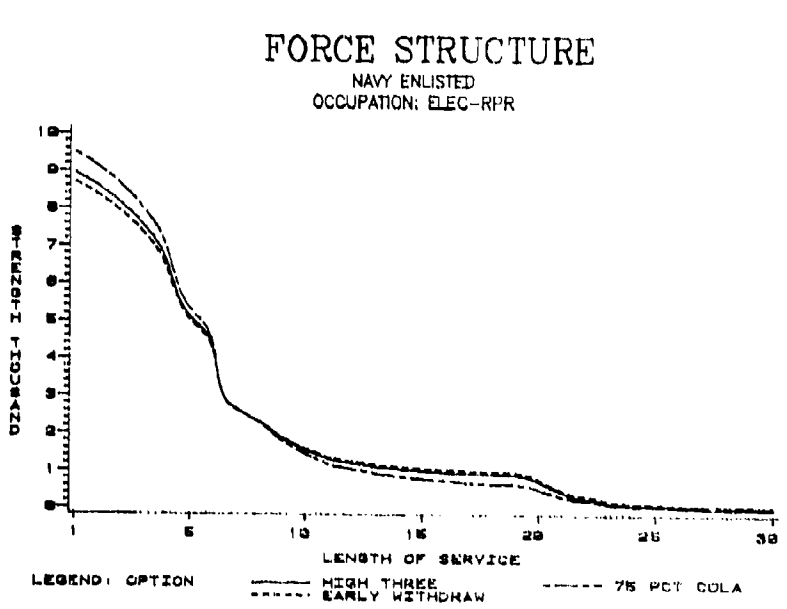


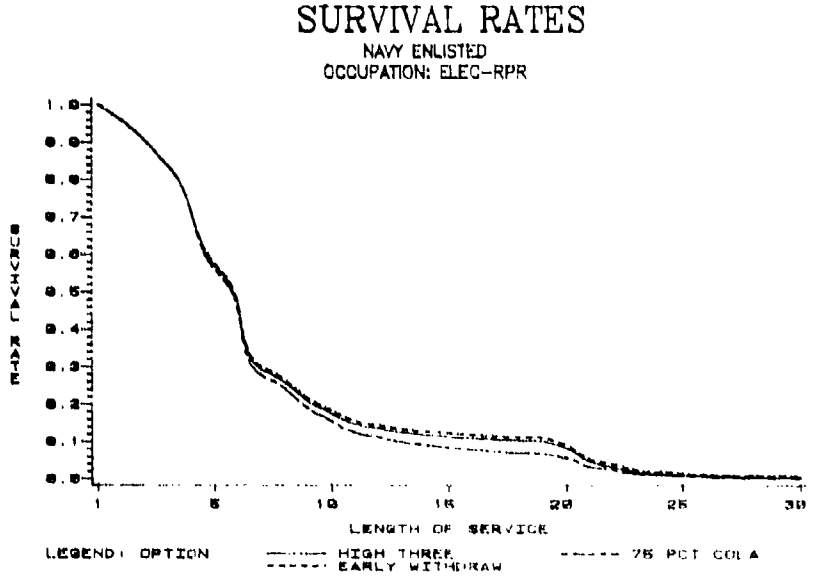
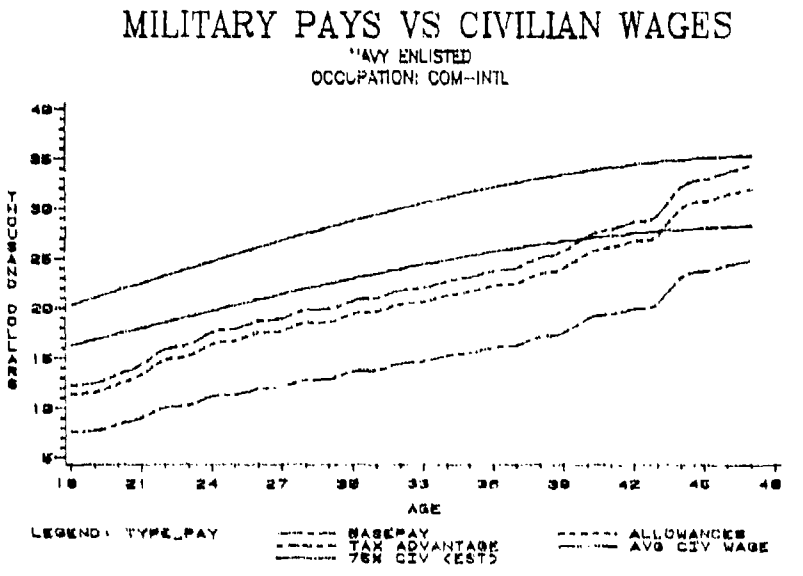
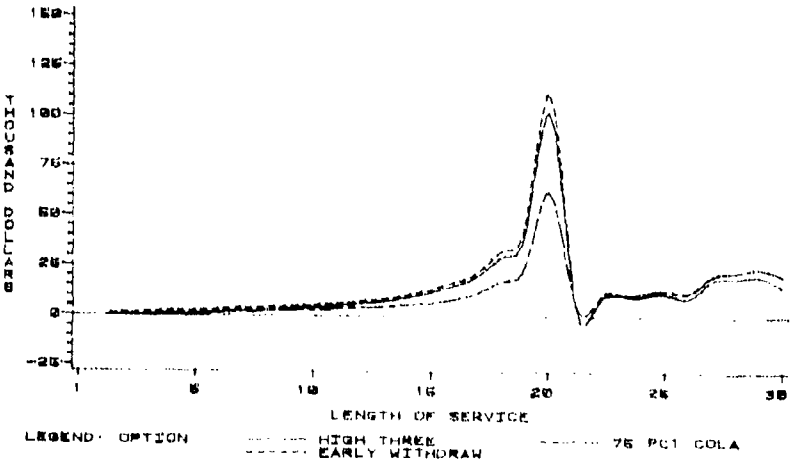


Figure N-III.B.3
Navy Communications and Intelligence Specialists





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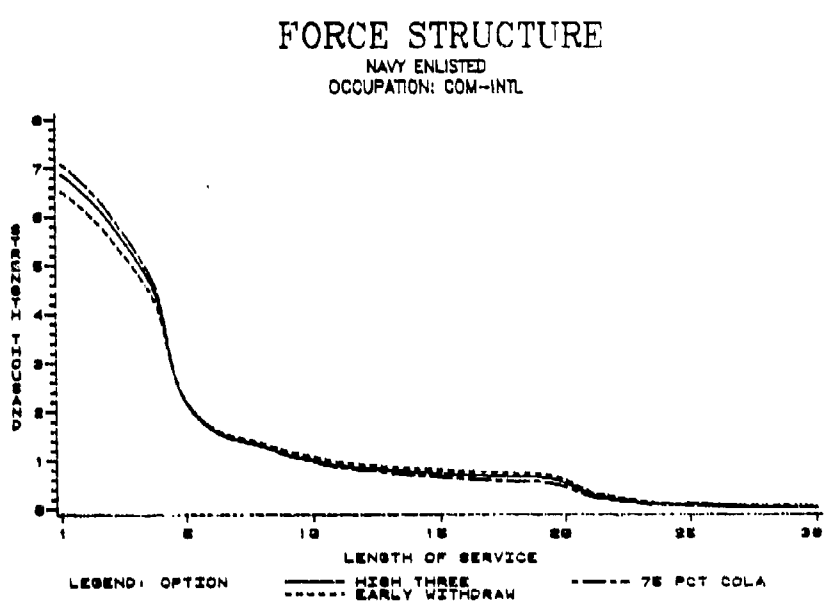


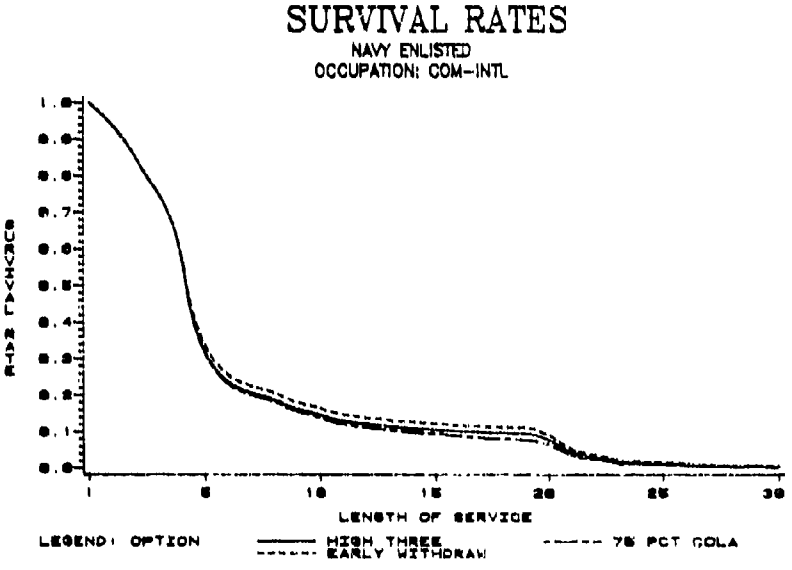
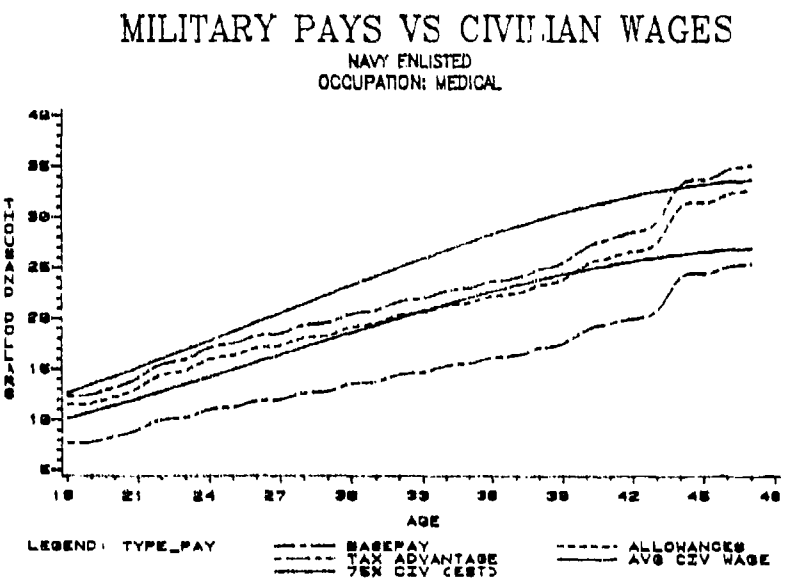


Figure N-III.B.4
Navy Medical and Dental Specialists



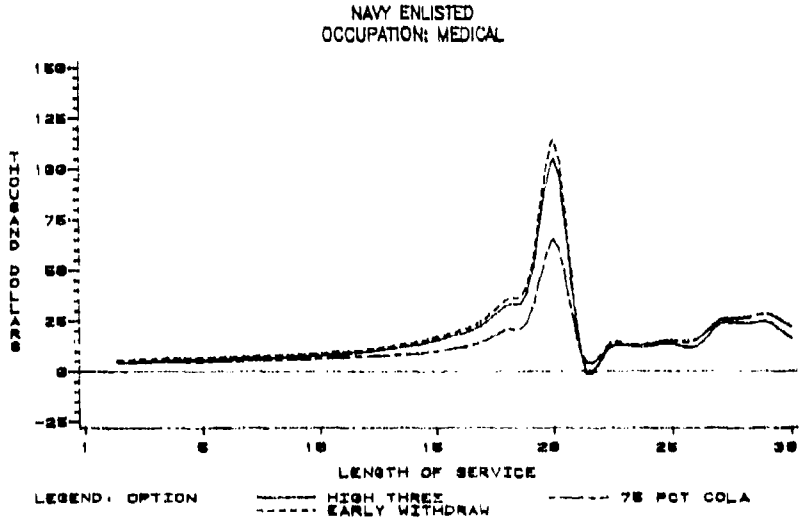
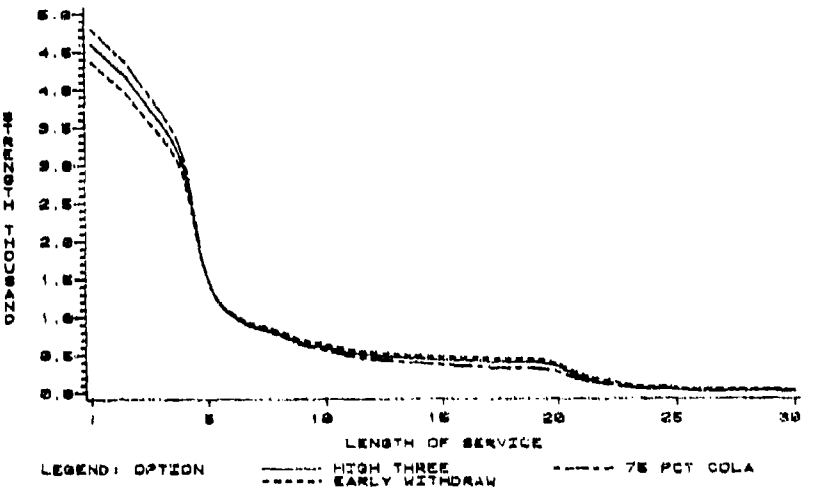


Figure N-III.B.4 (Cont)

FORCE STRUCTURE

NAVY ENLISTED
OCCUPATION: MEDICAL



SURVIVAL RATES

NAVY ENLISTED
OCCUPATION: MEDICAL

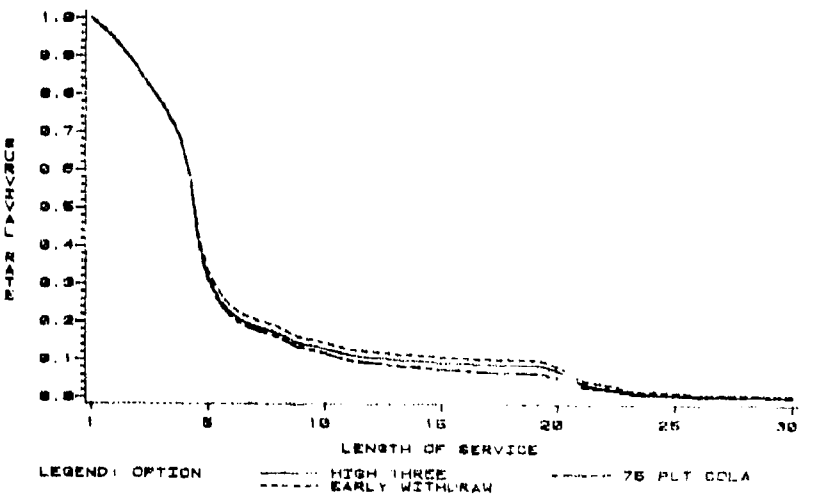
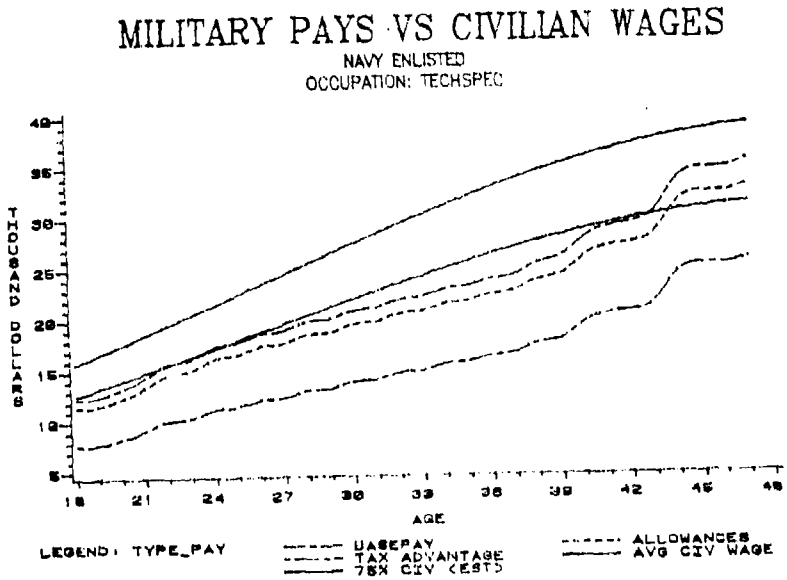


Figure N-III.B.5
Navy Other Technical and Allied Specialists



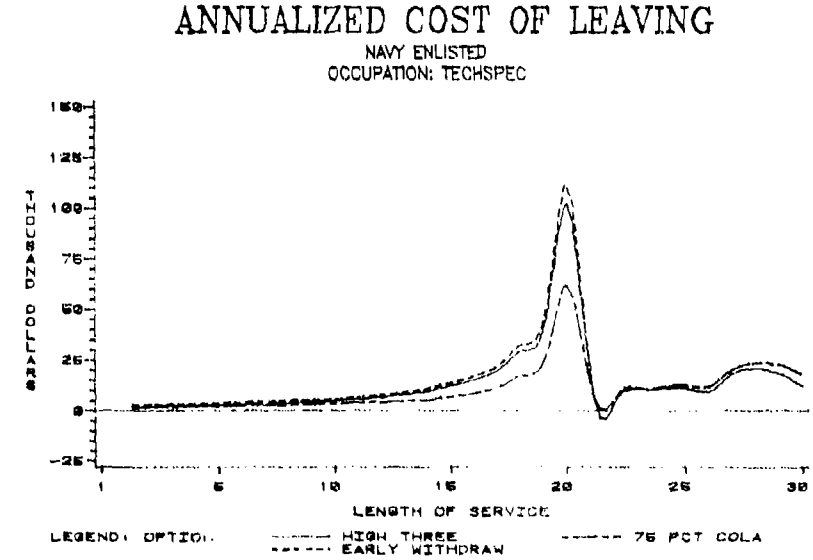
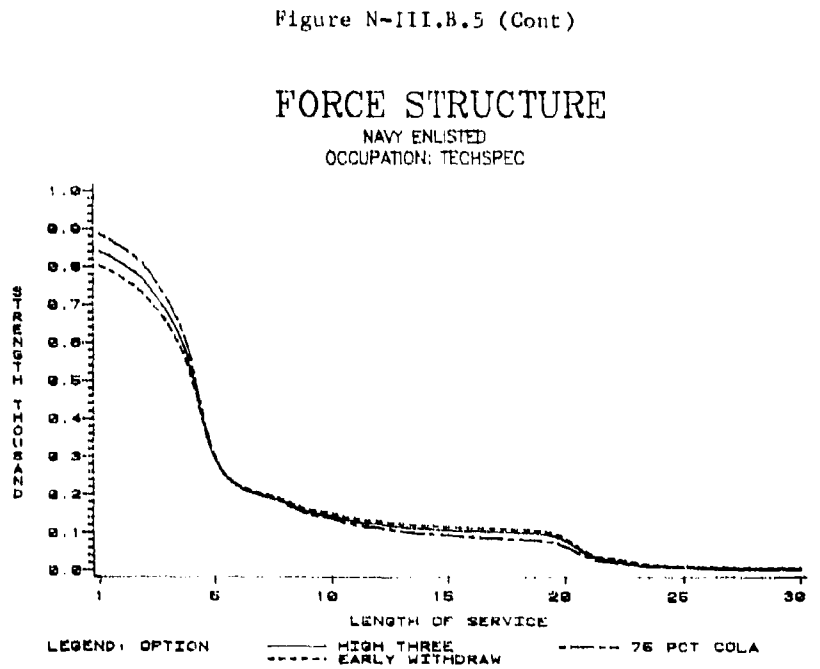


Figure N-III.B.5 (Cont)



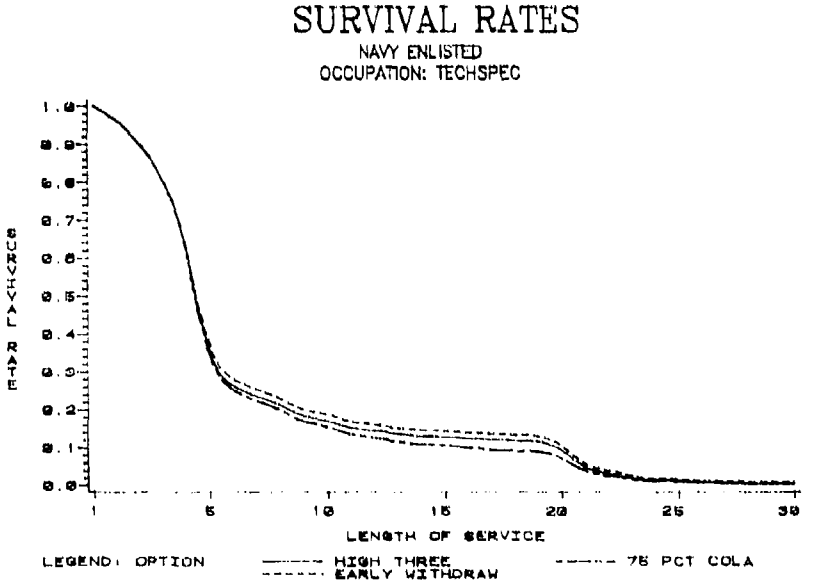
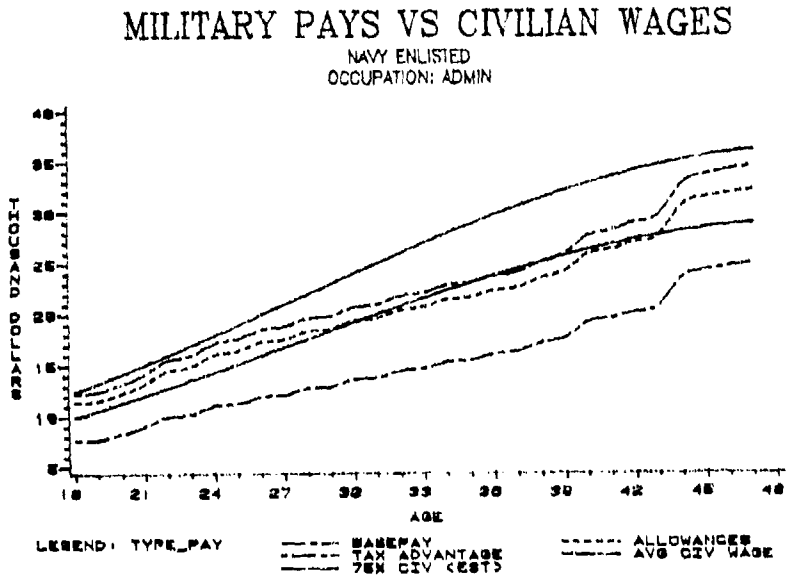


Figure N-III.B.6
Navy Functional Support and Administration



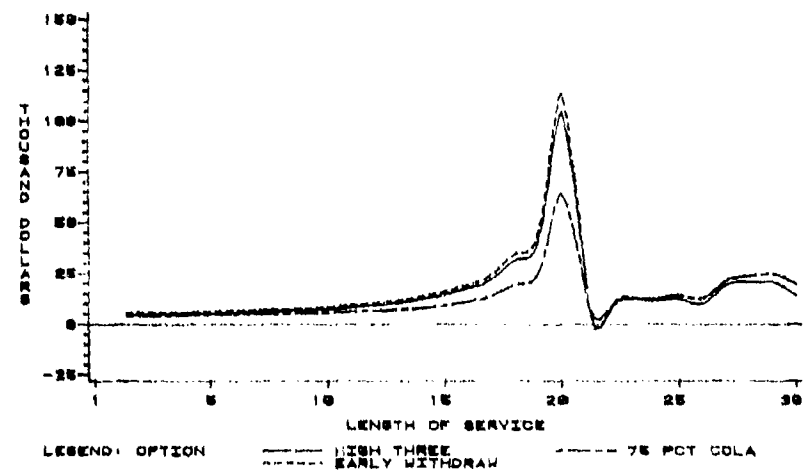
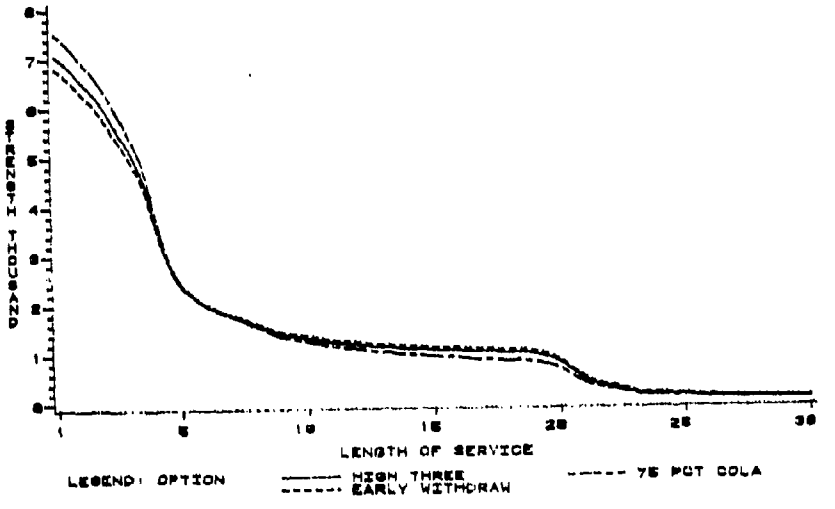


Figure N-III.B.6 (Cont)

FORCE STRUCTURE

NAVY ENLISTED
OCCUPATION: ADMIN



SURVIVAL RATES

NAVY ENLISTED
OCCUPATION: ADMIN

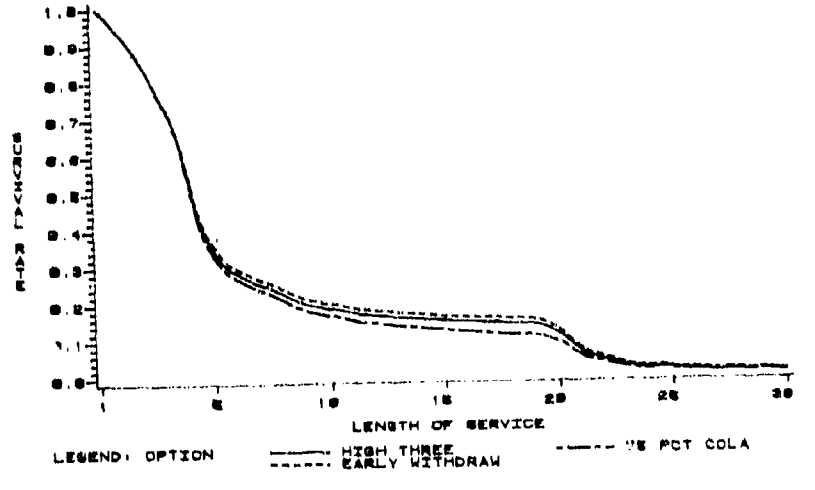
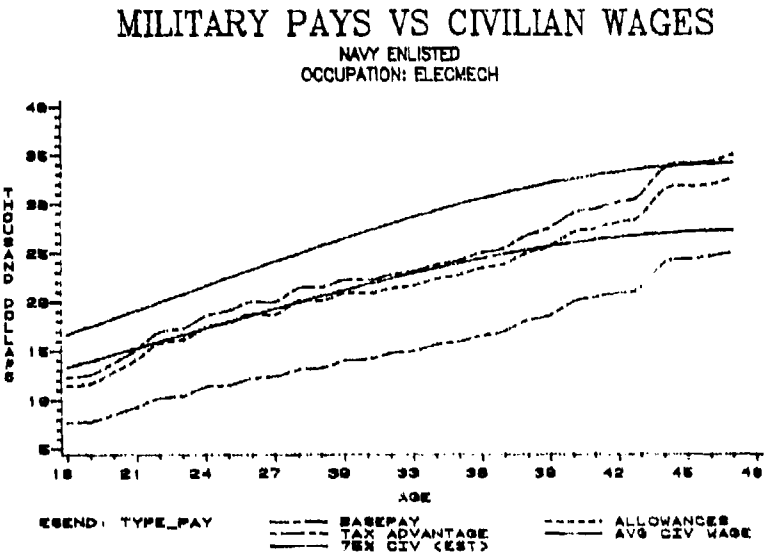
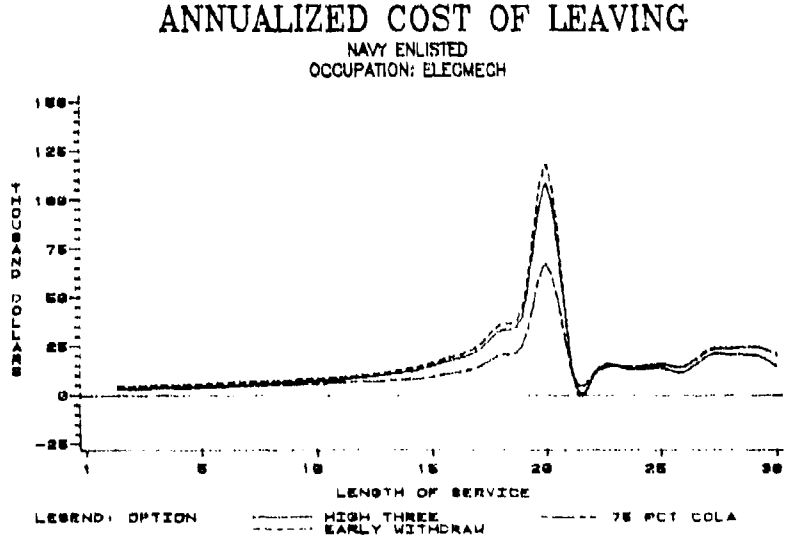


Figure N-III.B.7
Navy Electronical/Mechanical Equipment Repairmen





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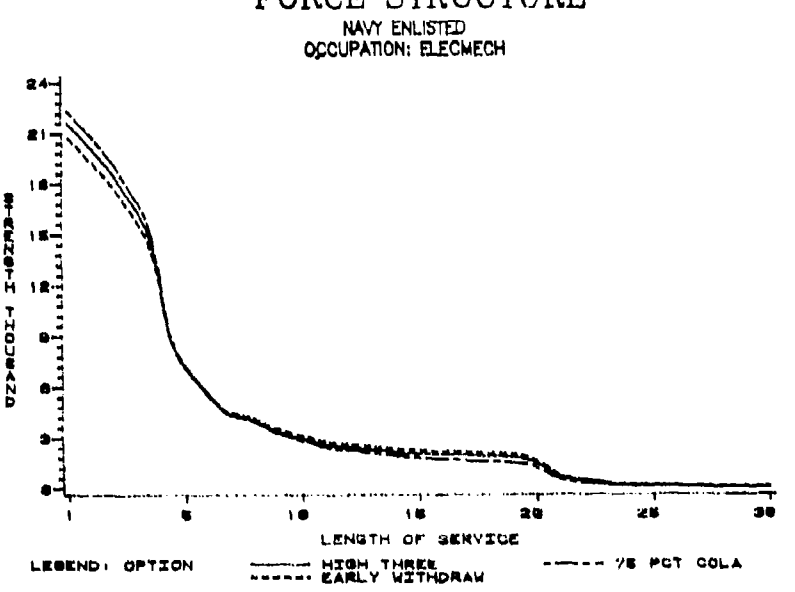


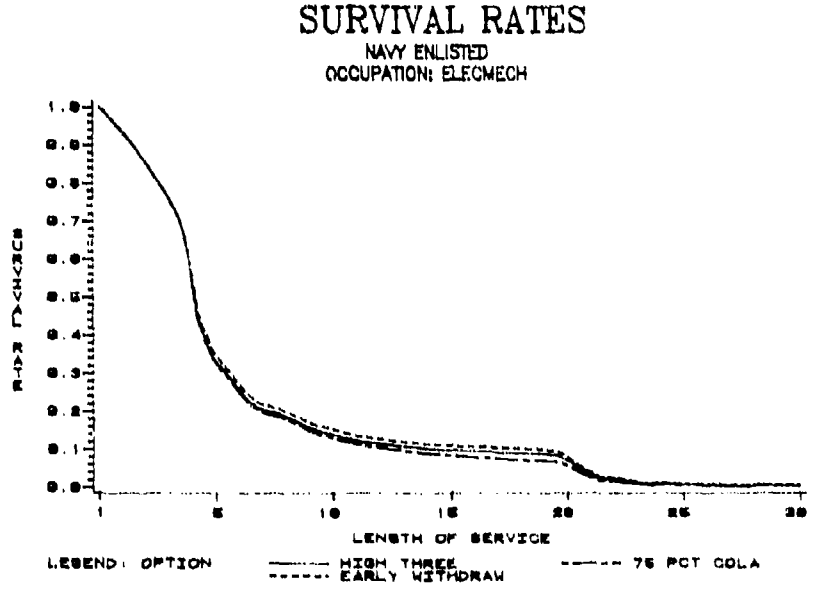
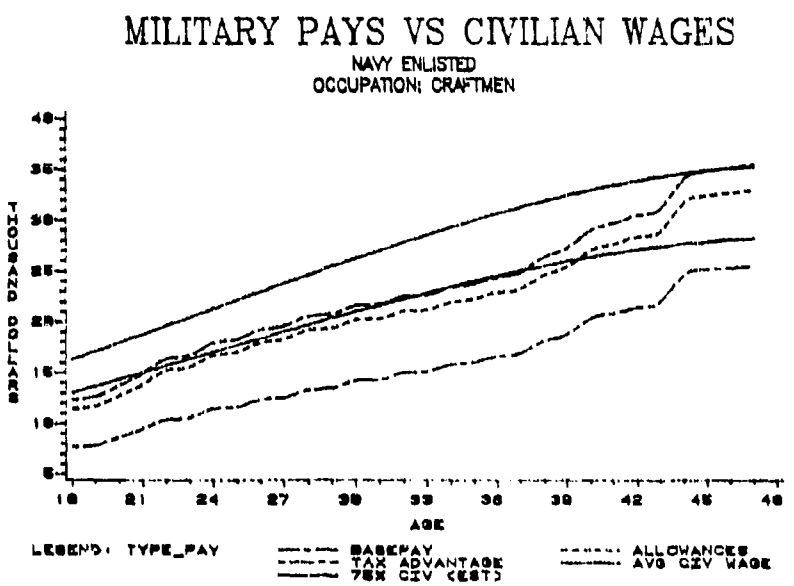


Figure N-III.B.8
Navy Craftsmen



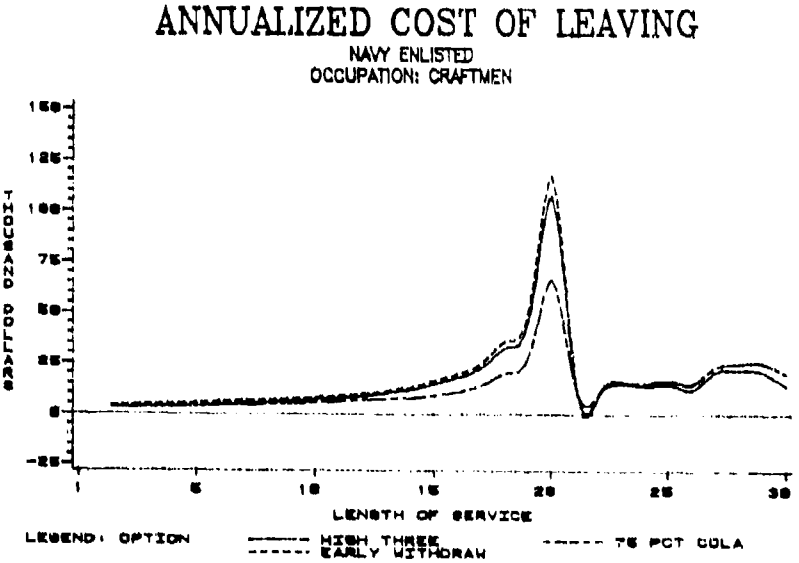
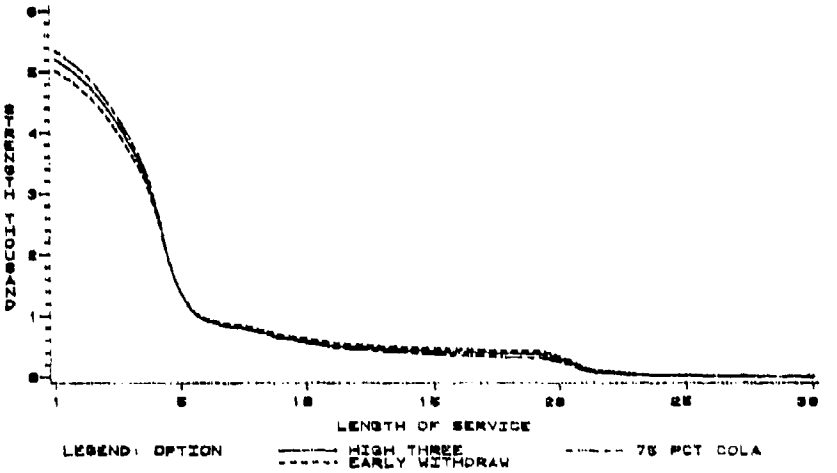


Figure N-III.B.8 (Cont)

FORCE STRUCTURE

NAVY ENLISTED
OCCUPATION: CRAFTMEN



SURVIVAL RATES

NAVY ENLISTED
OCCUPATION: CRAFTMEN

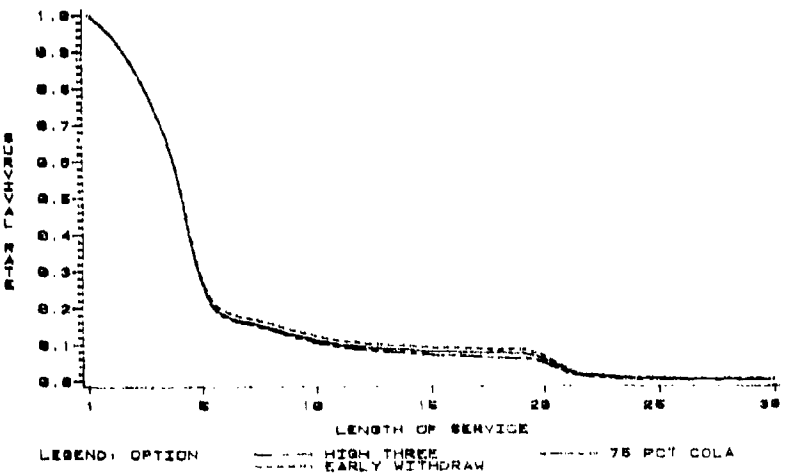
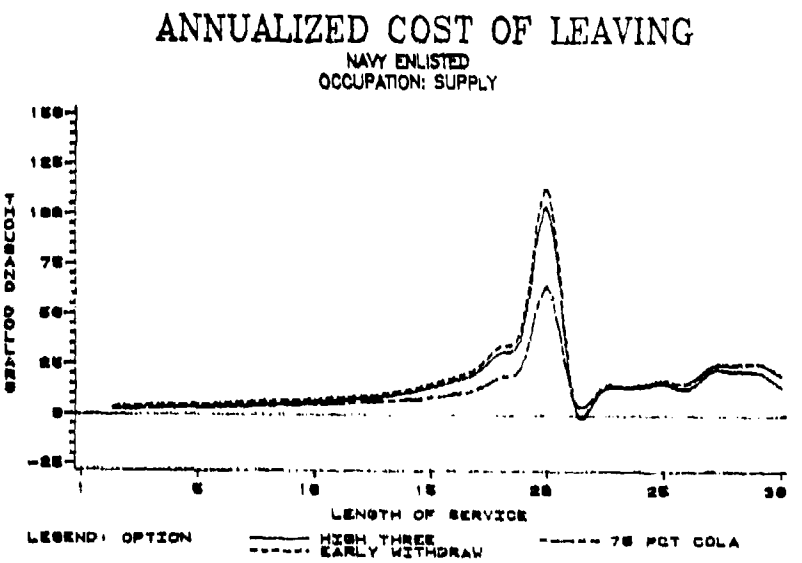


Figure N-III.B.9
Navy Service and Supply Handlers



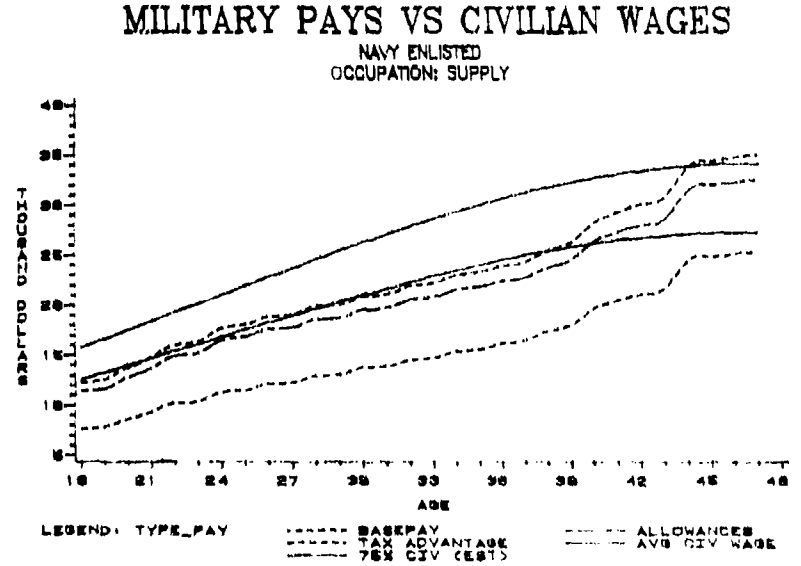
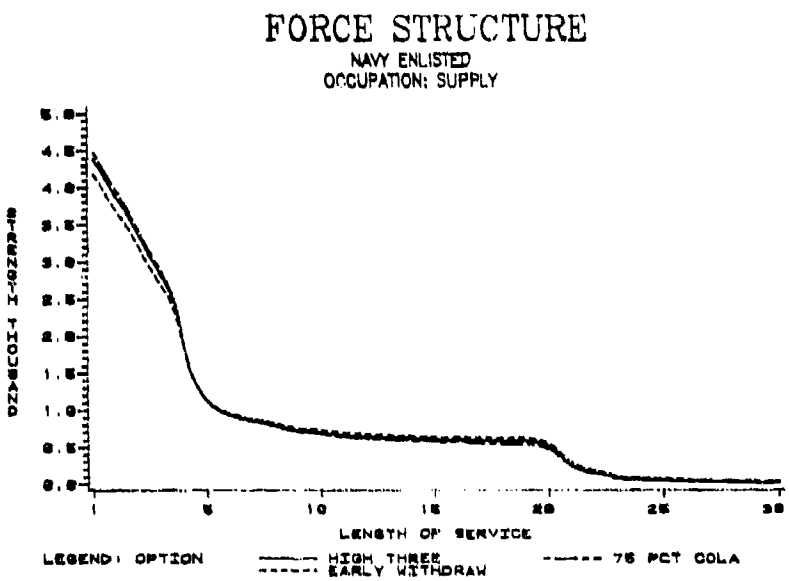


Figure N-III.B.9 (Cont)



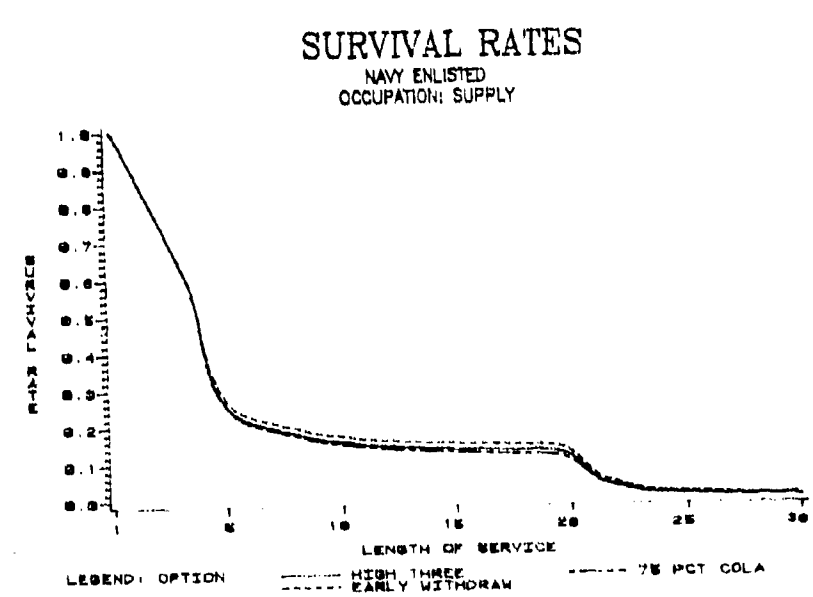
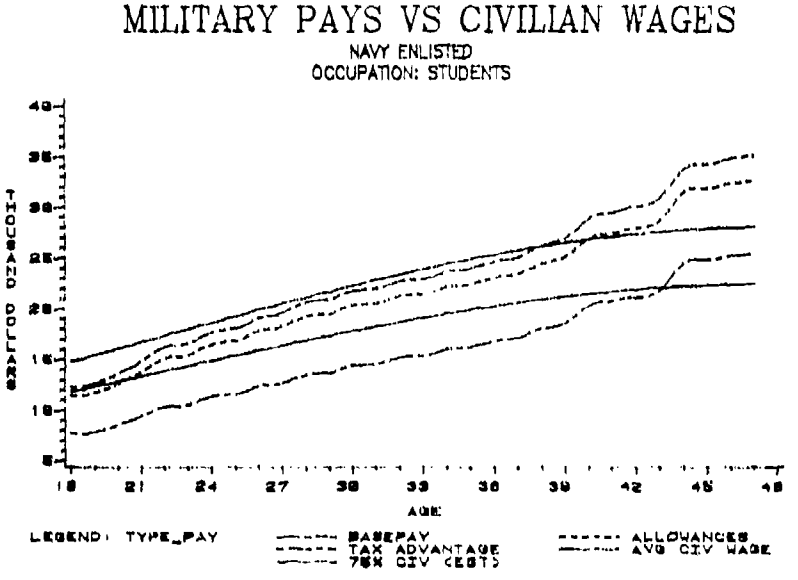
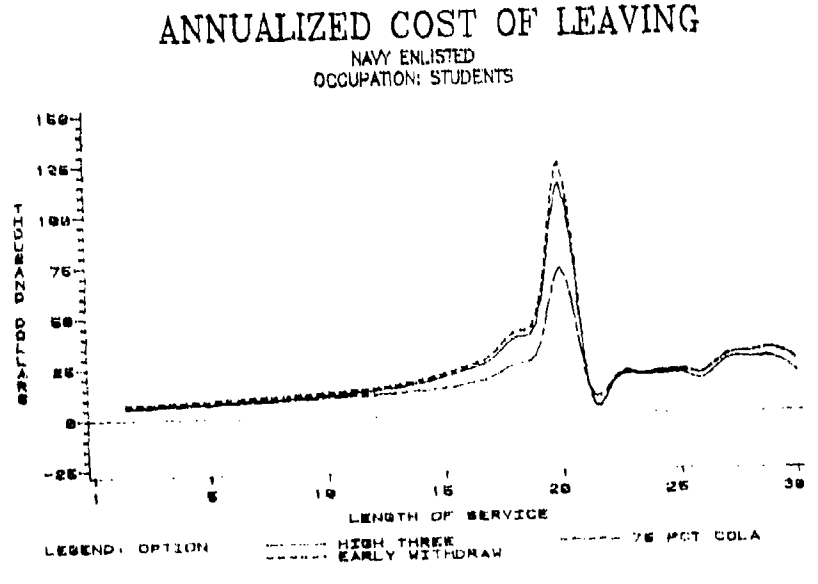


Figure N-III.B.10
Navy Non-Occupational Students





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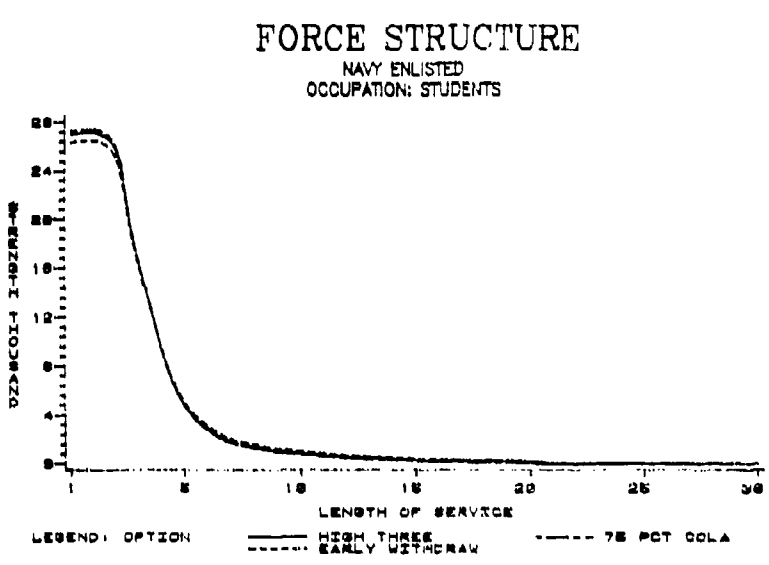


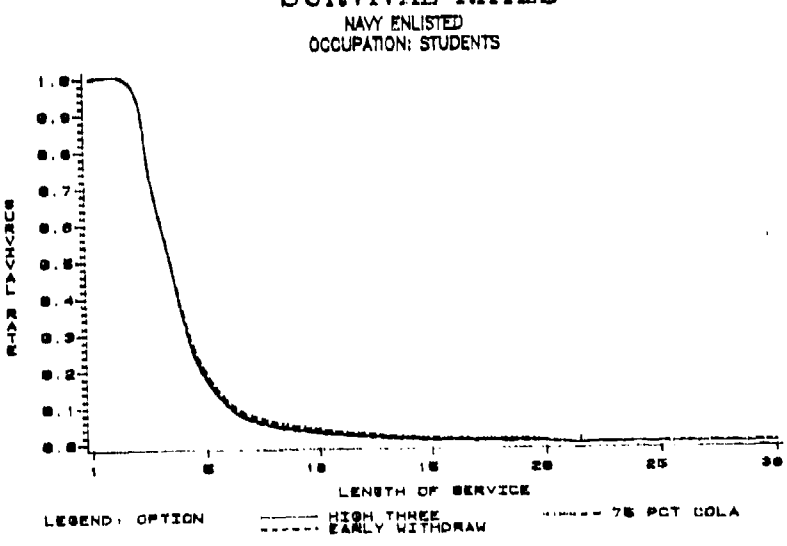
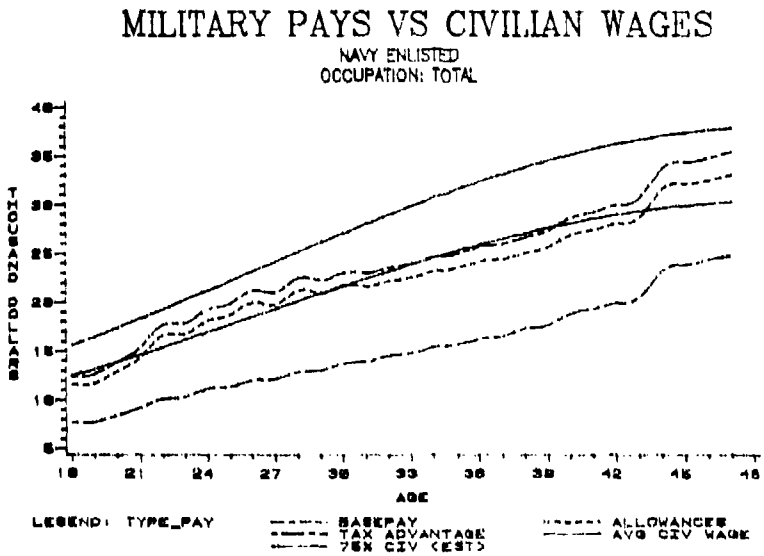
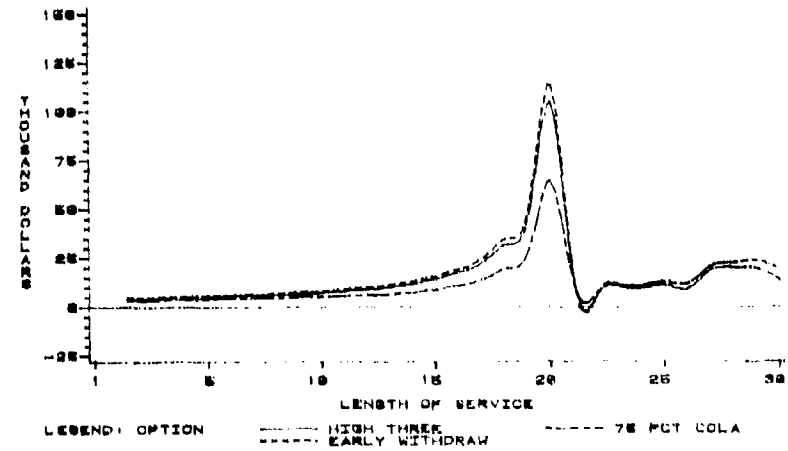


Figure N-III.B.11
Navy Total Enlisted





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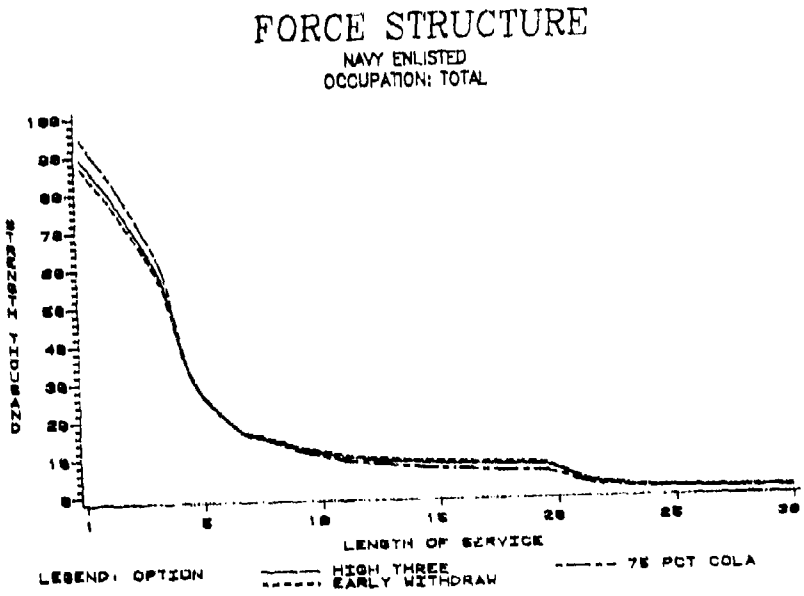

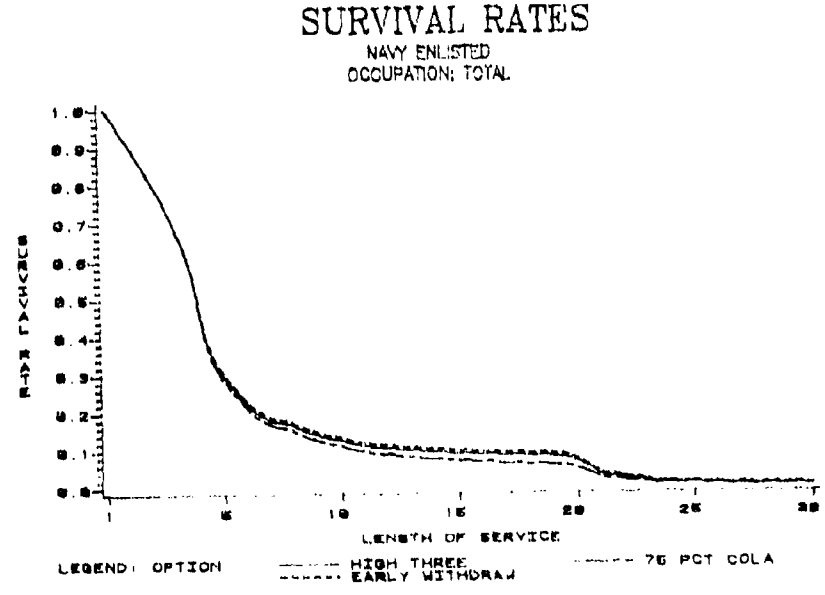

C. USMC ENLISTED OCCUPATIONAL GROUP DEFINITION.

1. Occupation: Infantry and Gun Crews (Enlisted)
QRMC Category 126 DoD Occupation Codes: 01, 02, 03, 04, 05

This occupational category includes the following subcategories of Marines: infantrymen, tank and amphibian tractor crews, combat engineers, shore party, artillery crews, aircraft flight engineers, and crew chiefs. This DoD occupational category also includes parachute and scuba qualified personnel as well as drill instructors, marksmanship instructors and water/survival instructors. However, Marines in these subcategories fill them as billet assignments and are not included if their occupational field does not fall into this DoD category. The total for this category is 41,427 which is 23.9% of the current objective enlisted endstrength.

2. Occupation: Electronic Equipment Repairmen (Enlisted)
QRMC Category 127 DoD Occupation Code: 10, 12, 15, 16, 19

This occupational category includes the following subcategories of Marines: radio and radar repairmen, air traffic control, radar, and communications technicians, target acquisition and tracking radar specialists, aircraft weapon systems specialists, computer specialists, teletype and crytographic equipment technicians, and other electronics equipment repairmen. The total for this category is 11,816 which is 6.8% of the current objective enlisted endstrength.

3. Occupation: Communications and Intelligence Specialists (Enlisted)
QRMC Category 128 DoD Occupation Codes: 20, 22, 23, 24, 25, 26

This occupational category includes the following subcategories of Marines: radio and radar operators, air traffic controllers, signal intelligence/electronic warfare specialists, cryptologic linguist, interrogation and translation specialists, language and imagery interpreters, intelligence and counterintelligence specialists, artillery operations personnel, and communication personnel. The total for this category is 13,167 which is 7.6% of the current objective enlisted endstrength.

4. Occupation: Other Technical and Allied Specialists (Enlisted)
QRMC Category 130 DoD Occupational Code: 40, 41, 42, 43, 45, 49

This occupational category includes the following subcategories of Marines: photographers and photographic/audio/audiovisual specialists, construction and geodetic surveyors, construction drafters, graphics specialists, weather and meteorological personnel, explosive ordnance disposal technicians, musicians, spectrometrics oil analysis technicians, nuclear, biological and chemical defense specialists, and firefighting/rescue specialists. The total for this category is 3,870 which is 2.2% of the current objective enlisted endstrength.

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5. Occupation: Functional Support and Administration (Enlisted)
QRMC Category 131 DoD Occupation Code: 51, 52, 53, 54, 55, 56, 57

This occupational category includes the following subcategories of Marines: unit diary and administrative clerks, legal services specialists, personnel/administrative clerks, sergeant majors/first sergeants, computer systems operators, aircraft maintenance data analysis technicians, computer programmers, auditing/accounting/ bookkeeping technicians, financial records and disbursing clerks, maintenance specialists, logistics specialists, supply clerks, purchasing and contracting specialists, freight and passengers transportation clerks, postal clerks, aviation operations specialists, training and audiovisual specialists, journalists and public affairs chiefs. This DoD occupational category also includes recruiters and drug and alcohol abuse counselors. Marines in these subcategories fill them as billet assignments and are not included if their occupational field does not fall into this DoD category. The total for this category is 26,391 which is 15.3% of the current objective enlisted endstrength.

6. Occupation: Electrical/Mechanical Equipment Repairman (Enlisted)
QRMC Category 132 DoD Occupational Code: 60. 61, 62, 63, 64, 67, 69

This occupational category includes the following subcategories of Marines: aircraft and helicopter mechanics, aircraft and helicopter engine mechanics, aircraft and helicopter safety equipment mechanics, aircraft and helicopter electical systems technicians, aircraft and helicopter structures mechanics, automotive/recovery/ground support equipment mechanics, tracked vehicle repairers, engineer equipment mechanics, field and construction wiremen, central office installers, telephone technicians, small missile systems technicians weapons and ordnance technicians, infantry/artillery/tank weapons repairmen, ground nuclear ordnance technicians, aircraft ordnance technicians, office machine repairmen, optical equipment technicians, and reproduction equipment repairmen. The total for this category is 31,668 which is 18.3% of the current objective enlisted endstrength.

7. Occupation: Craftsman (Enlisted)
QRMC Category 133 DoD Occupation Code: 70, 71, 72, 74, 75, 76

This occupational category includes the following subcategories of Marines: metal workers, aircraft welders, body repair mechanics, machinists, well drillers, engineer equipment operators, refrigeration and utilities mechanics, electrical equipment repairmen, offset press operators, camera process operators, cryogenics equipment operators, and fabric repair specialists. The total for this category is 5,374 which is 3.1% of the current objective enlisted endstrength.

8. Occupation: Service and Supply Handlers (Enlisted)
QRMC Category 134 DoD Occupational Code: 80, 81, 82, 83, 84, 86

This occupational category includes the following subcategories of Marines: bakers, cooks, food service specialists, club managers, motor vehicle operators, bulk fuel specialists, warehouse and packaging specialists, exchange operators, military police and dog handlers, corrections specialists, criminal investigators, hygience equipment operators, and air delivery/flight equipment specialists. The total for this category is 24,375 which is 14.1% of the current objective enlisted end strength.

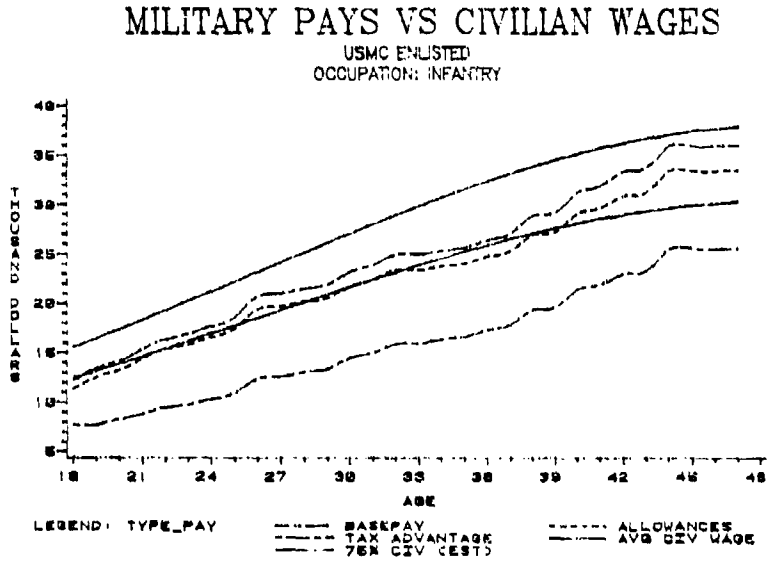
9. Occupation: Non-Occupational (Enlisted)
QRMC Category 135 DoD Occupational Code: 95

This occupational category contains Marines in the subcategory "not occupationally qualifed." This subcategory consists of aircraft and helicopter mechanic trainees, aircraft communications and electrical systems trainees, avioncis technician trainees, aerial camera systems trainees, aircraft ordnance technician trainees, air support/control/ anti-air trainees, air traffic control and enlisted flight crews trainees and all other basic military occupation specialty trainees. The total for this category is 14,981 which is 8.7% of the total current objective enlisted endstrength.

List of Figures (USMC Enlisted)

N-III.C. 1. USMC Infantry and Gun Crews
N-III.C. 2. USMC Electronic Equipment Repairmen
N-III.C. 3. USMC Communications and Intelligence Specialists
N-III.C. 4. USMC Other Technical and Allied Specialists
N-III.C. 5. USMC Functional Support and Administration
N-III.C. 6. USMC Electrical/Mechanical Equipment Repairmen
N-III.C. 7. USMC Craftsmen
N-III.C. 8. USMC Service and Supply Handlers
N-III.C. 9. USMC Non-Occupational Students
N-III.C. 10. USMC Total Enlisted

Figure N-III.C.1
USMC Infantry and Gun Crews



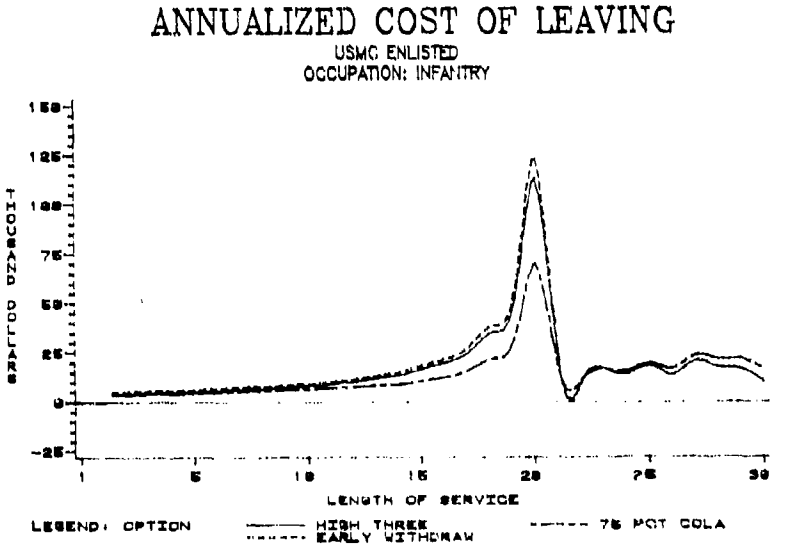
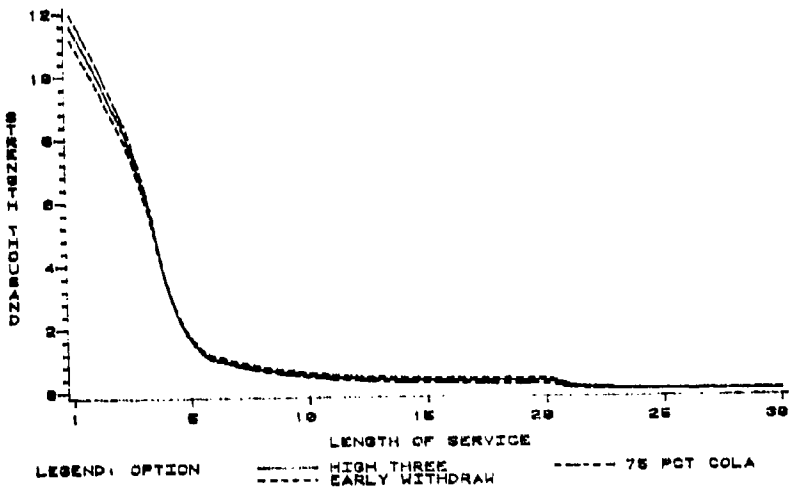


Figure N-III.C.1 (Cont)

FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: INFANTRY



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: INFANTRY

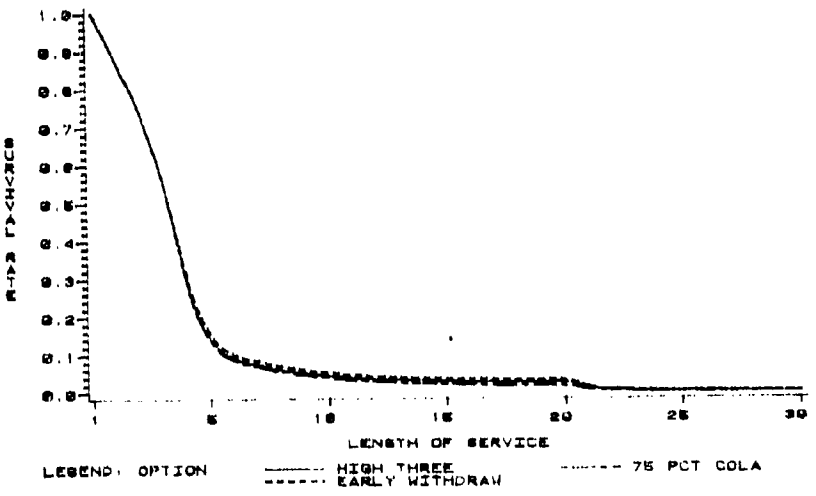
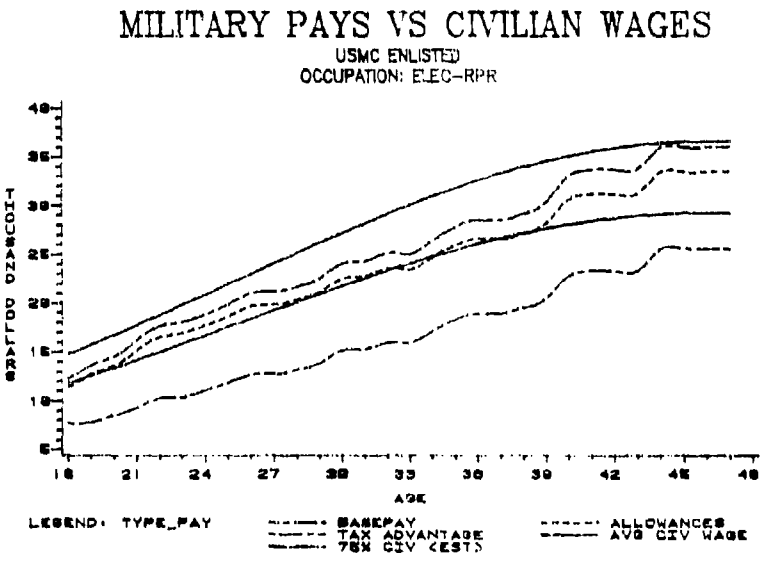
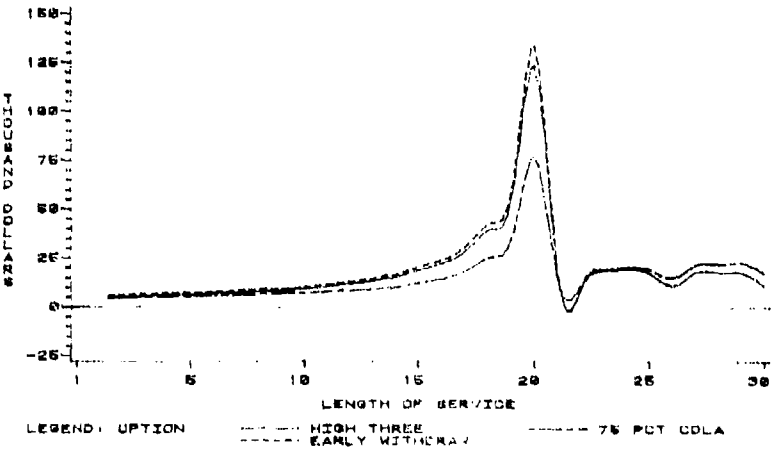


Figure N-III.C.2
USMC Electronic Equipment Repairmen





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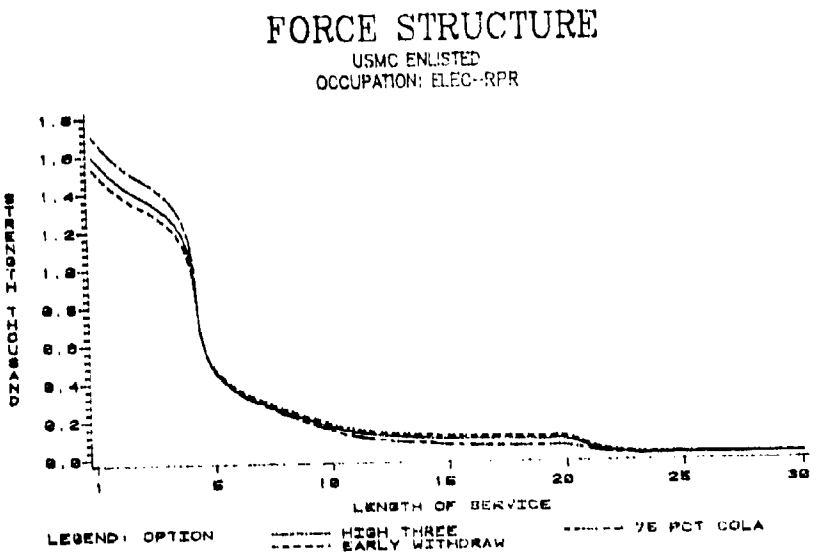


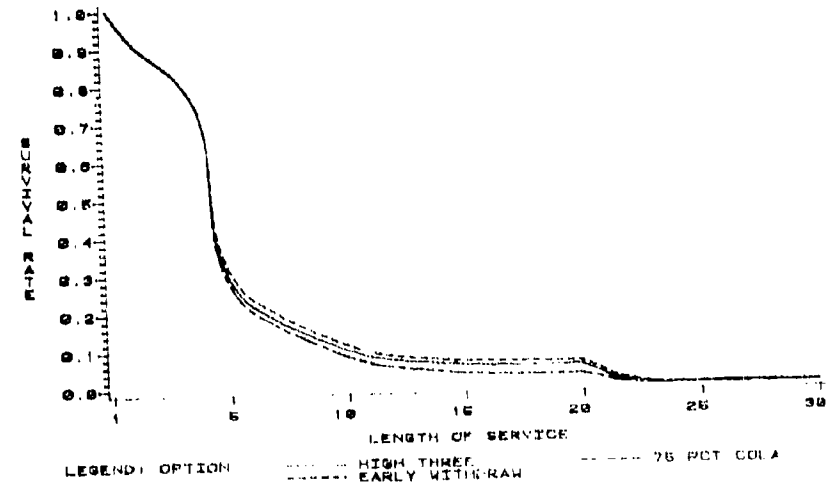
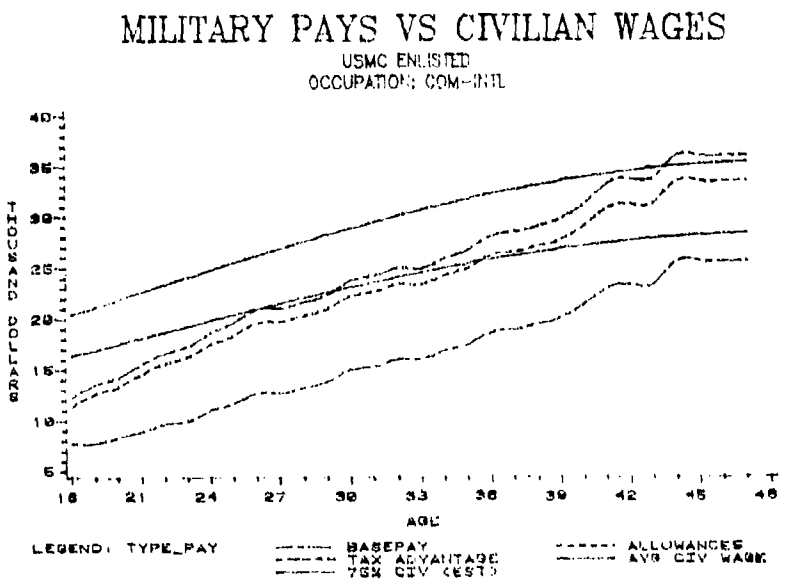
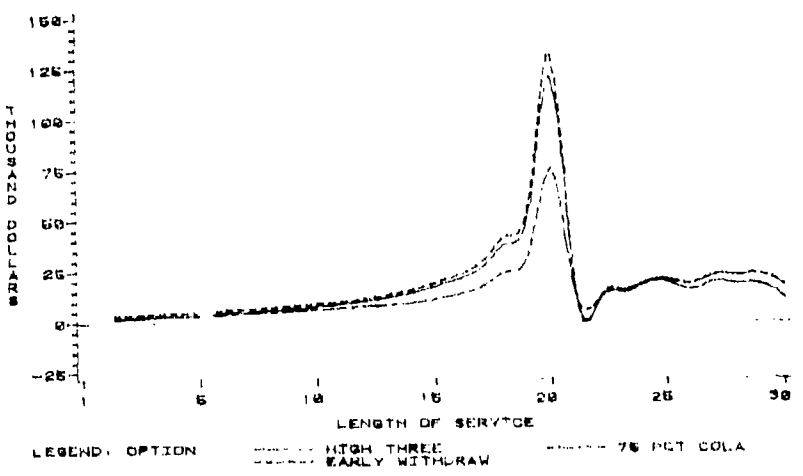


Figure N-III.C.3
USMC Communications and Intelligence Specialists





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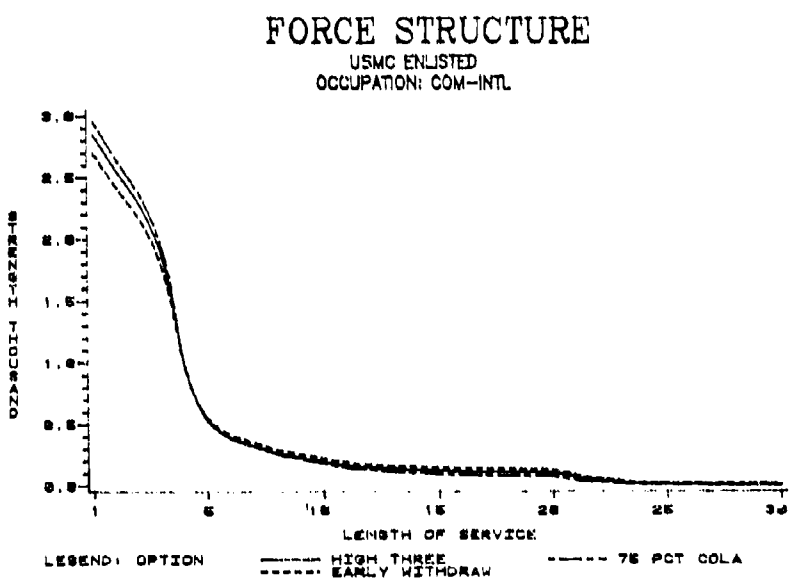


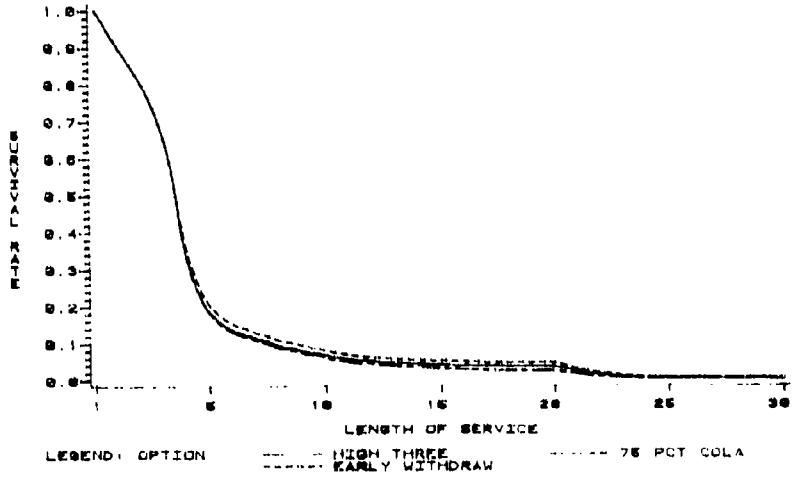
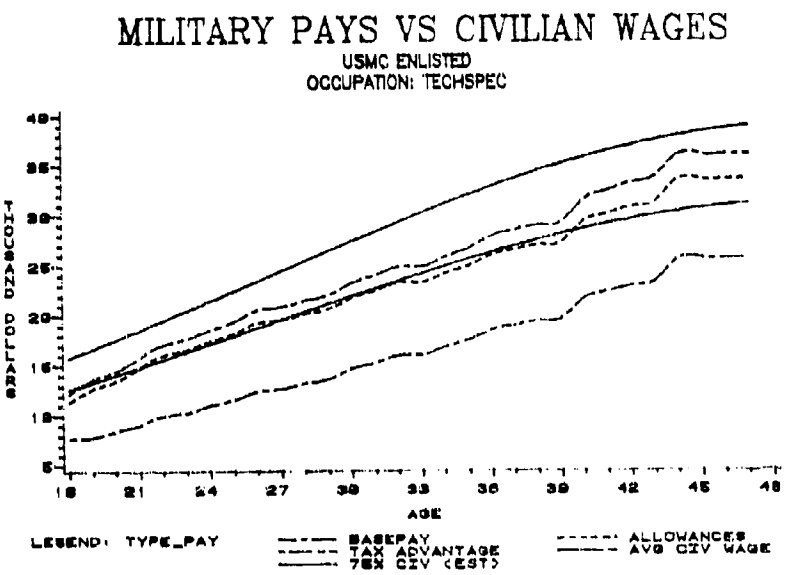
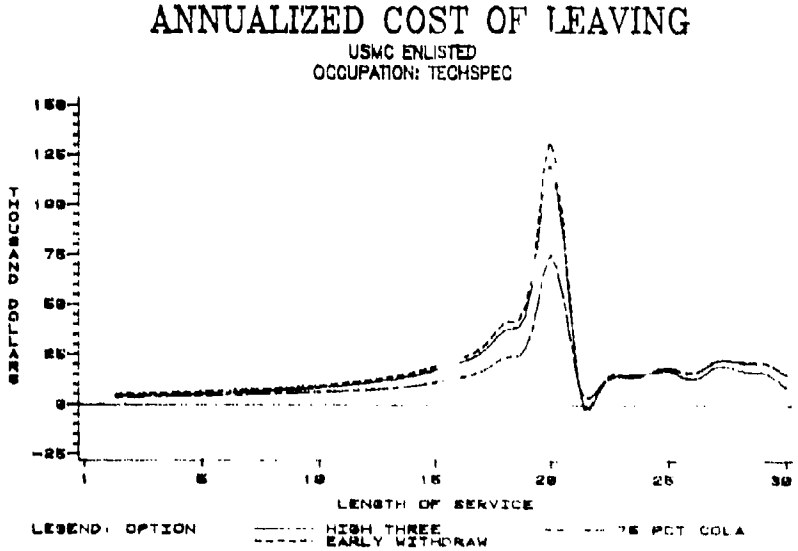


Figure N-III.C.4
USMC Other Technical and Allied Specialists





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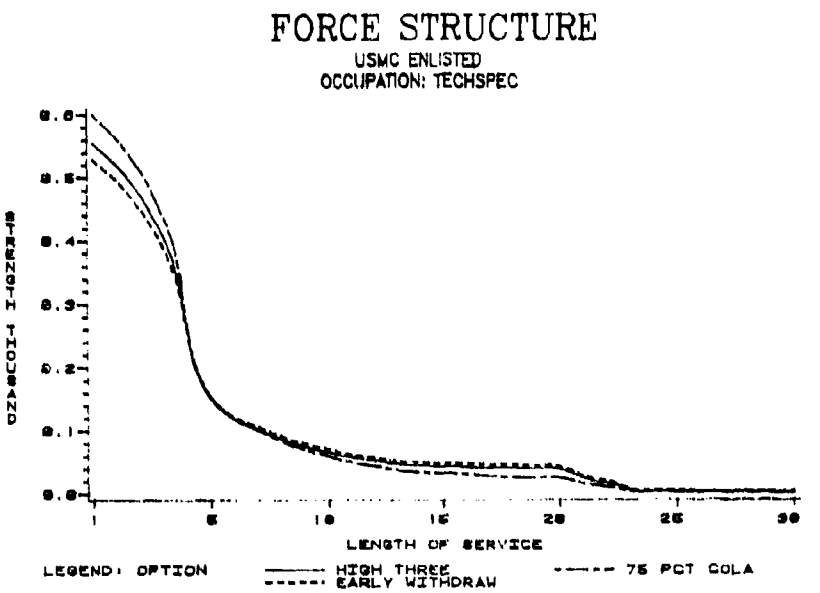


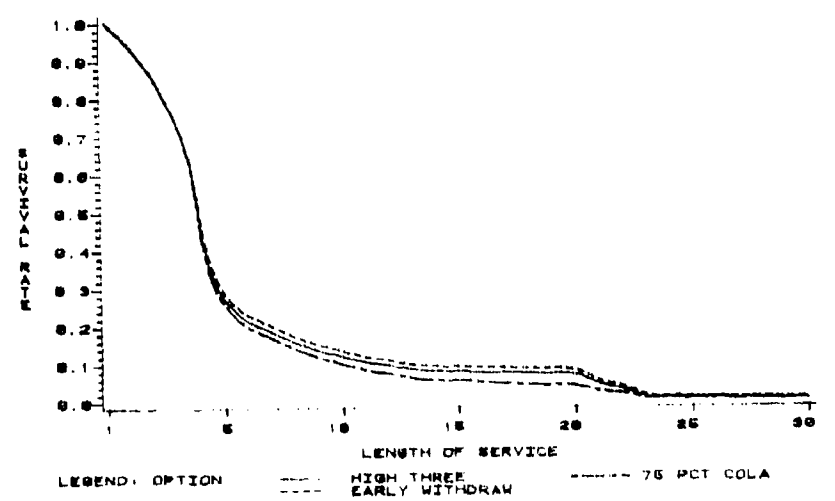
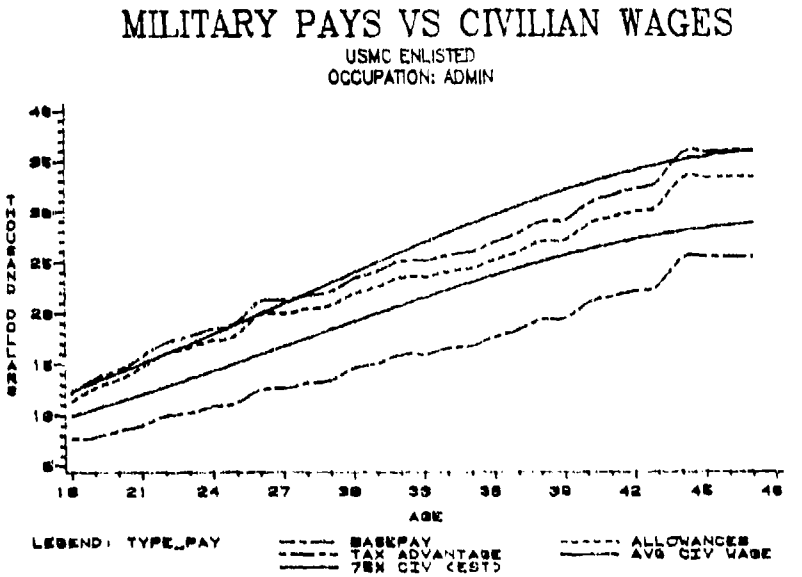


Figure N-III.C.5
USMC Functional Support and Administration



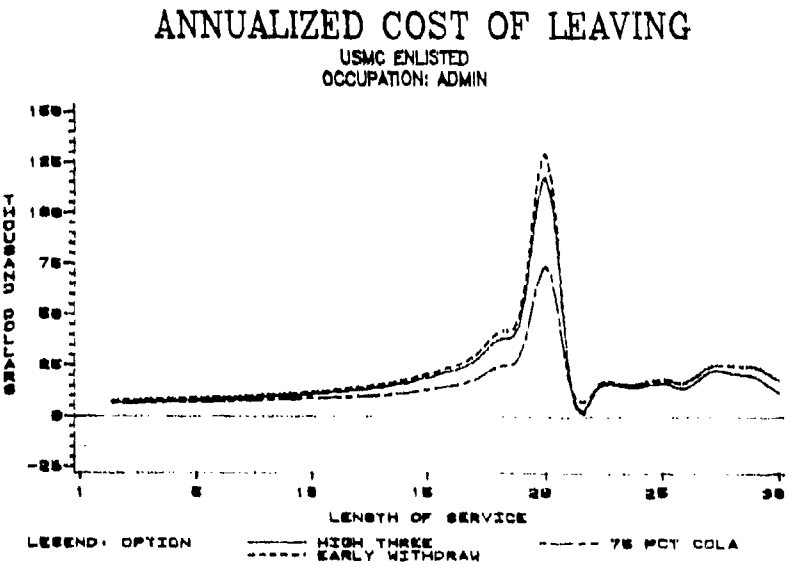
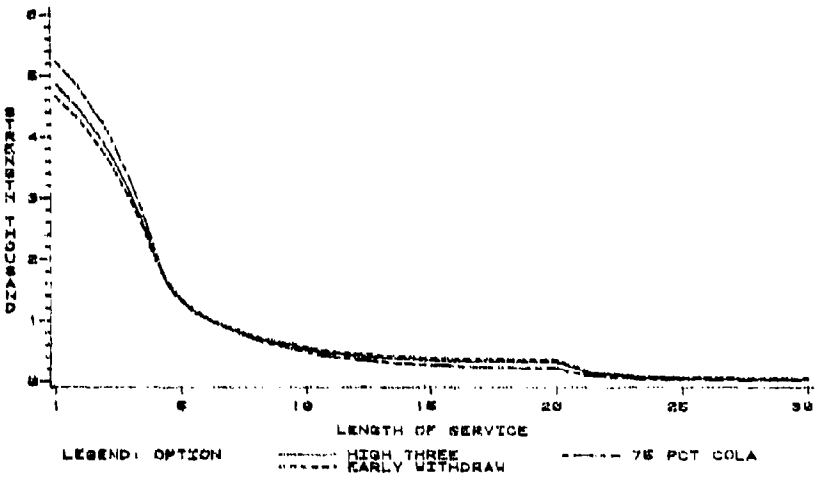


Figure N-III.C.5 (Cont)

FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: ADMIN



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: ADMIN

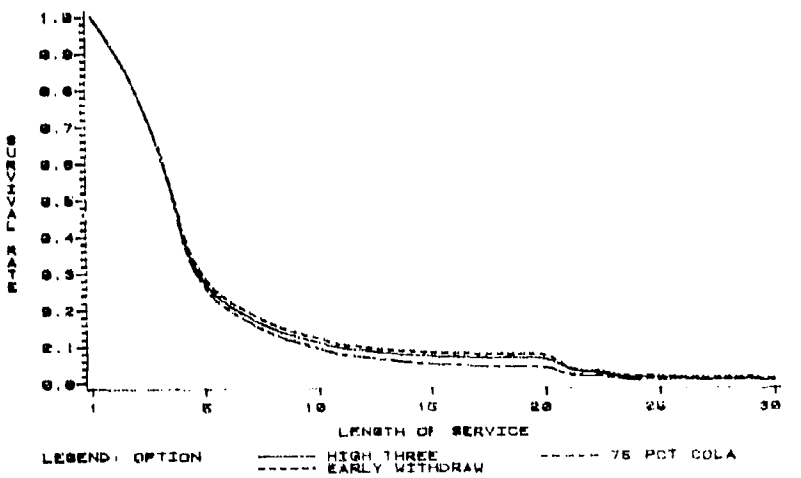
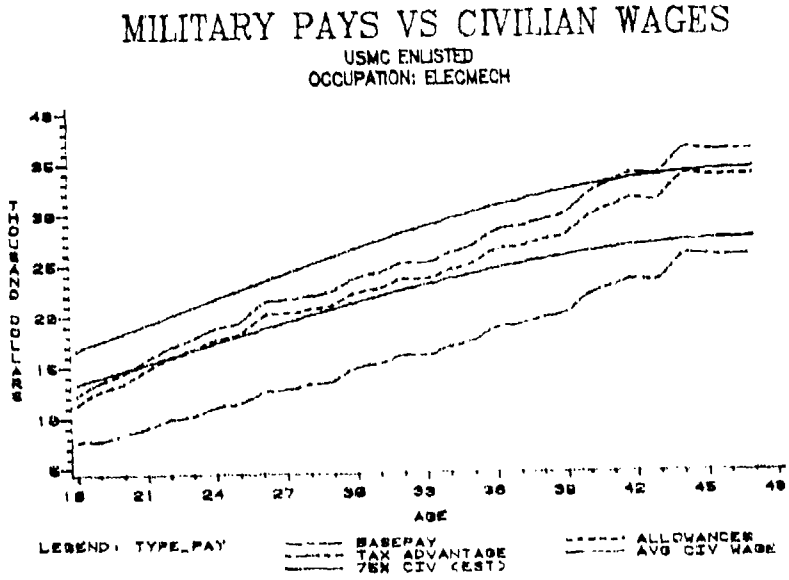


Figure N-III.C.6
USMC Electrical/Mechanical Equipment Repairmen



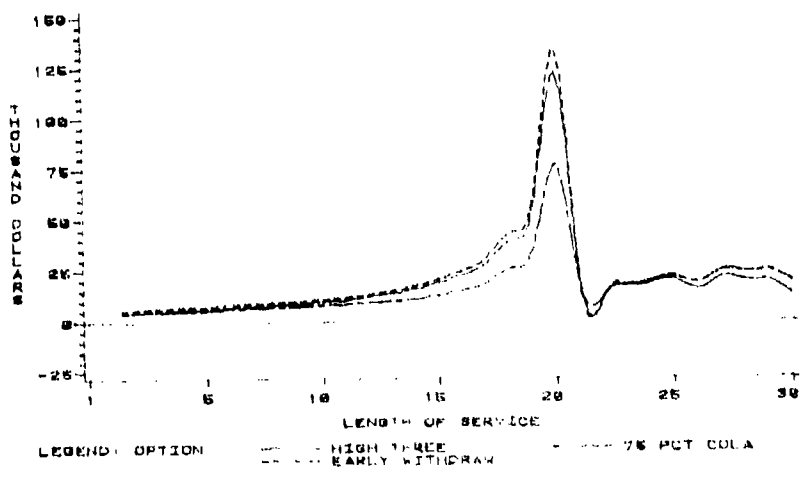
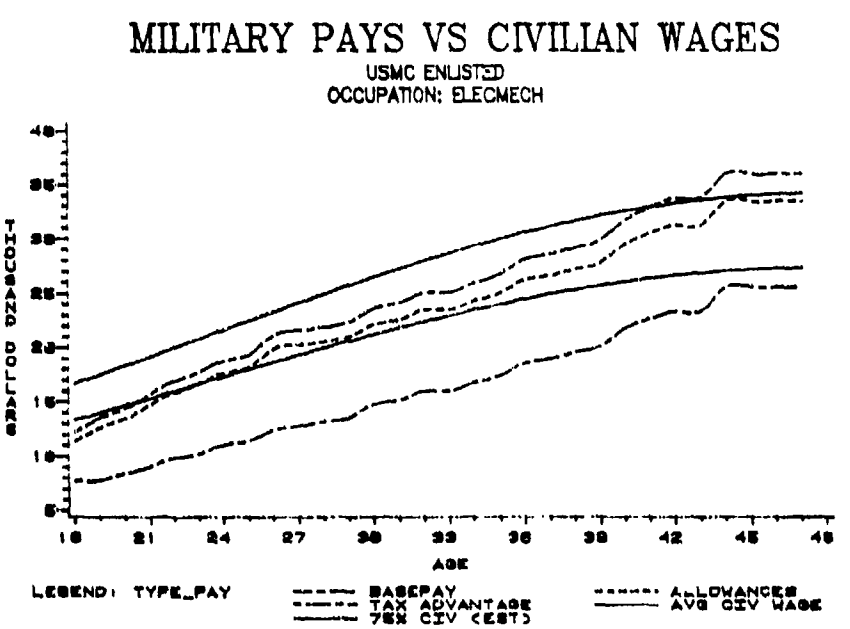


Figure N-III.C.6
USMC Electrical/Mechanical Equipment Repairmen



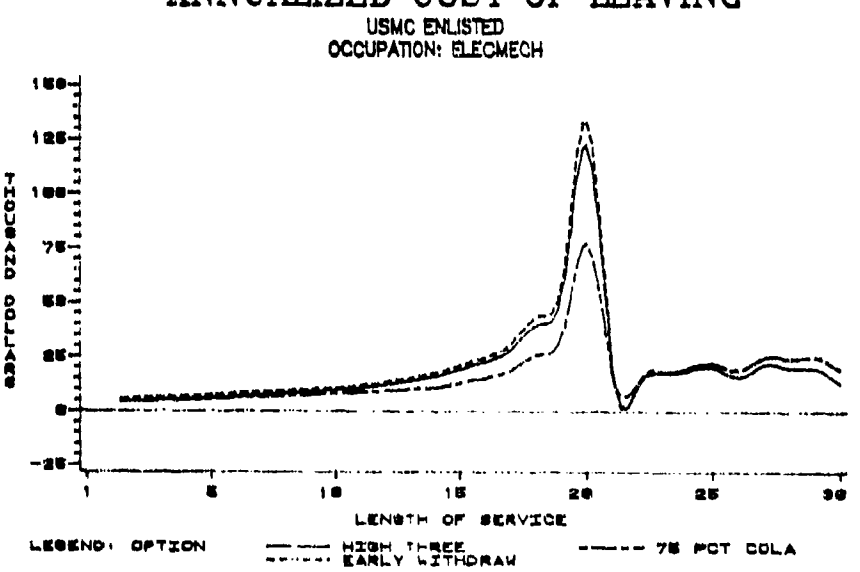
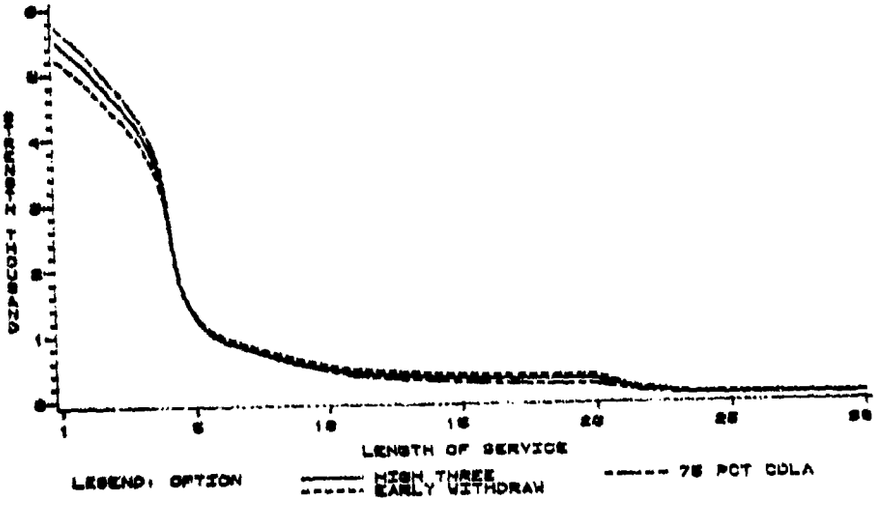


Figure N-III.C.6 (Cont)

FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: ELECMECH



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: ELECMECH

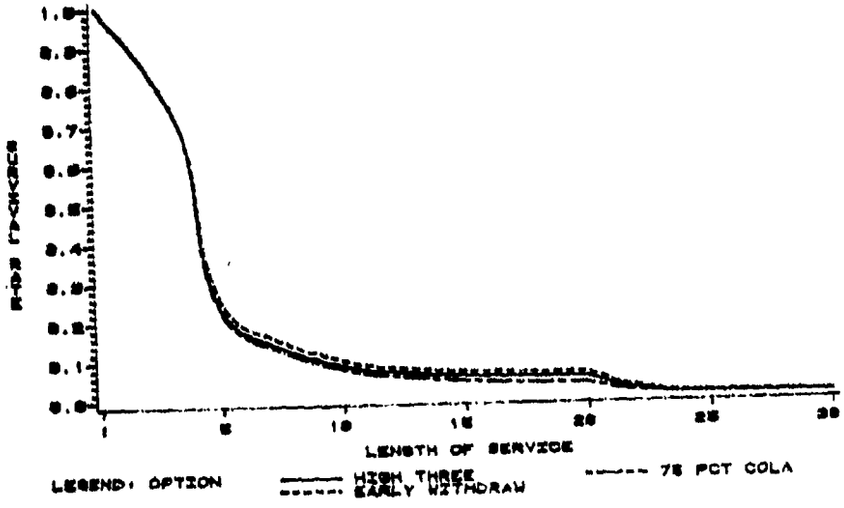
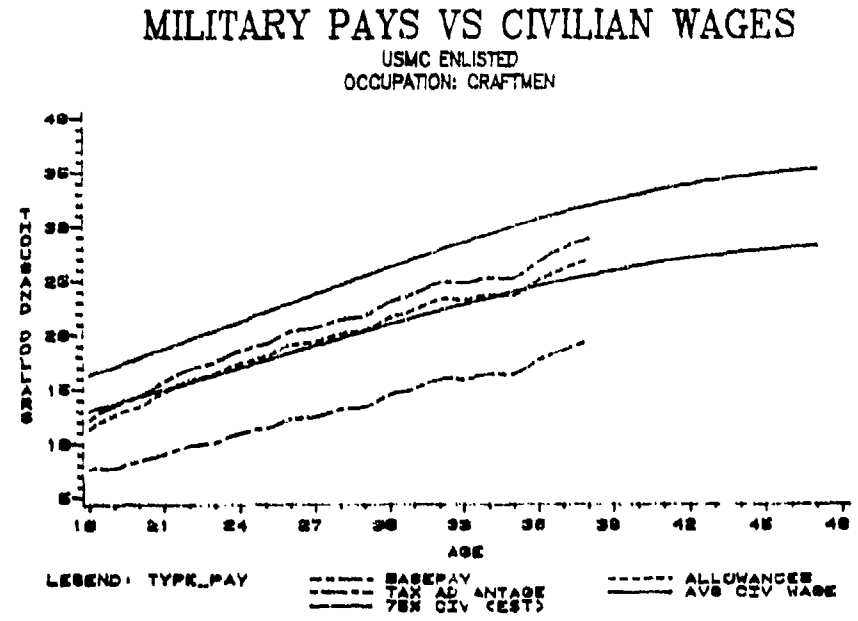


Figure N-III.C.7
USMC Craftsmen



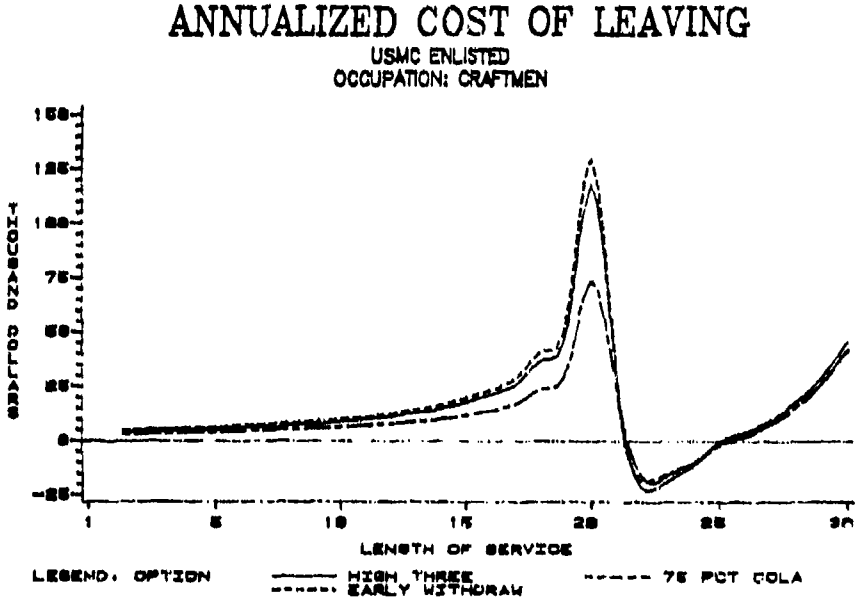
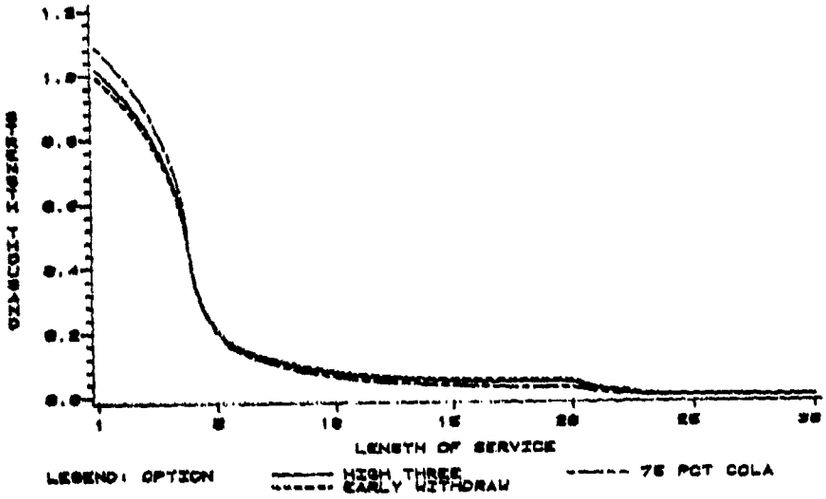


Figure N-III.C.7 (Cont)

FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: CRAFTMEN



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: CRAFTMEN

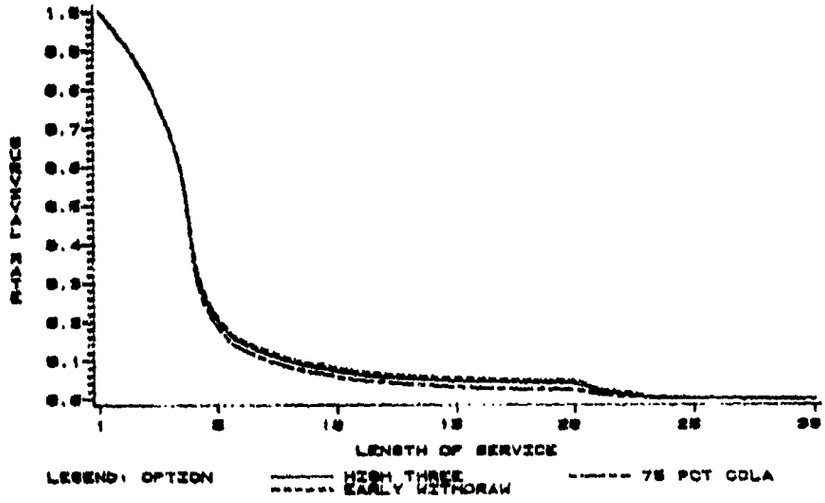
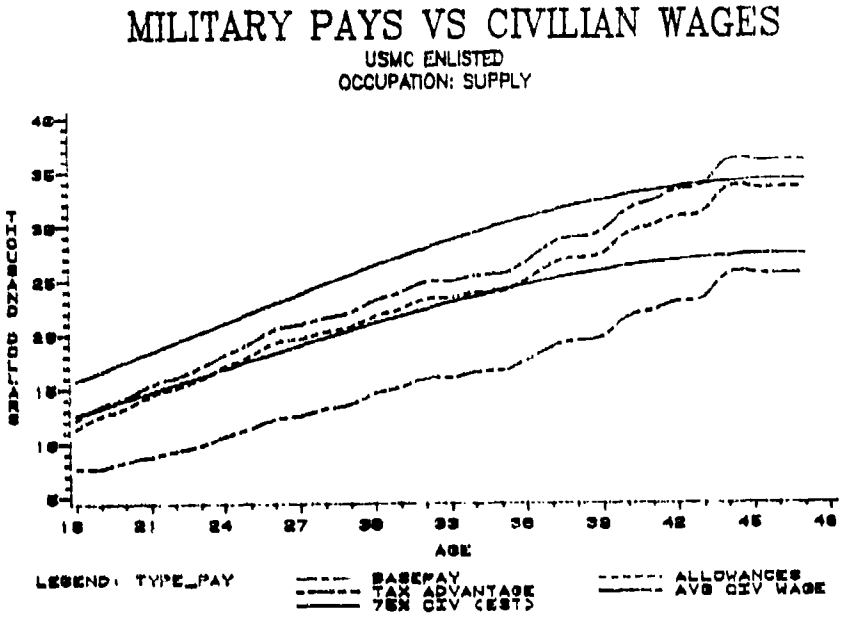


Figure N-III.C.8
USMC Service and Supply Handlers



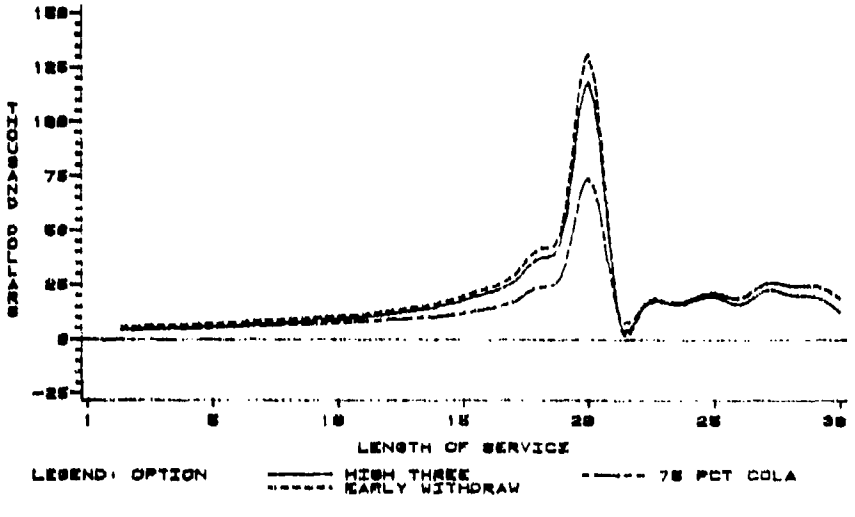
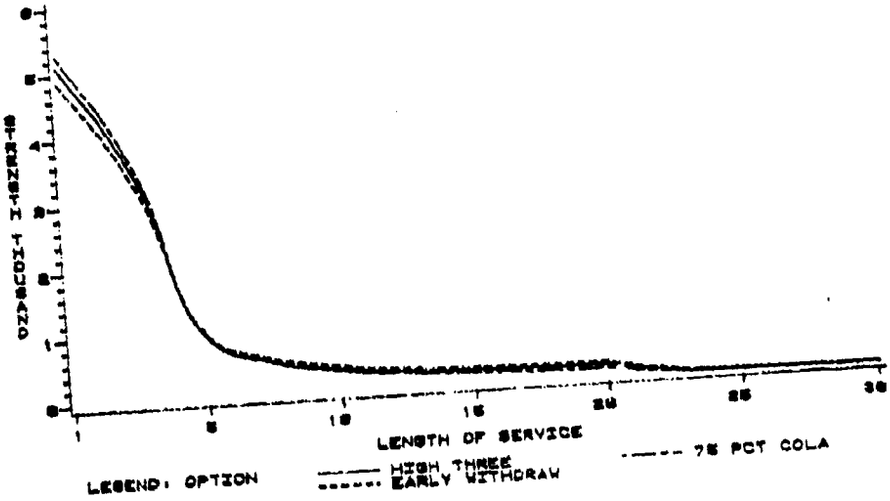


Figure N-III.C.8 (Cont)

FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: SUPPLY



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: SUPPLY

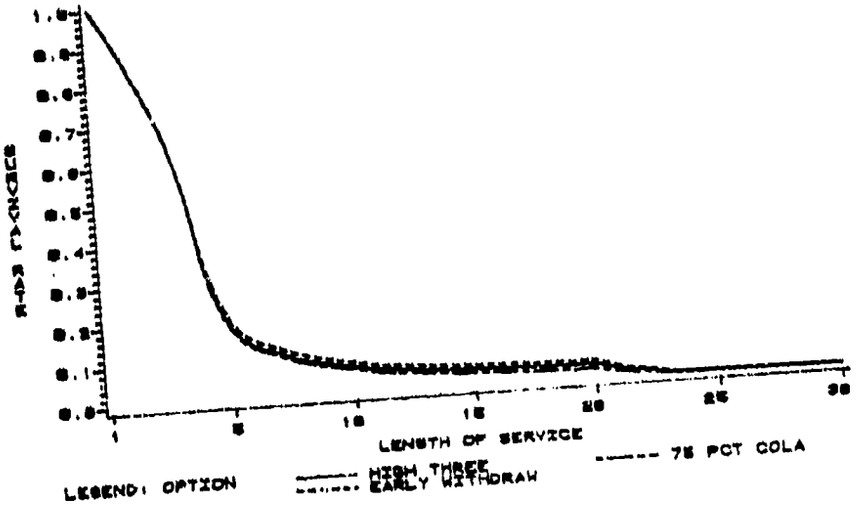
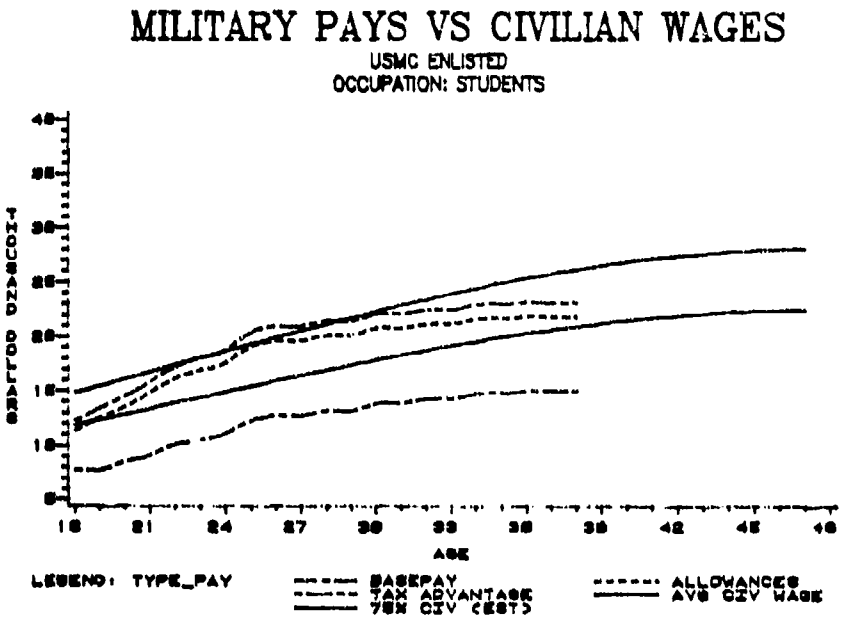


Figure N-III.C.9
USMC Non-Occupational Students



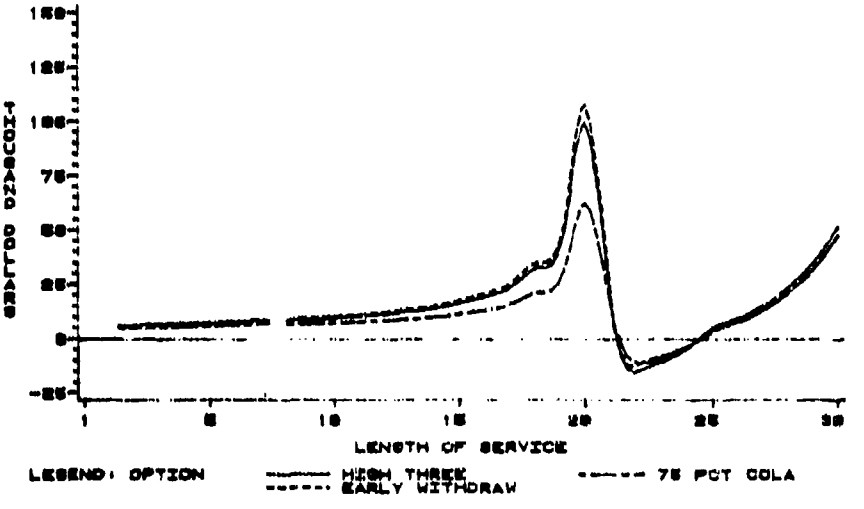
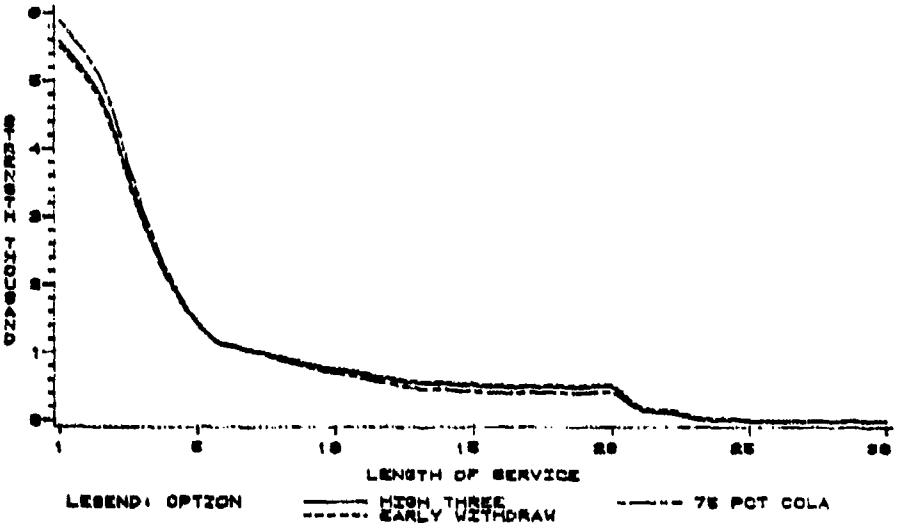


Figure N-III.C.9 (Cont)

FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: STUDENTS



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: STUDENTS

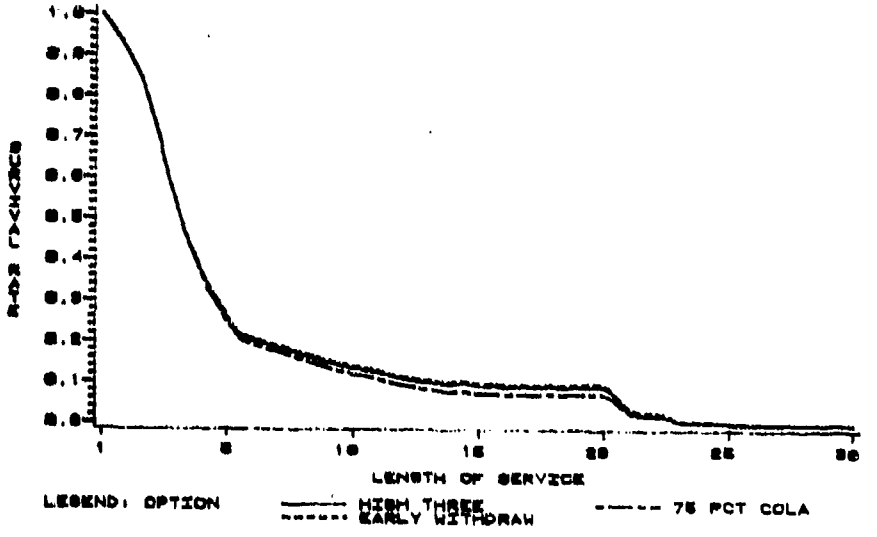
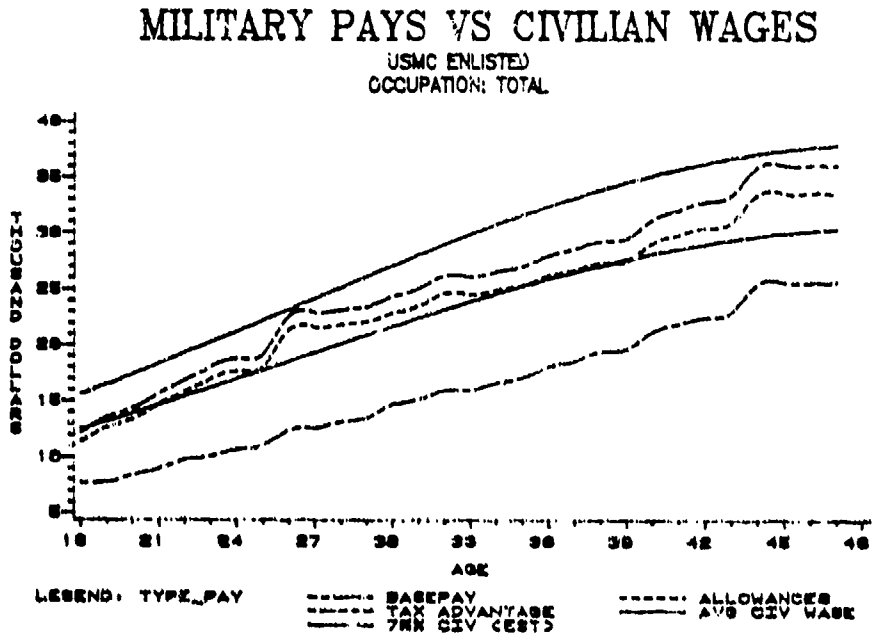


Figure N-III.C.10
USMC Total Enlisted



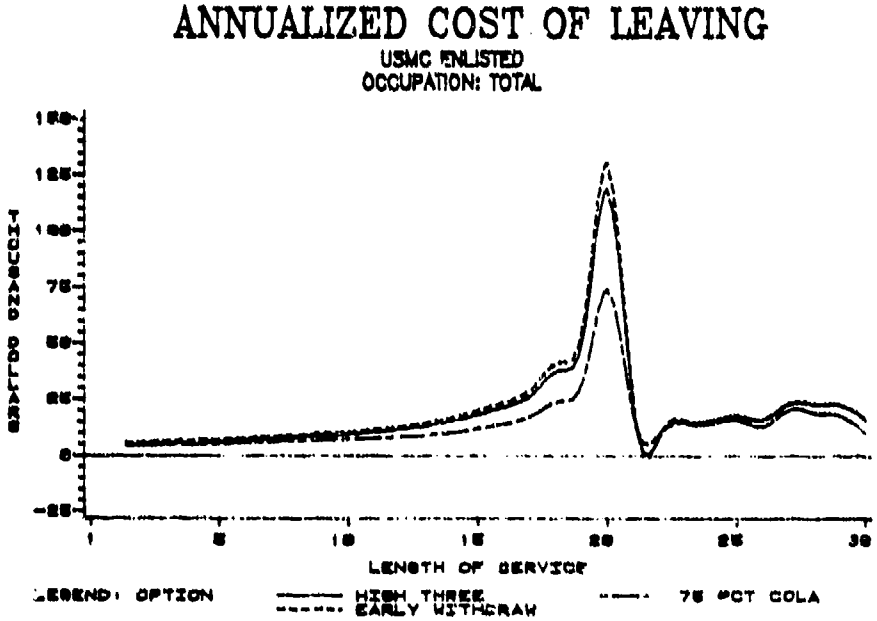
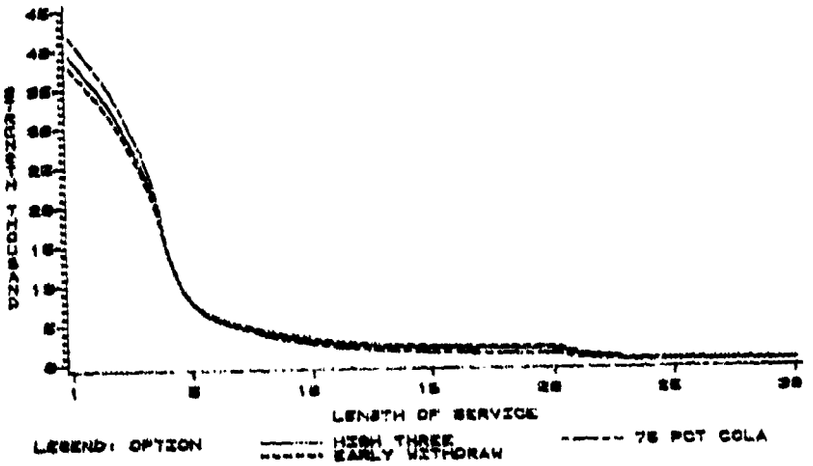


Figure N-III.C.10 (Cont)

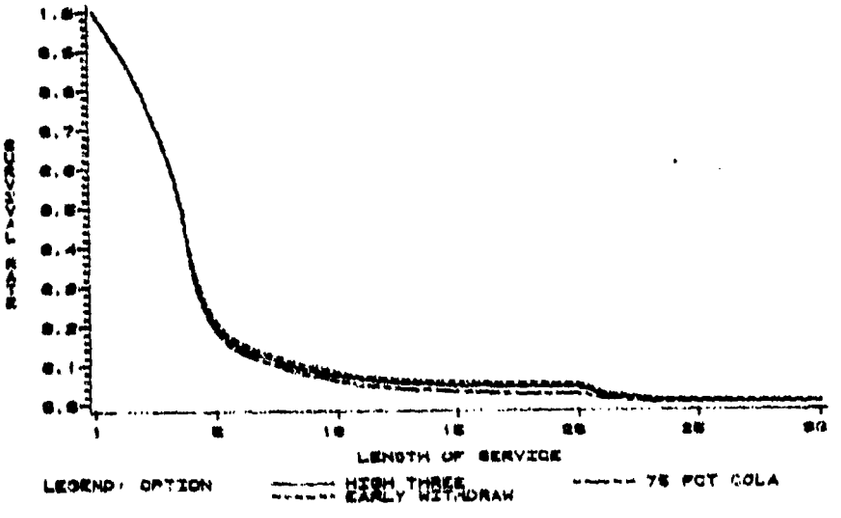
FORCE STRUCTURE

USMC ENLISTED
OCCUPATION: TOTAL



SURVIVAL RATES

USMC ENLISTED
OCCUPATION: TOTAL



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D. USAF ENLISTED OCCUPATIONAL GROUP DEFINITIONS

1. Occupation: Infantry and Gun Crews (Enlisted)
QRMC Category 126 DOD Occupation Code: 01, 05, 07

This occupational category includes the following subcategories: Military training instructors, aircrew members, and installation security specialists. The current objective endstrength for this category is 33309 which is 7% of the total current objective enlisted endstrength.

2. Occupation: Electronic Equipment Repairmen (Enlisted)
QRMC Category: 127 DOD Occupation Code: 10-12, 14-16, 19

This occupational category includes the following subcategories: Radio and radar repairmen, electronic fire control systems repairmen, missile systems maintenance specialists, nuclear weapons specialists, computer specialists, telecommunications and cryptographic equipment specialists, and other electronic equipment specialists. The current objective endstrength for this category is 63028 which is 13% of the total current objective enlisted endstrength.

3. Occupation: Communications and Intelligence Specialists (Enlisted)
QRMC Category: 128 DOD Occupation Code: 20, 22-26

This occupational category includes the following subcategories: Radio and radio code operators, radar and air traffic control operators, signal intelligence specialists, intelligence specialists, combat operations controllers, and communication operators. The current objective endstrength for this category is 35767 which is 8% of the total current objective enlisted endstrength.

4. Occupation: Medical and Dental Specialists (Enlisted)
QRMC Category: 129 DOD Occupation Code: 30-33

This occupational category includes the following subcategories: Medical care specialists, technical medical specialists, veterinary and preventive medical services specialists and dental care specialists. The current objective endstrength for this category is 21697 which is 5% of the total current objective enlisted endstrength.

5. Occupation: Other Technical and Allied Specialists (Enlisted)
QRMC Category: 130 DOD Occupation Code: 40-43, 45, 49

This occupational category includes the following subcategories: photographic specialists, weather specialists, ordnance disposal specialists, musicians, and other technical specialists. The current objective endstrength for this category is 17734 which is 4% of the total current objective enlisted endstrength.

6. Occupation: Functional Support and Administration (Enlisted)
QRMC Category: 131 DOD Occupational Code: 50-57

This occupational category includes the following subcategories: Personnel specialists, legal and medical administrators, first sergeants, data processing specialists, accounting and finance specialists, other functional support specialists, religious and morale specialists, and information and education specialists. The current objective endstrength for this category is 108262 which is 23% of the total current objective enlisted endstrength.

7. Occupation: Electrical/Mechanical Equipment Repairman
QRMC Category: 132 DOD Occupation Code: 60-66

This occupational category includes the following subcategories: Aircraft mechanics, automotive mechanics, wire communications repairmen, missile maintenance specialists, small arms and munitions specialists, marine specialists, and electrical power production specialists. The current objective endstrength for this category is 119494 which is 25% of the total current objective enlisted endstrength.

8. Occupation: Craftsmen
QRMC Category: 133 DOD Occupation Code: 70-72, 74, 76

This occupational category includes the following subcategories: Metal workers, construction specialists, utilities specialists, reprographic specialists, and fabrication and inspection specialists. The current objective endstrength for this category is 28112 which is 6% of the total current objective enlisted endstrength.

9. Occupation: Service and Supply Handlers
QRMC Category: 134 DOD Occupation Code: 80-83, 86

This occupational category includes the following subcategories: Food service specialists, mess managers and airmen aides, motor vehicle operators, material receipt and storage specialists, law enforcement specialists, and aircrew life support specialists. The current objective endstrength for this category is 47243 which is 10% of the total current objective enlisted endstrength.

10. Occupation: Non-occupational
QRMC Category: 135 DOD Occupation Code: 90-95

This occupational category includes the following subcategories: Patients, prisoners, officer trainees, airman awaiting discharge/ separation/retirement, airman awaiting retaining, basic airman.

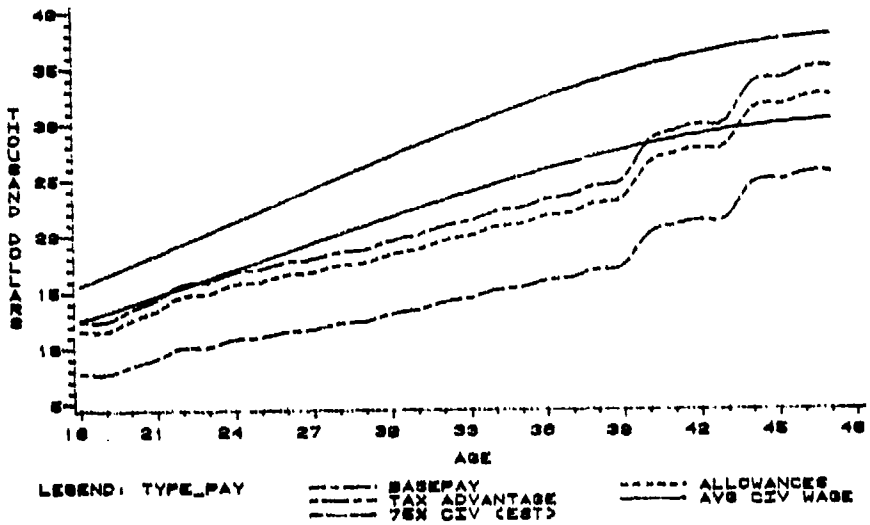
List of Figures (USAF Enlisted)

N-III.D. 1. USAF Infantry and Gun Crew
N-III.D. 2. USAF Electronic Equipment Repairmen
N-III.D. 3. USAF Communications and Intelligence Specialists
N-III.D. 4. USAF Medical and Dental Specialists
N-III.D. 5. USAF Other Technical and Allied Specialists
N-III.D. 6. USAF Functional Support and Administration
N-III.D. 7. USAF Electrical/Mechanical Equipment Repairmen
N-III.D. 8. USAF Craftsmen
N-III.D. 9. USAF Service and Supply Handlers
N-III.D. 10. USAF Non-Occupational Students
N-III.D. 11. USAF Total Enlisted

Figure N-III.D.1
USAF Infantry and Gun Crew

MILITARY PAYS VS CIVILIAN WAGES

USAF ENLISTED
OCCUPATION: AIRMEN



ANNUALIZED COST OF LEAVING

USAF ENLISTED
OCCUPATION: AIRMEN

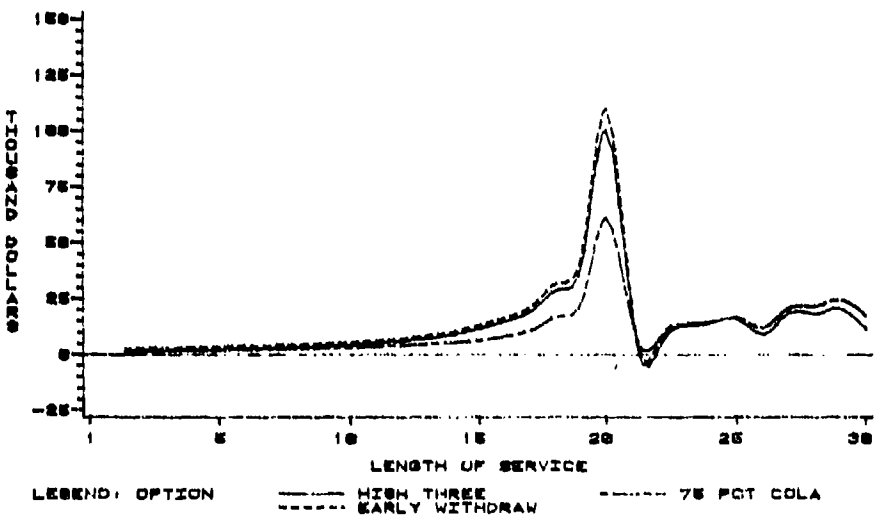
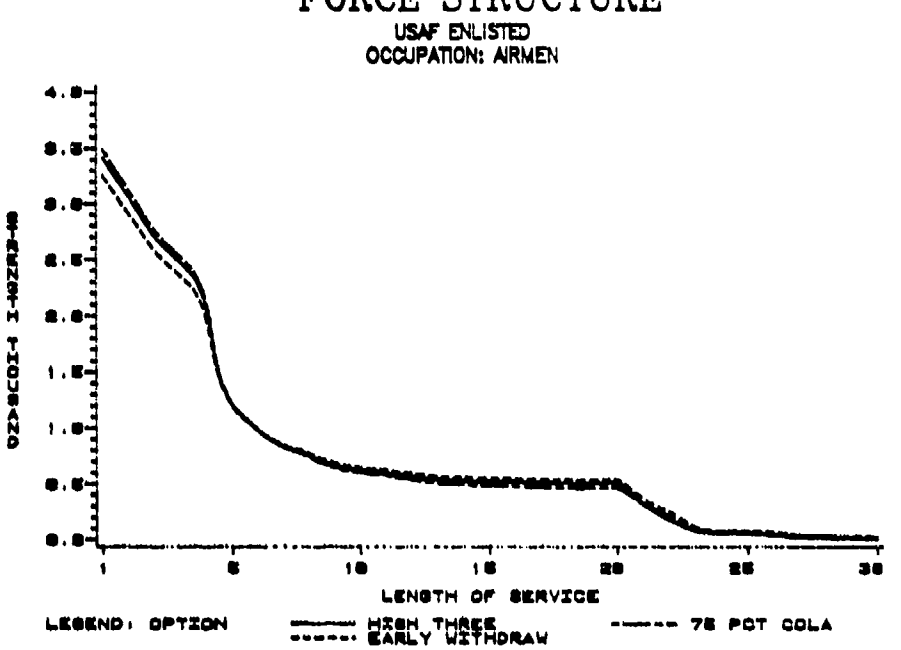


Figure N-III.D.1 (Cont)



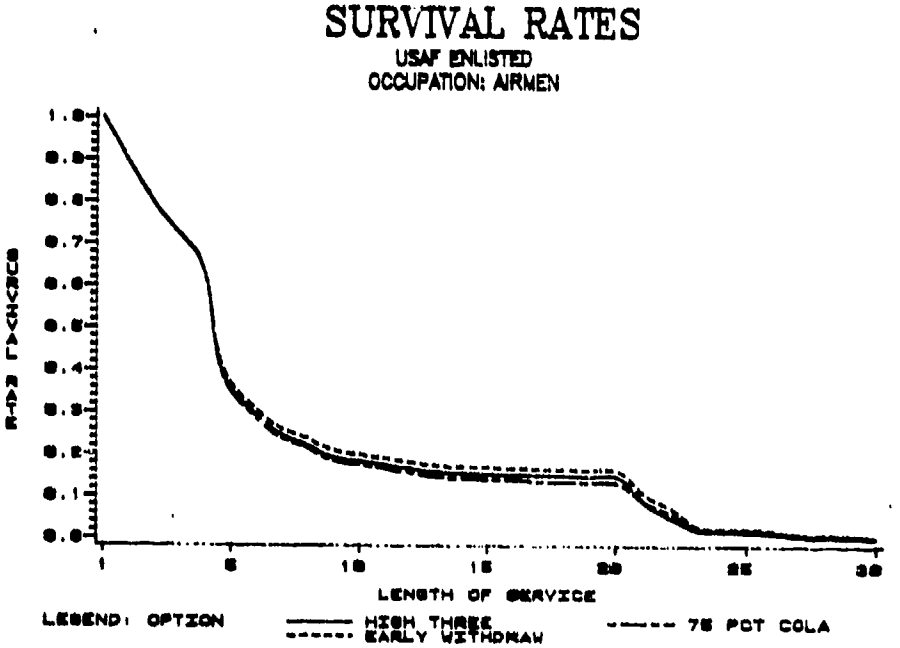
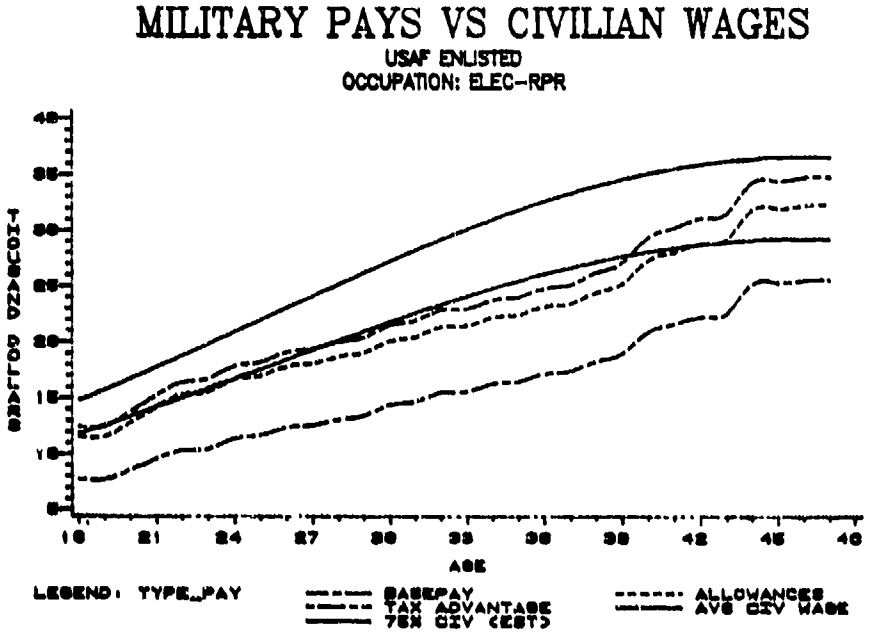
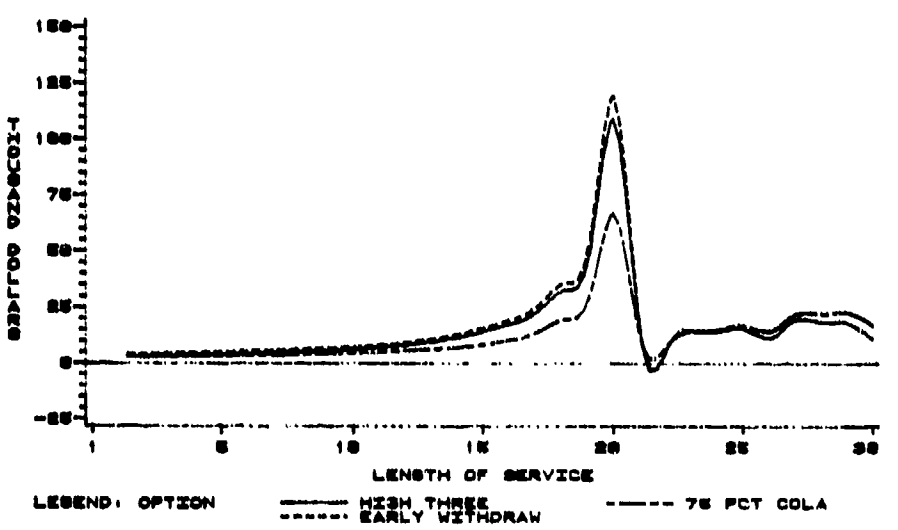


Figure N-III.D.2
USAF Electronic Equipment Repair





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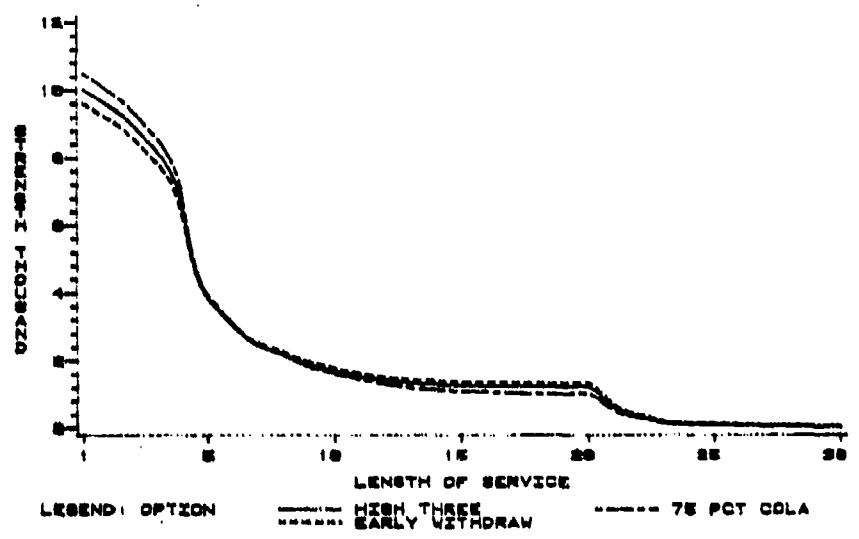


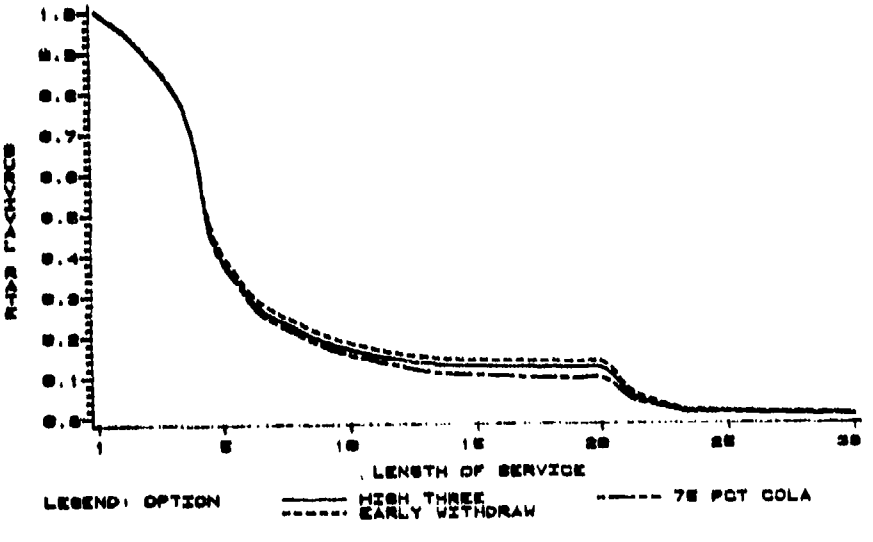
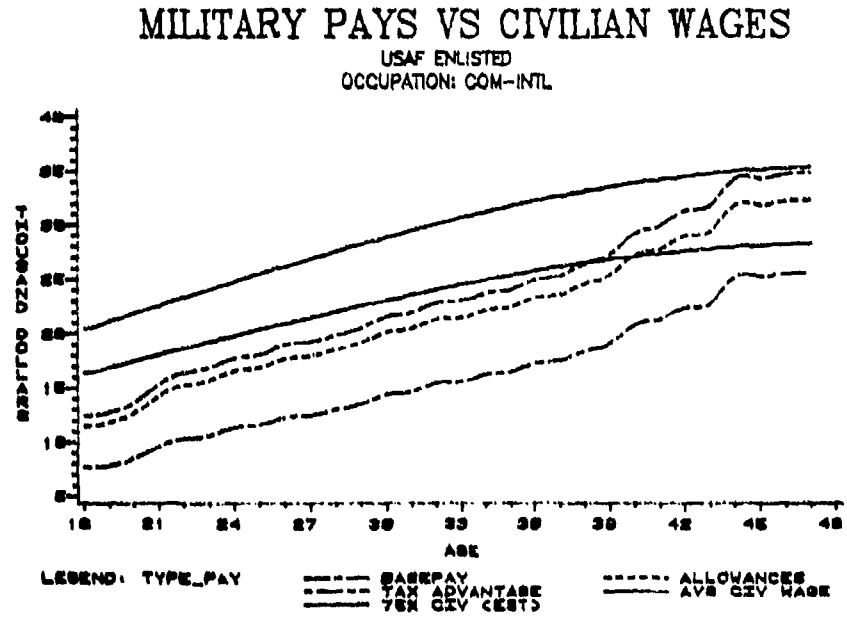


Figure N-III.D.3
USAF Communications and Intelligence Specialists



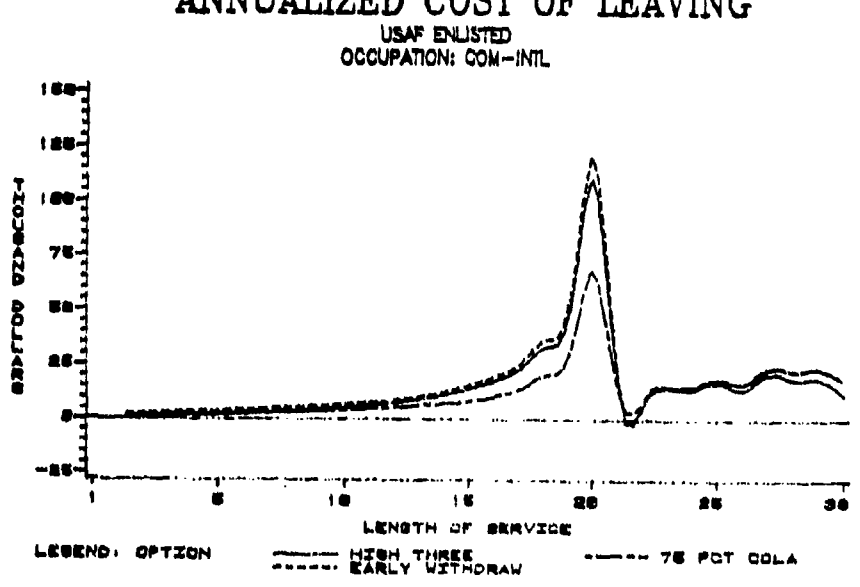
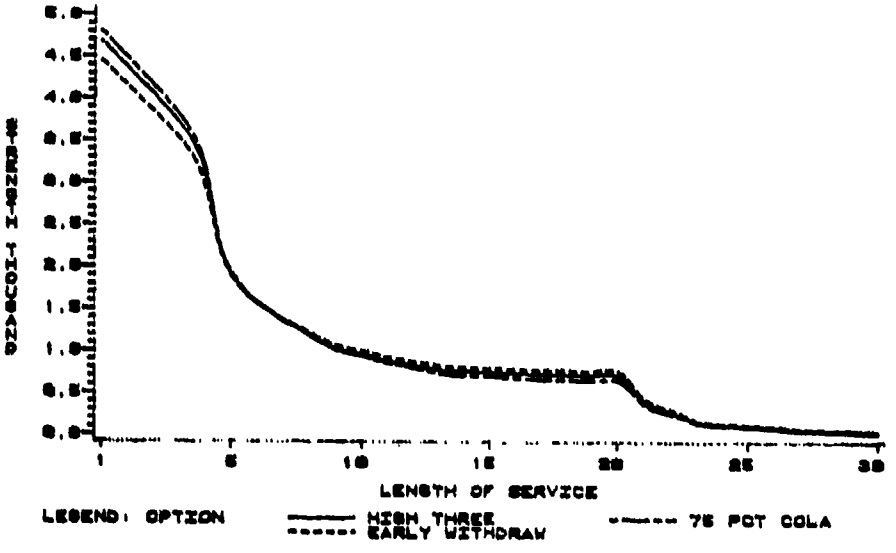


Figure N-III.D.3 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: COM-INTL



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: COM-INTL

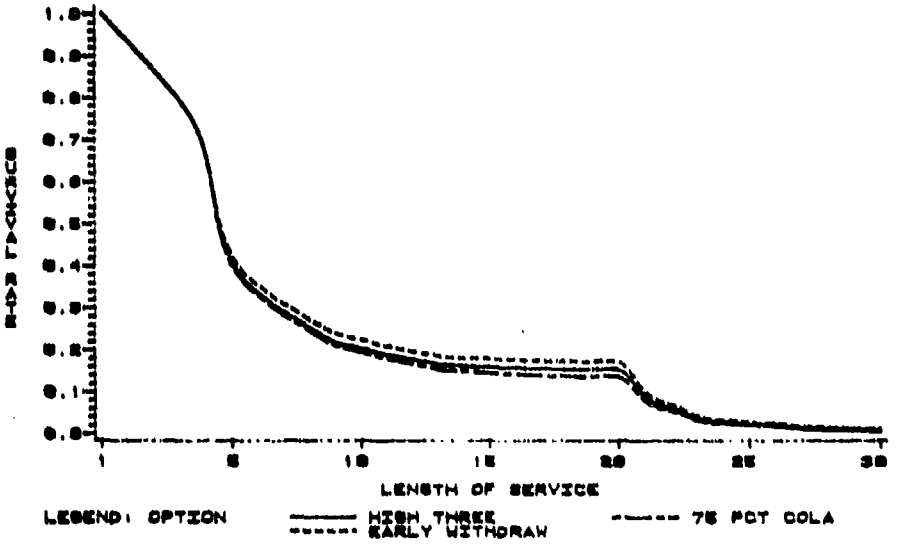
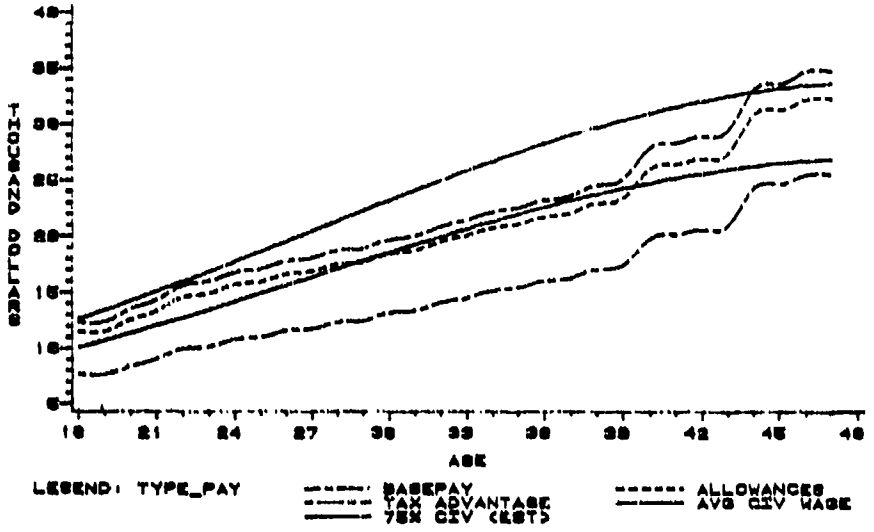


Figure N-III.D.4
USAF Medical and Dental Specialists



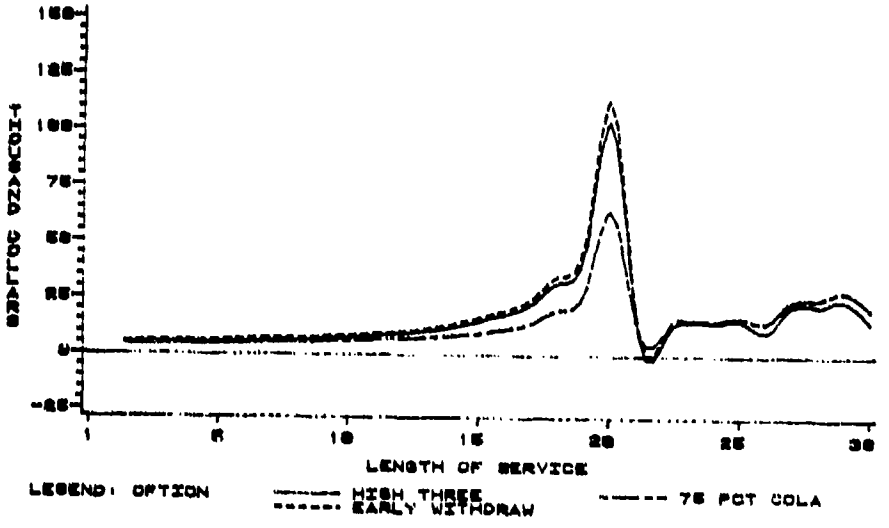
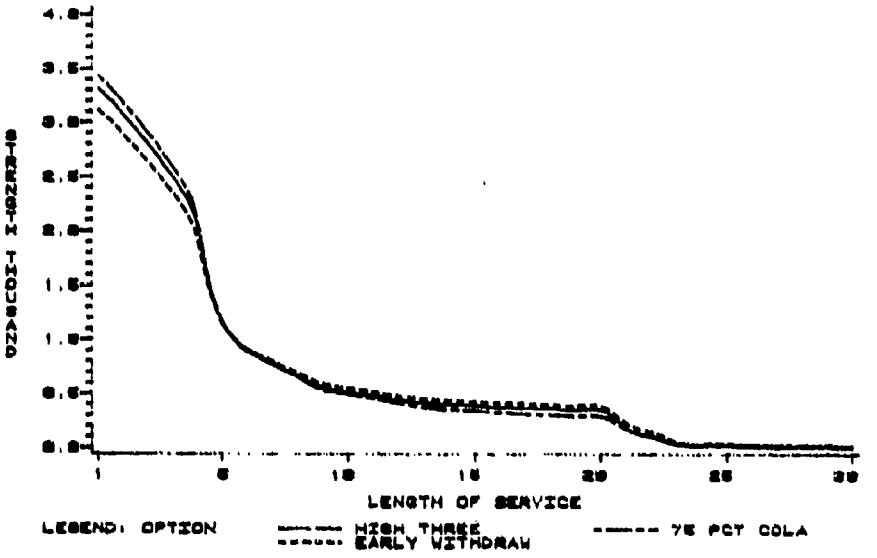


Figure N-III.D.4 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: MEDICAL



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: MEDICAL

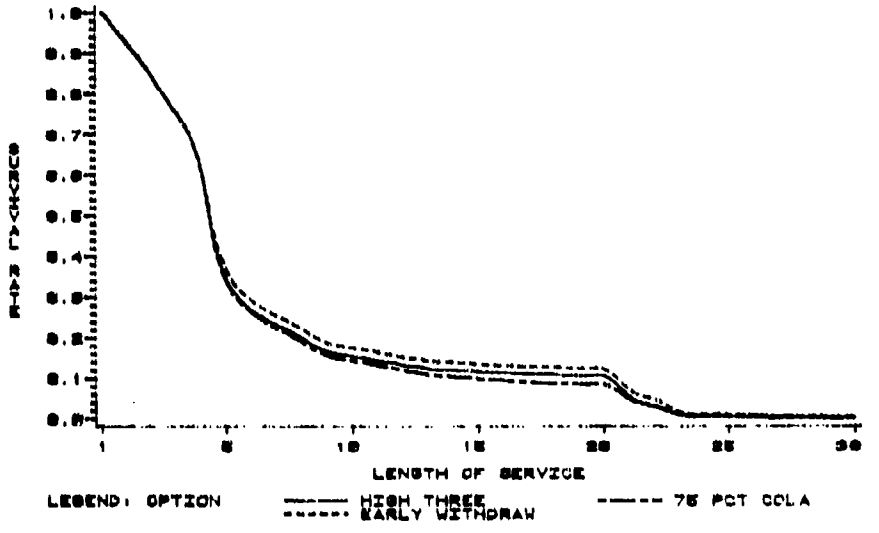
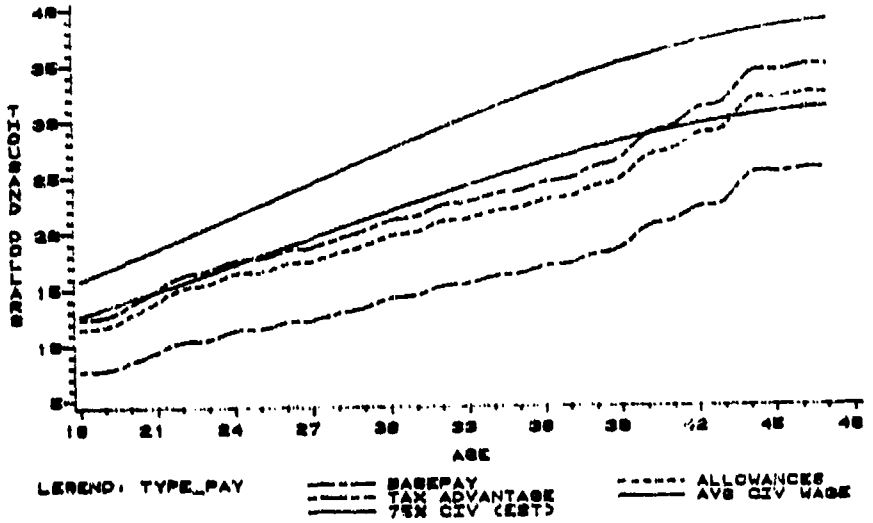


Figure N-III.D.3
USAF Other Technical and Allied Specialists



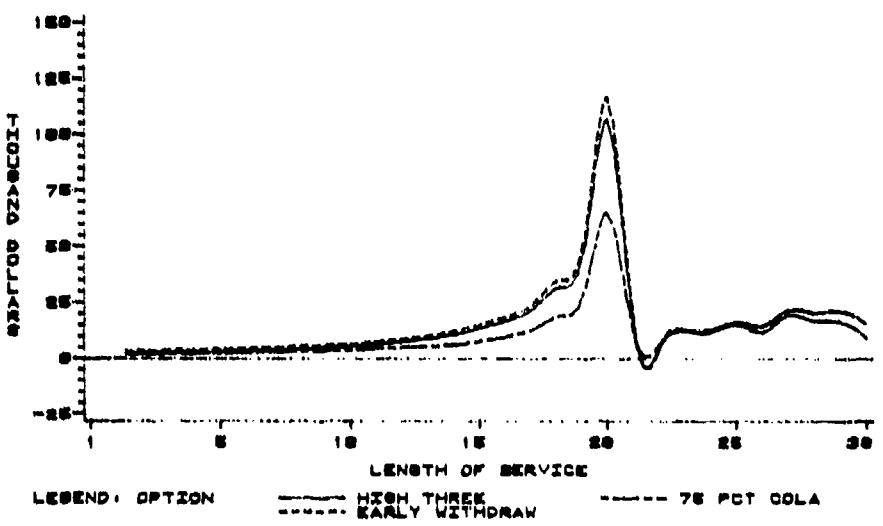
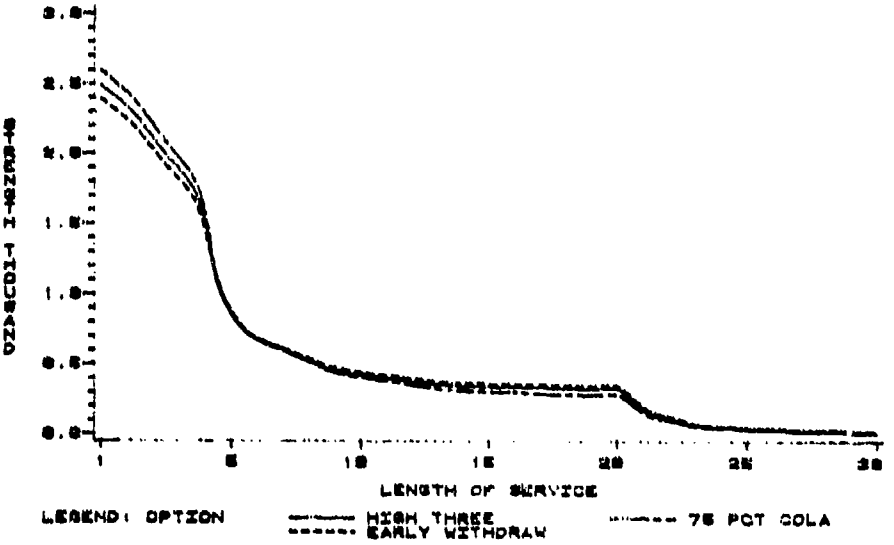


Figure N-III.D.5 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: TECHSPEC



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: TECHSPEC

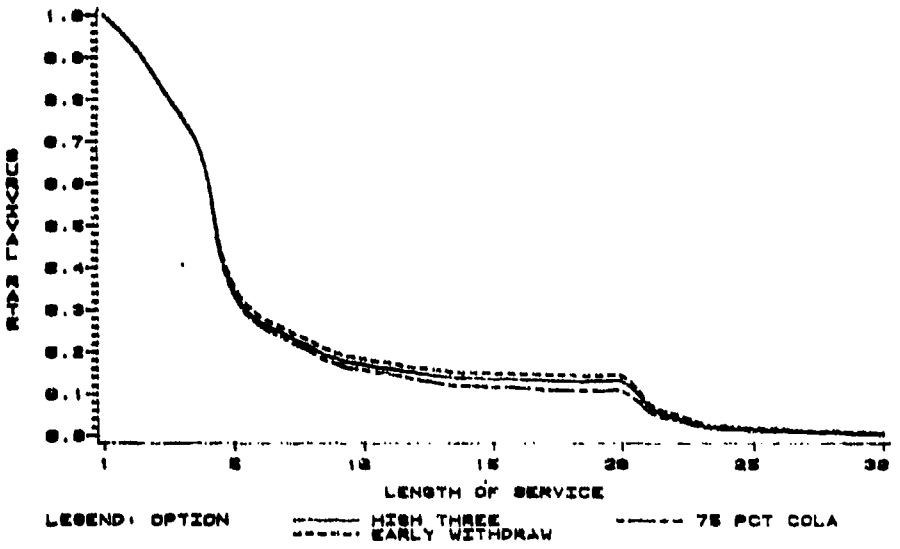
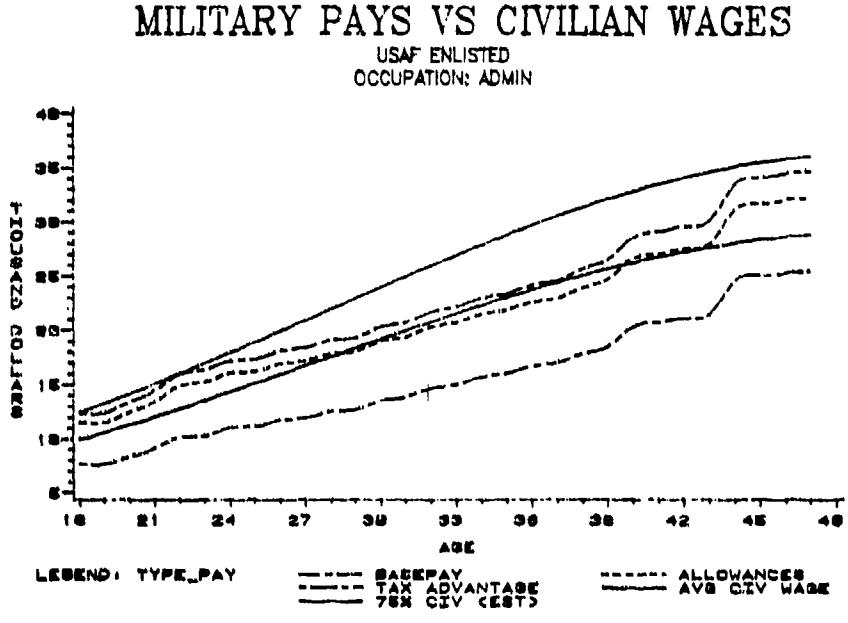


Figure N-III.D.6
USAF Functional Support and Administration



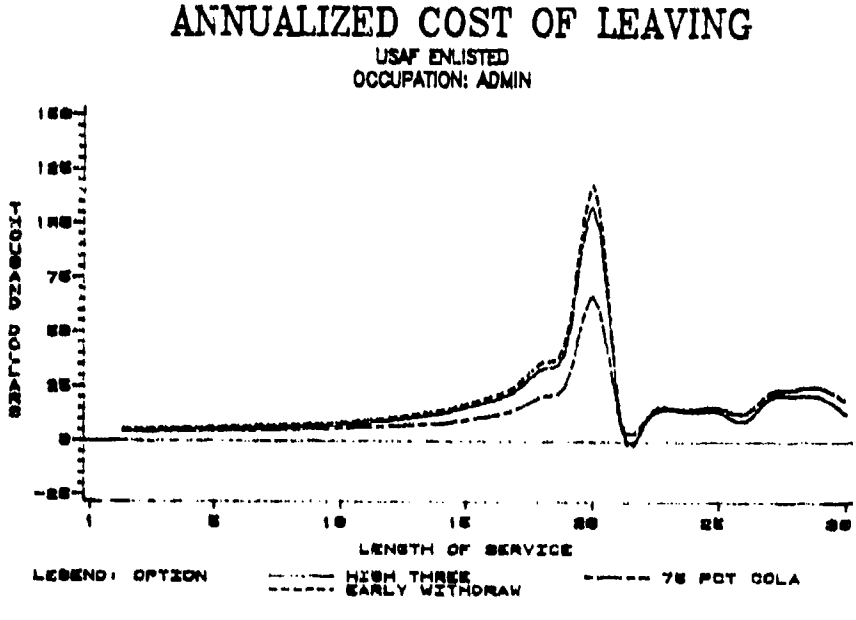
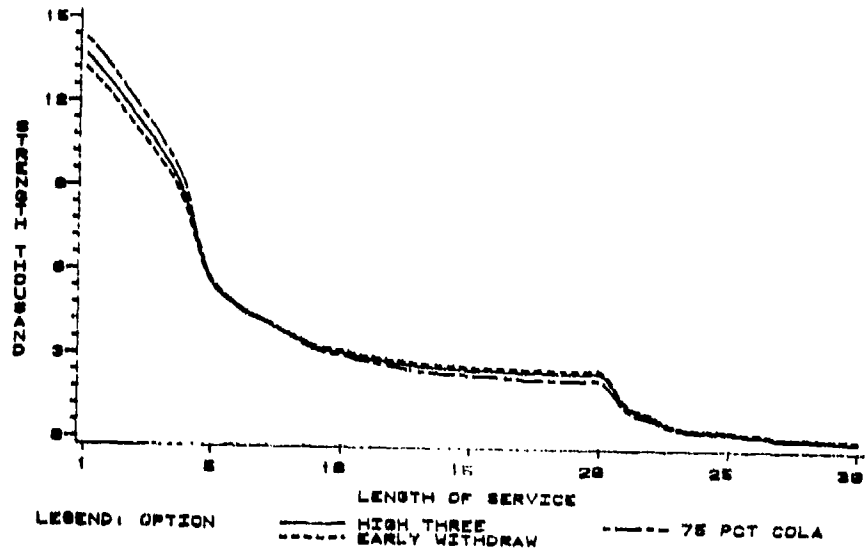


Figure N-III.D.6 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: ADMIN



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: ADMIN

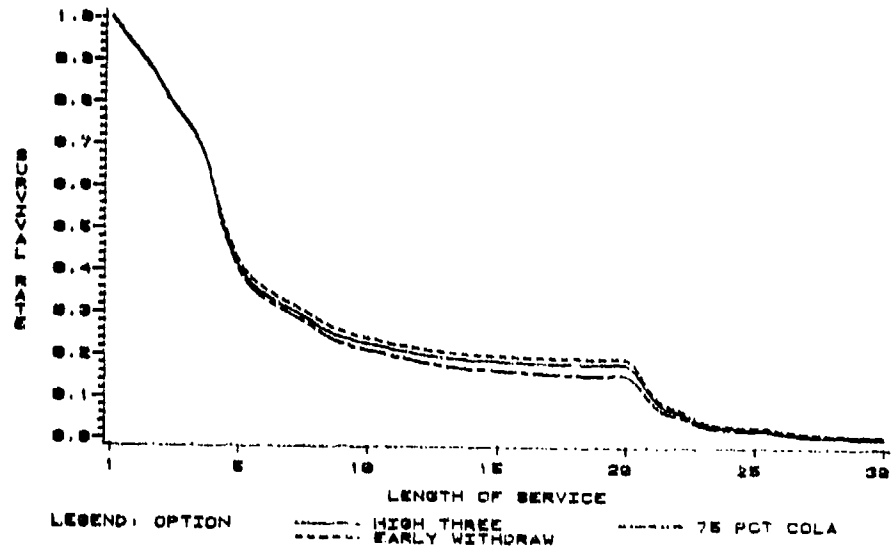
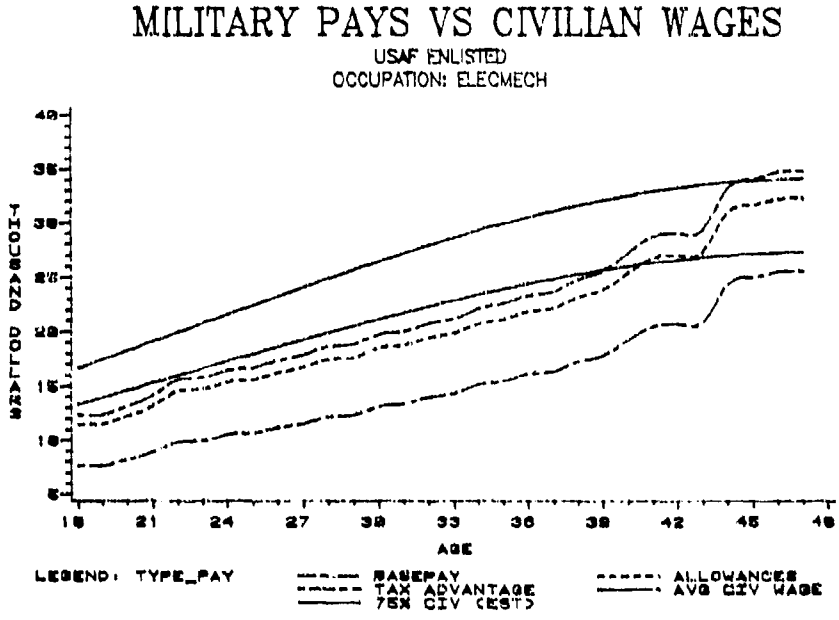


Figure N-III.D.7
USAF Electrical/Mechanical Equipment Repairmen



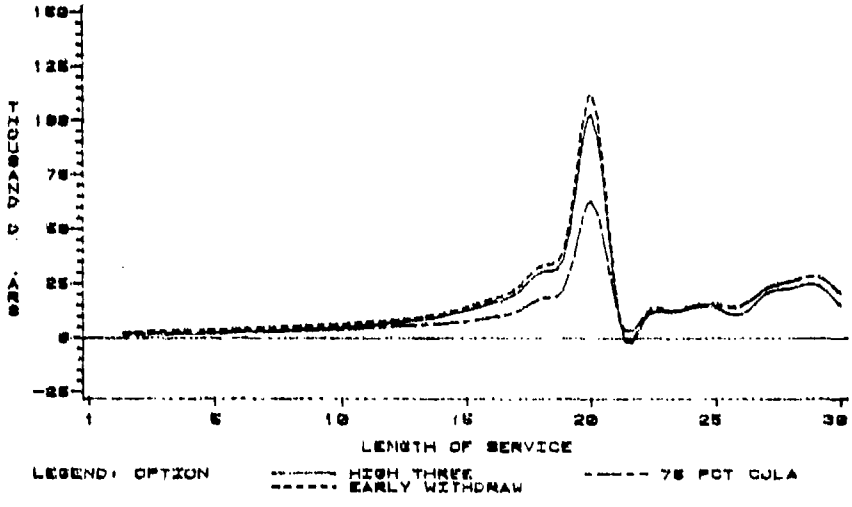
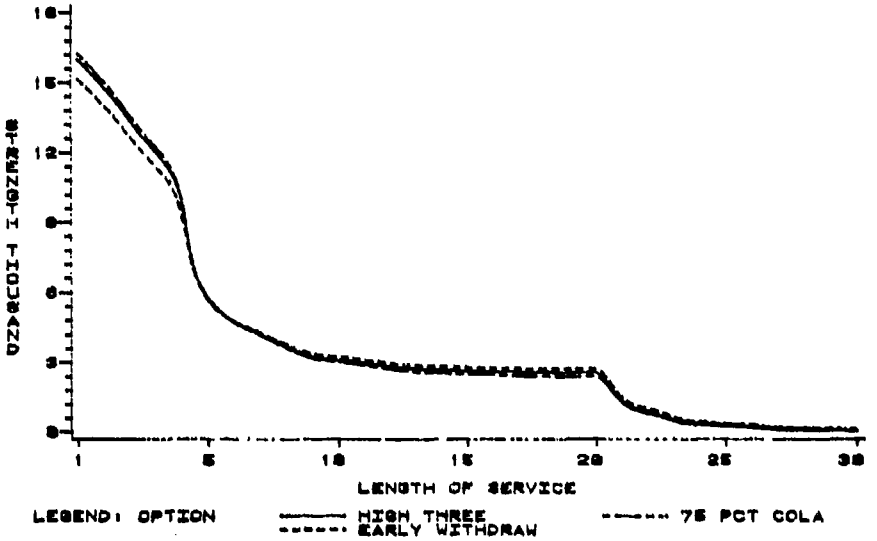


Figure N-III.D.7 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: ELECMECH



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: ELECMECH

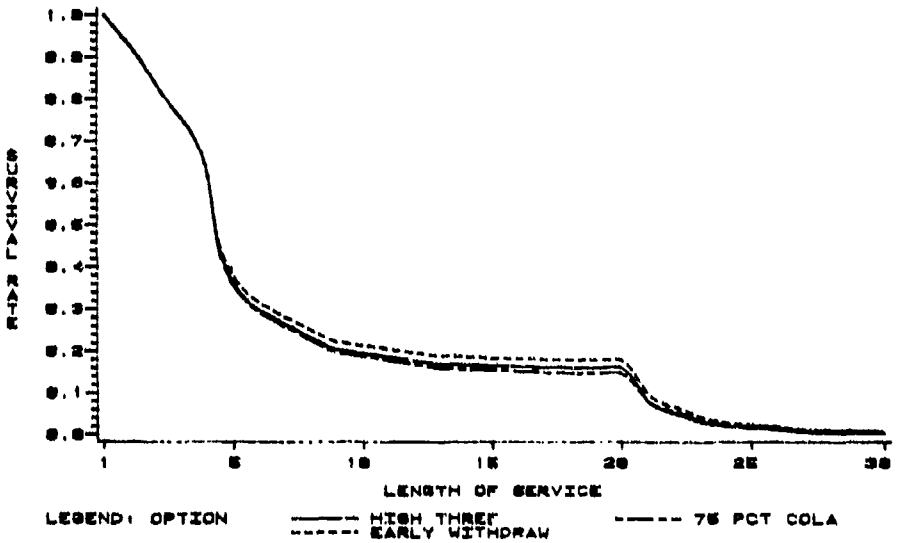
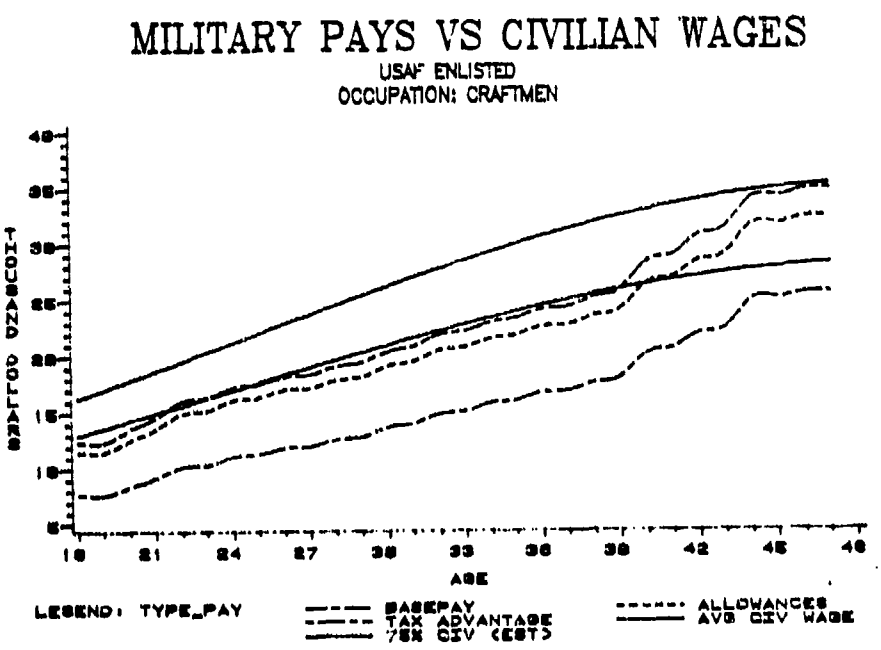


Figure N-III.D.8
USAF Craftsmen



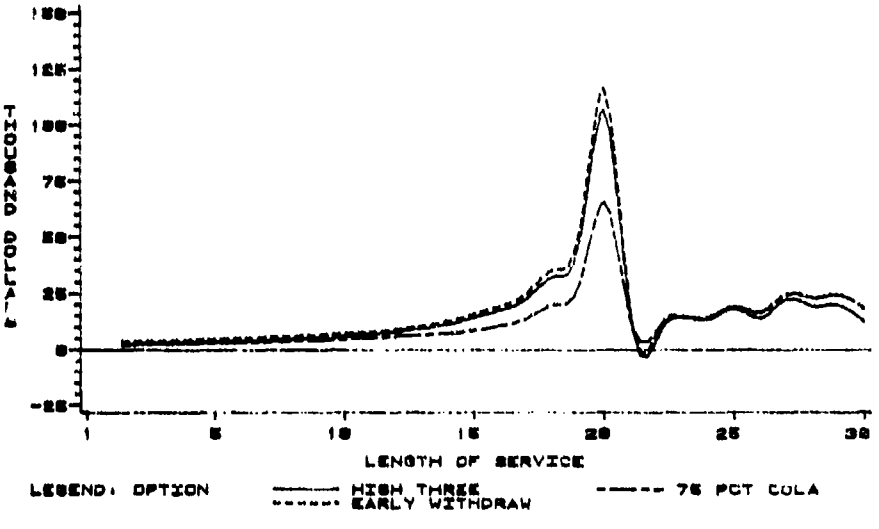
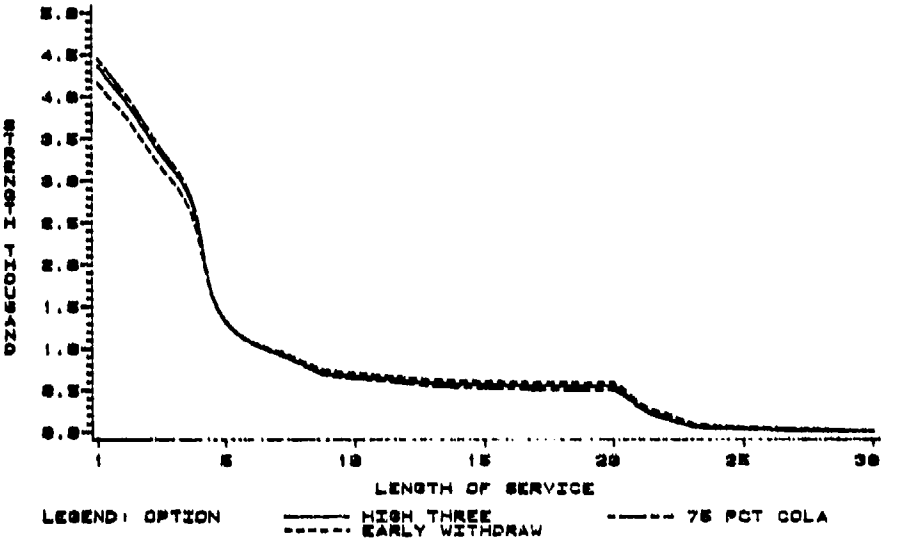


Figure N-III.D.8 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: CRAFTMEN



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: CRAFTMEN

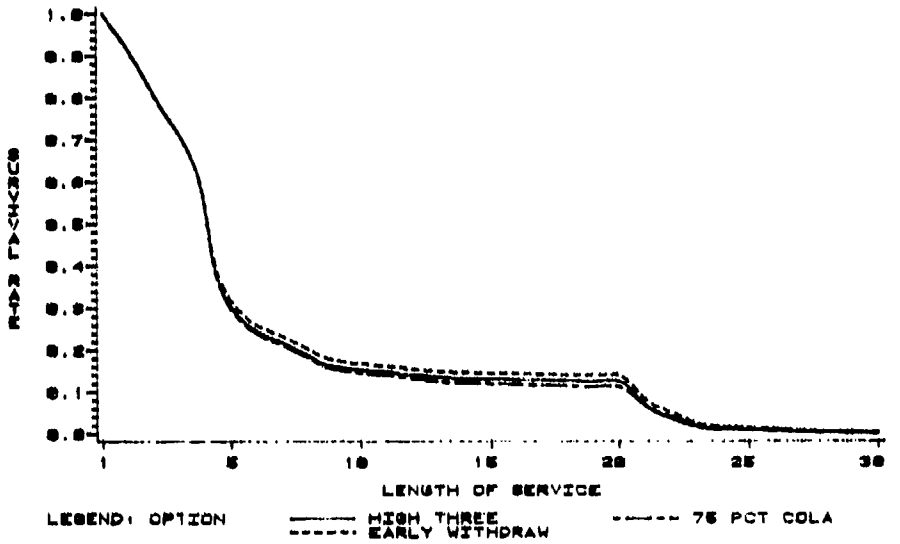
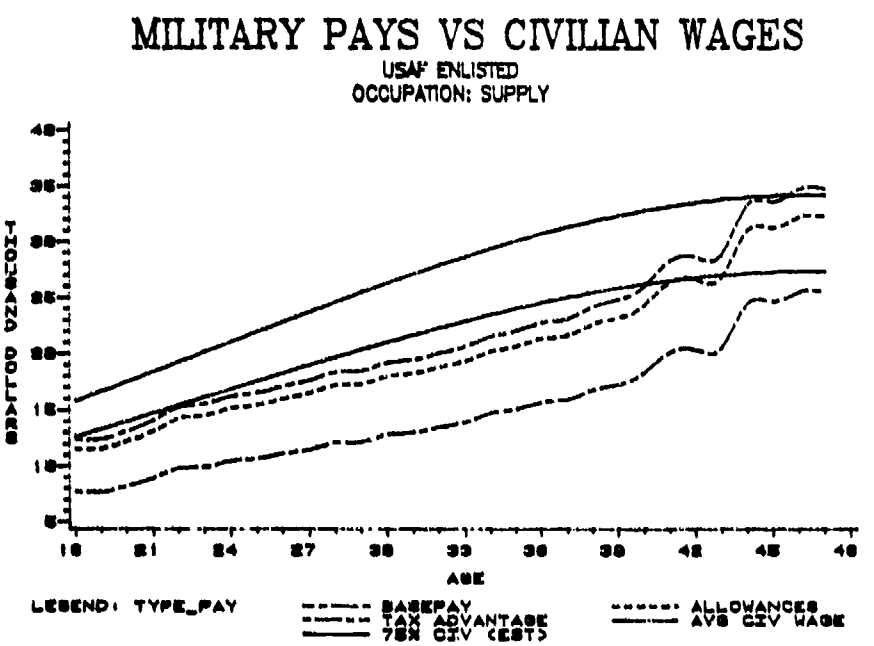


Figure N-III.D.9
USAF Service and Supply Handlers



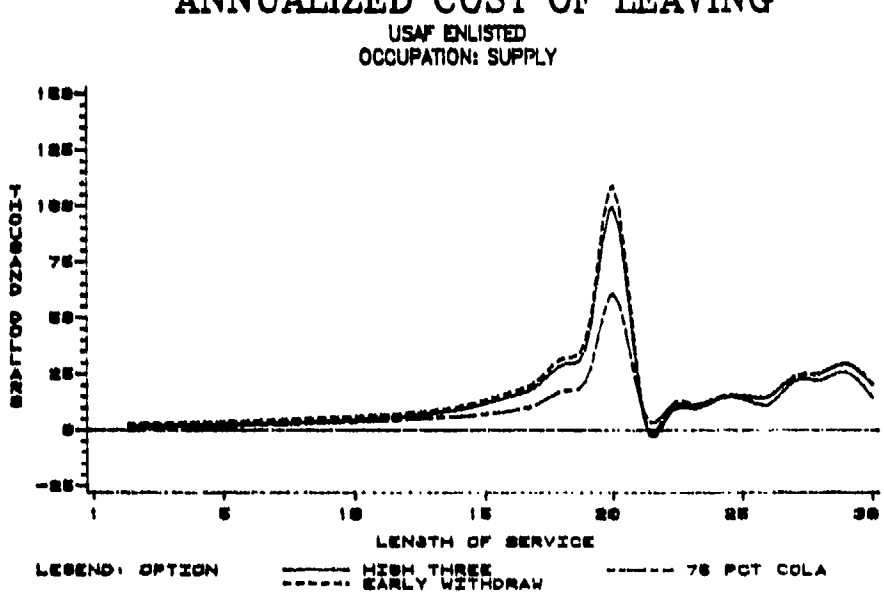
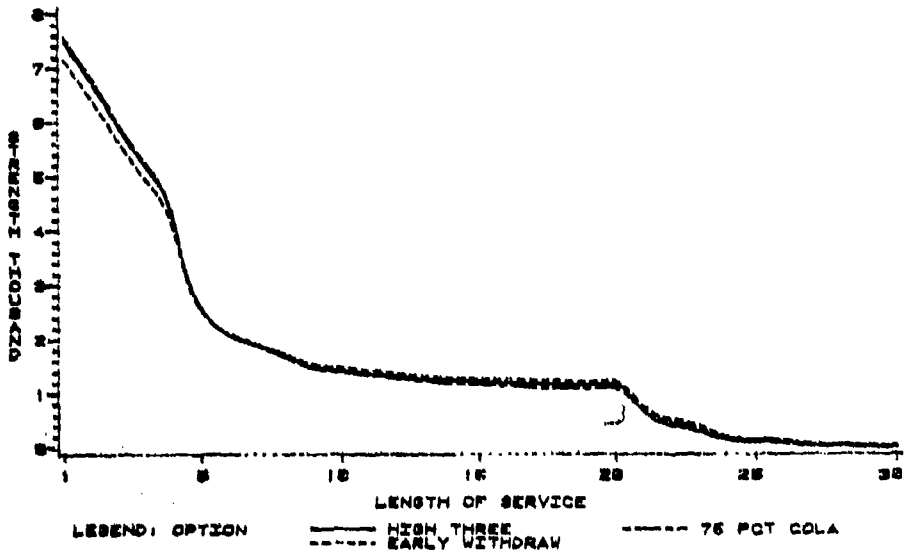


Figure N-III.D.9 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: SUPPLY



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: SUPPLY

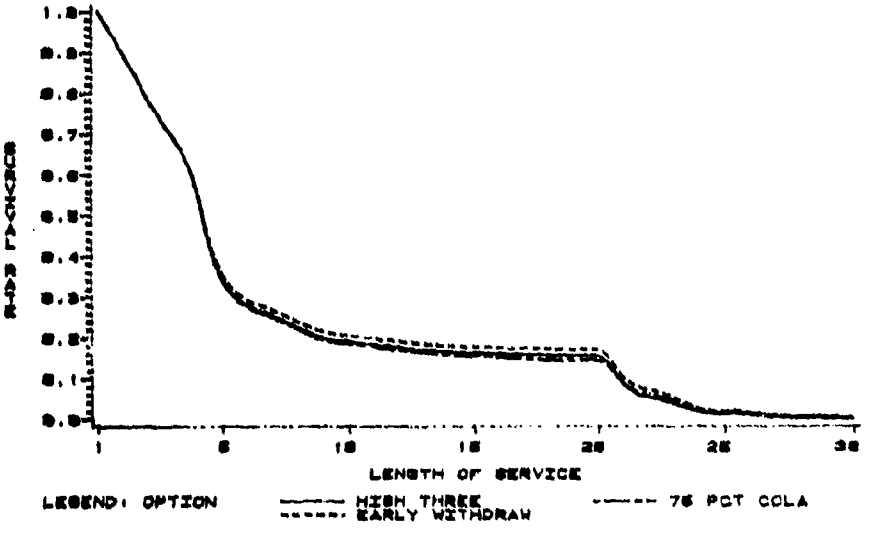
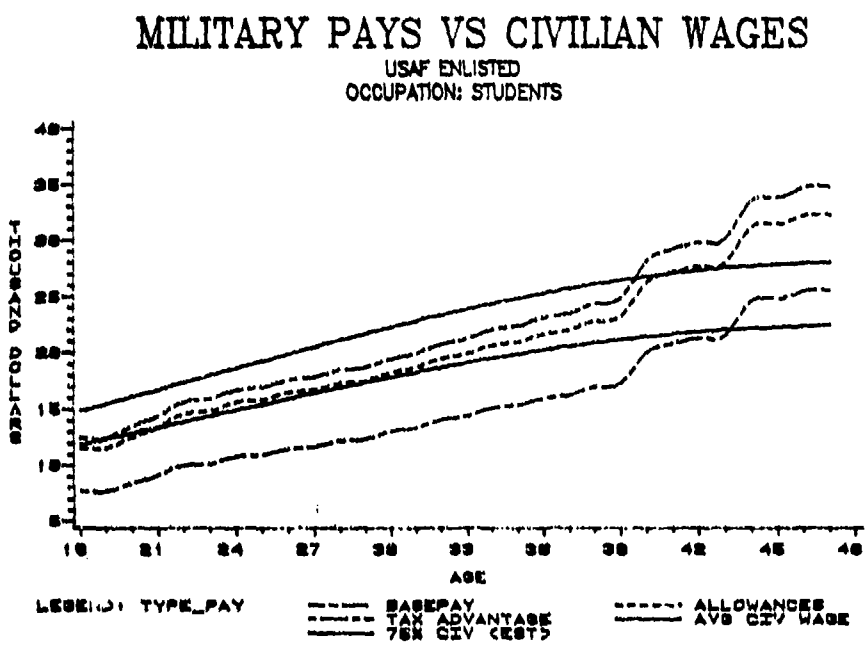


Figure N-III.D.10
USAF Non-Occupational Students



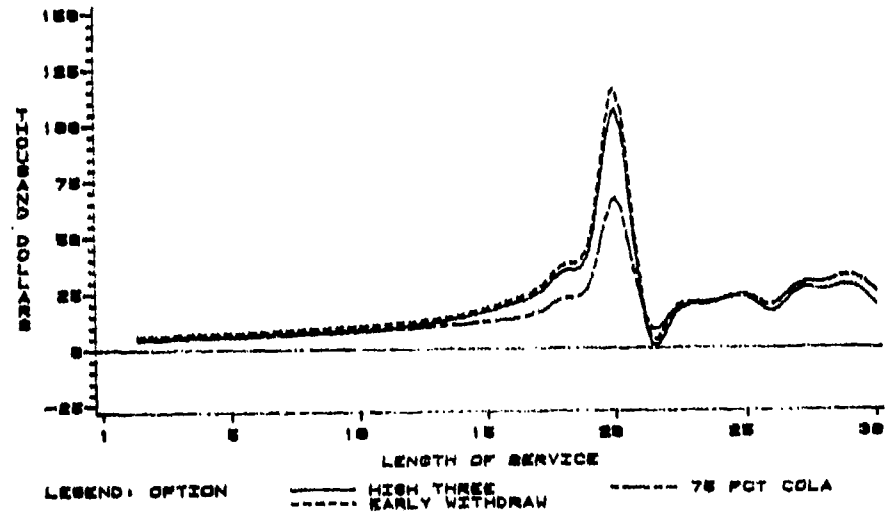
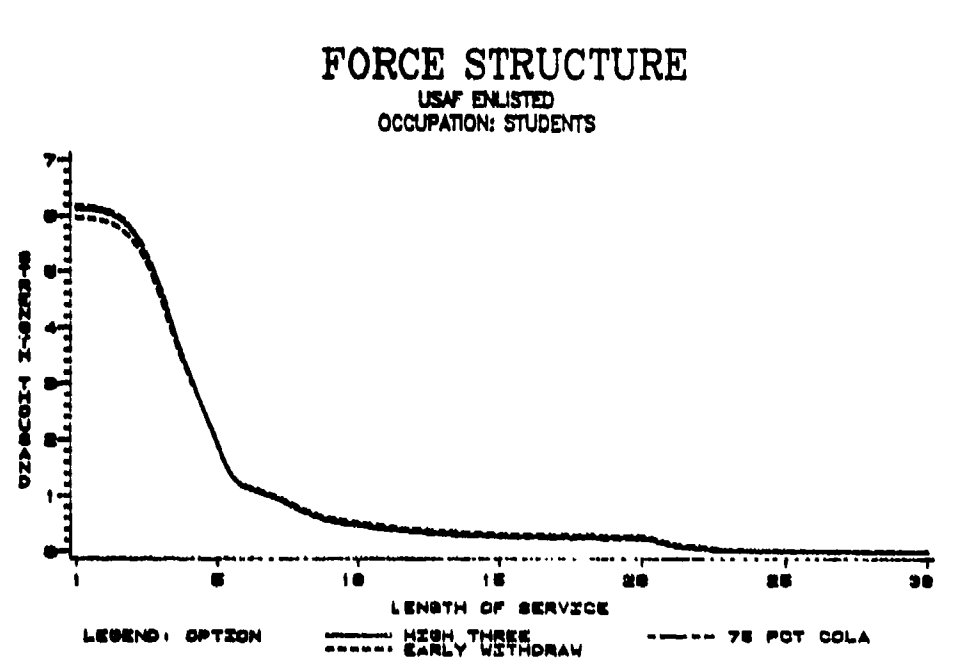


Figure N-III.D.10 (Cont)



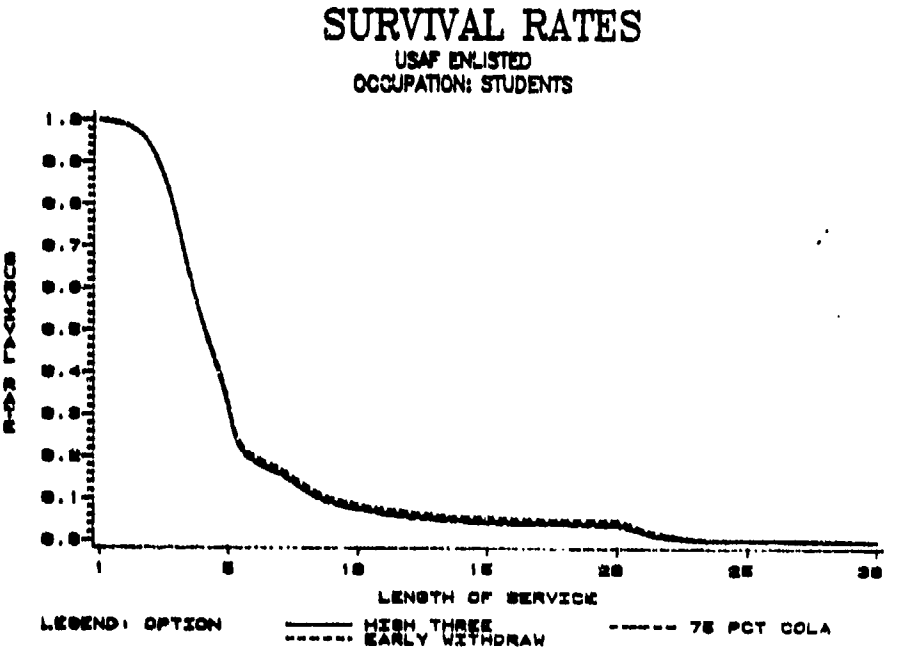
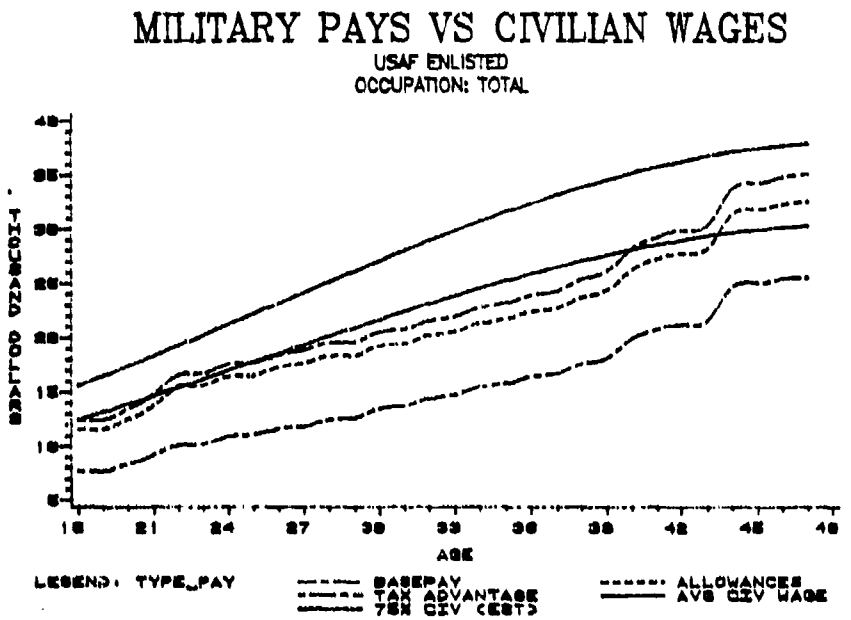


Figure N-III.D.11
USAF Total Enlisted



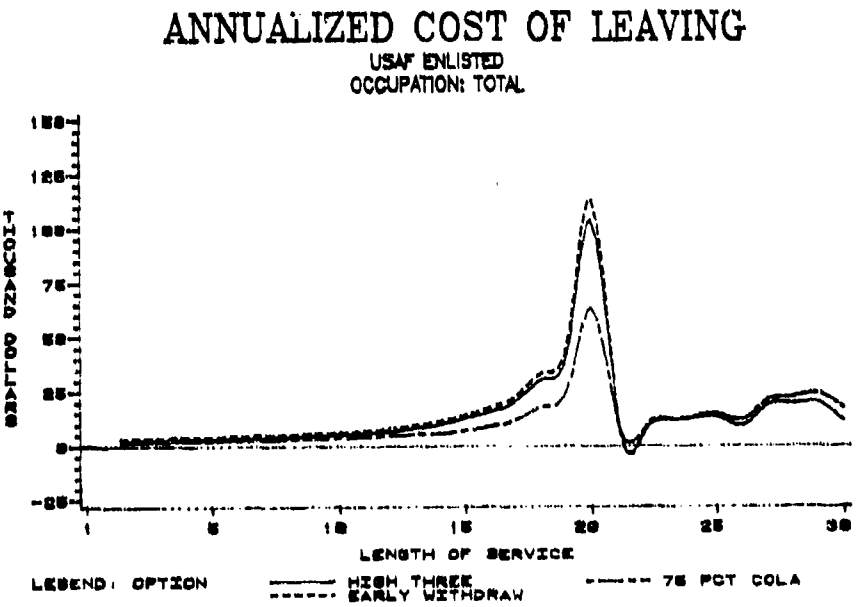
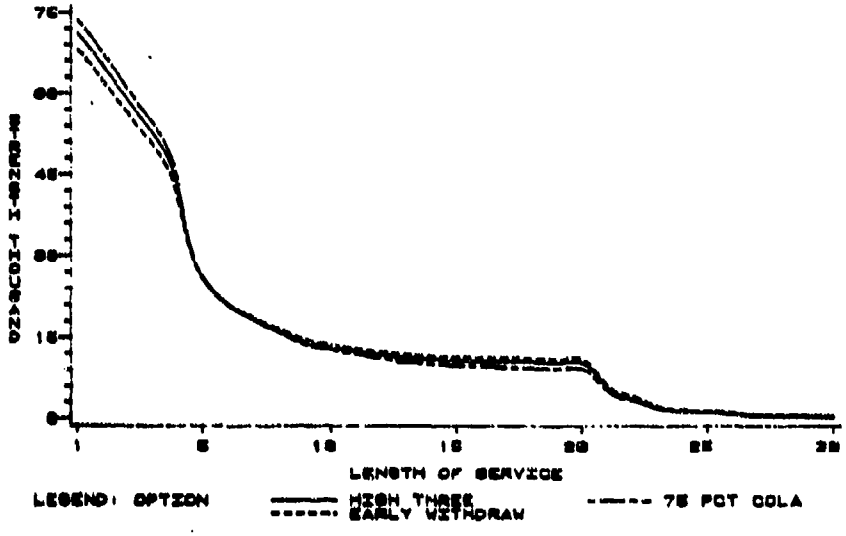


Figure N-III.D.11 (Cont)

FORCE STRUCTURE

USAF ENLISTED
OCCUPATION: TOTAL



SURVIVAL RATES

USAF ENLISTED
OCCUPATION: TOTAL