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MARINE CORPS PROVISIONING POLICY REVIEW STAFF STUDY REPORT.(U)
OCT 80

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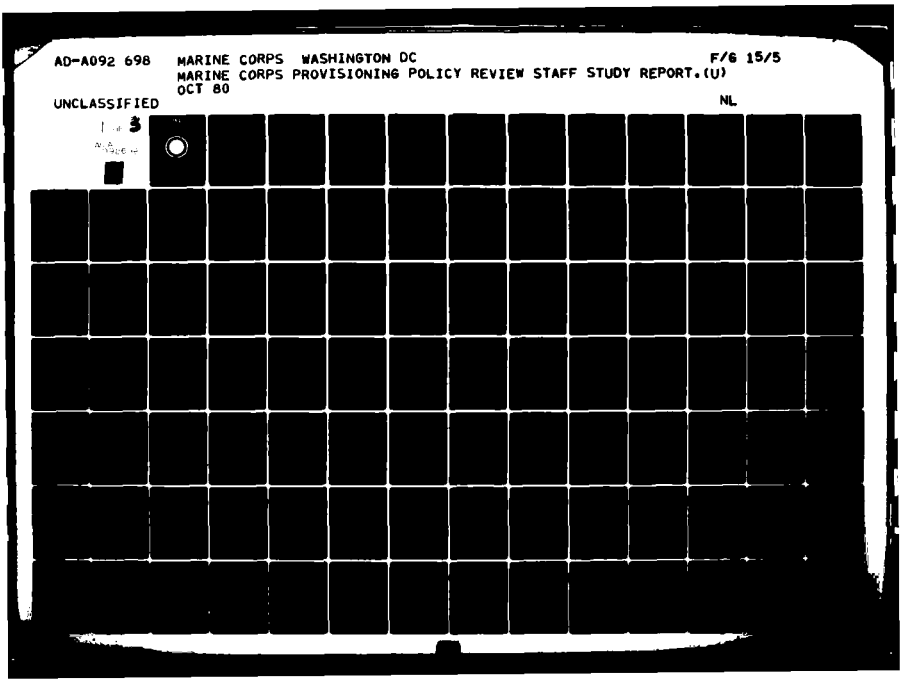

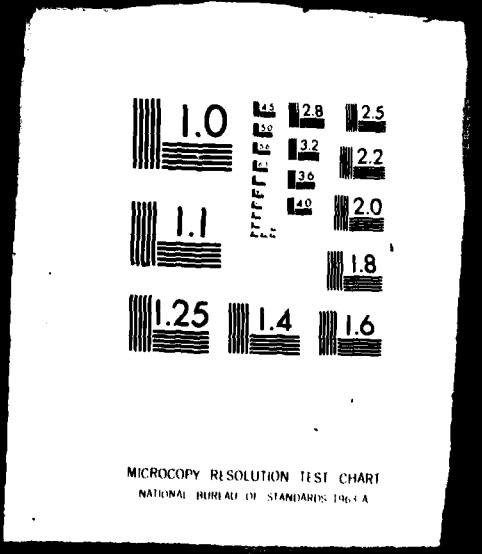

...DENSITY POLICY CHANGES

LEVEL II

12

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MARINE CORPS PROVISIONING

POLICY REVIEW

STAFF STUDY REPORT

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DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, D.C. 20380

IN REPLY REFER TO

LMA-1/RRS/avs
4400/40
11 28 OCT 1980

From: Commandant of the Marine Corps
To: Distribution List

Subj: Marine Corps Provisioning Policy Review Staff Study Report

1. The study objectives were to determine if the current provisioning policy provided for stated equipment availability at minimum cost, to identify improvements in current policy that would achieve a given equipment availability at reduced cost, and to identify areas for further study.

2. In accomplishing the above objectives, thirty-four provisioning projects across all three active Marine Amphibious Forces were studied.

3. The results of the study are concurred in.

4. A copy of this letter will be affixed inside the front cover of each copy of the subject study report prior to its distribution.

H. A. Hatch

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H. A. [illegible]
Dep[illegible] of Staff
for [illegible] and Logistics

1 AUG 1980

PROVISIONING POLICY REVIEW STUDY REPORT

Completed for the Deputy Chief of Staff for Installations and Logistics by the following staff members:

Signature

Chairman: Colonel J.W.Brown,HQMC,Code LMM

Members: Colonel R.N.Rackham,MCLB,Albany,Ga.
Lt.Colonel A.H.Dow,MCLB,Albany,Ga.
Major P.P.Darling,HQMC,Code LPP
Captain D.L. Chadwick,HQMC,Code LPS
Captain C.G.Durand,HQMC,Code LMM
Mr.K.R.Storms,HQMC,Code LMA

PROVISIONING POLICY STUDY REPORT

EXECUTIVE SUMMARY

Background

Marine Corps Order P4400.79C (Provisioning Manual) was last published in July of 1976 with subsequent changes having been promulgated in July of 1977 and in March and June of 1978. The purpose of the Provisioning Manual is to establish the Marine Corps' basic policy concerning the actions to be taken to insure adequate and timely initial support for the introduction of new weapons systems and equipments into the Marine Corps. Within those essential provisioning actions to be taken is the identification, computation, acquisition and positioning of initial spares (reparable components)/repair parts that are necessary to insure that the Fleet Marine Forces realize a high degree of availability of the new end-items during their introductory period.

Problem

The Fleet Marine Force's provisioning experience, since the 1976 publication of the Provisioning Manual,has generated a consensus that the current provisioning policy contributes to inordinate spare/repair parts excesses and deficiencies but does not necessarily contribute to high levels of weapons system or equipment availability during introduction. However, this consensus has not been validated by any quantifiable information since the publication of the Provisioning Manual.Efforts by the Marine Corps Logistics Base, Albany, Georgia to develop a Provisioning Effectiveness Evaluation System have been frustrated due to the more pressing requirement for the development of the Marine Corps Standard Supply System (MSSS). Consequently, on 14 September 1979, the DC/S for I&L established a Study Group for Provisioning Policy Review to attempt to resolve this problem. The Study Group was chartered to conduct a thorough review and analysis of the Marine Corps provisioning policy in light of experience acquired in the Fleet Marine Forces subsequent to promulgation of the Provisioning Manual.The charter did not include review and analysis of policy with regards to initial issue computational factors, in-stores system war reserve stock,system stock,or the assembly and distribution of the initial issue.

Scope

The Study Group was authorized to solicit comments, recommendations and data for the study from any source within the Marine Corps and to determine the specific causes contributing to excesses and deficiencies. The authority of the Study Group was specifically limited to an advisory capacity with actions to be confined within an approved study plan. (Annex B).

Methodology

A study plan that set forth eleven specific tasks to be accomplished

by the Study Group was approved by the DC/S for I&L on 27 October 1979. (Annex C). Within those tasks, the study plan charged the Study Group to establish measures of effectiveness; to establish a data base; to conduct an in-depth analysis of the data; to evaluate effectiveness and to identify recommended changes to provisioning policy. The accomplishment of those tasks have been identified and approved by the submission of progress reports. (Annexes D, E, F, and G).

Results

There were two significant results of this study:

(1) On 3 June 1980, the DC/S for I&L was briefed by the Study Group of the preliminary finding that there is overwhelming evidence of over-provisioning. In addition,if the preliminary recommendations identified by the Study Group, had been implemented in the case of the projects under analysis by the Study Group, the provisioning availability of the end items was estimated to have been 94%. (This 94% availability compares to the average 95.5% availability under the current policy). However, the investment for those projects would have been reduced by approximately 35% had the recommended policy been in effect. Thus, the recommended changes to policy were forecasted to have yielded an equipment weapons system availability of 94% while decreasing the funds investment by 35%. Consequently,the DC/S for I&L submitted a decision memorandum on June 20 1980 to the Assistant Commandant and Chief of Staff of the Marine Corps recommending that: the Marine Corps neither acquire nor provide repair parts for garrison operating level initial issue stock when a local vendor, contractor or integrated materiel manager source is available;the Marine Corps neither acquire nor provide insurance item repair parts for an initial issue mount out that do not compute to an allowance when the repair part is readily available from an integrated materiel manager or from the commercial market. (Annex H).

(2) In order to quantify the analysis of the effectiveness of current provisioning policy, a computer program to interrelate various MIMMS/ SASSY files was developed by the Study Group.This compilation of the data elements represents a significant achievement. This program is recommended to be used by MCLB Albany as the Provisioning Effectiveness Evaluation Reporting System. (Annex I).

TABLE OF CONTENTS

STATEMENT OF OBJECTIVES

The study objectives derived from the mission and operation statements set forth in the study charter are:

a. Determine if current provisioning policy provides for stated equipment availability at minimum cost.

b. Identify improvements in current policy that are necessary to achieve stated equipment availability at reduced cost.

c. Identify areas that may require additional study.

MAJOR FACTORS AND FACTS

a. Experience in the FMF has indicated that current provisioning policy has resulted in spare/repair parts excesses and deficiencies.

b. The following DOD provisioning policies were considered as major factors by the Study Group:

(1) The principle objective of provisioning is to assure the timely availibility of minimum initial stocks of support items at using organizations and at maintenance and supply activities to sustain the programmed operation of end items until normal replenishment can be effected, and to provide this support at minimized initial investment cost. (A/1 p.2).

(2) Calculated risks should be taken during the initial support period by deferring procurement of part of the computed requirements whenever such risks are acceptable in the context of available resources. (A/1 p.3).

(3) The use of contractor/vendor support during the early end item production period should be used when considered to be cost-effective. (A/1 p.5).

(4) Commercially available end items will not be provisioned without first validating a need for on-hand inventories of support items in lieu of reliance on commercial sources for support. (A/1 p.6).

(5) War reserve/mobilization stocks of support items will not be procured during the early introduction phase of new end items into the operating inventory. Such stocks may be procurred and positioned with an end item only at the time the end item is assigned to a major military mission. (A/1 p.7, A/5 pp.2-16).

(6) Initial retail levels of spare and repair parts (GOL) will be limited to order and shipping time (OST) requirement plus an initial operating level of one. (A/1 pp.7&9).

c. The Marine Corps' primary mission is a Force in readiness,consequently combat essential equipment is assigned a major military mission upon its introduction into the Marine Corps.

d. Due to the scope of initial provisioning, a review of initial provisioning policy for in-stores prepositioned war reserve materiel requirements was excluded from this study. (A/4 p.5, A/5 pp.2-16, A/6 pp.4-5, A/27 pp.4-7).

e. Due to the scope of initial provisioning and an on-going related study, a review of provisioning policy for initial system stock was excluded from this study. (A/6 pp.4-8).

f. Non-combat essential general purpose electronic test and measuring equipment may be supported by contractor support for an initial period of operation. (A/17 p.3, A/18, A/19).

g. Training materiel support will be provided by training materiel accountable commanders. (A/3 p.6).

h. Designated critical low density end items will be provided a 180 day level initial issue garrison operating level (GOL) of spare and repair parts. The 180 day level includes initial prepositioned war reserve materiel normally retained in the stores system. (A/10 p.2).

i. Supply and maintenance support of classified spare and repair parts of cryptographic equipments are provided by the Naval Supply Systems Command. (A/12 p.1).

j. Due to the scope of initial provisioning, a review of initial provisioning policy for the derivation of repair parts failure rates and maintenance factors was excluded from this study. (A/6 pp.1-14, A/16, A/26).

k. Initial cannon tube and cannon assembly requirements are computed by Headquarters, Marine Corps (LMW) based on an analysis of class V(W) planning factors.(A/20 p.1).

l. Due to the scope of initial provisioning a review of the policy and procedures for assemblying and providing the initial issue spares and repair parts to supported units was excluded from this study.

ASSUMPTIONS

a. The following Marine Corps policy for war reserve materiel may be modified for specific weapon systems/equipments when readiness can be achieved through alternative means.

(1) War reserve materiel requirements for weapon systems/equipments are calculated to support each MAF and the 4TH Division Wing Team for the period of support authorized by the current edition of the Secretary of Defense Consolidated Guidance.

(2) War reserve materiel for weapon systems/equipments will be procured to meet the stated requirement,subject to budgetary restrictions which may be imposed by higher authority during the POM development and Budget process.

(3) War reserve materiel for Weapon Systems/Equipment will be held in the Marine Corps stores system in a protected status,less those assets held by Active Forces as mount-out.These assets are afforded the same protection and high state of readiness as those held by the FMF and in the stores system.

b. The minimum acceptable readiness goal for newly introduced equipment availability will be as stated in the equipment Required Operational Capability (ROC) document.

c. The MIMMS (Marine Integrated Maintenance Management System) Equipment Repair Order History File provides a spare/repair parts empirical data base.

DISCUSSION

Since experience has indicated that the current provisioning policy has resulted in spare and repair part excesses and deficiencies, the study group set out to validate and quantify the magnitude of these inaccurate predictions. In order to do this, a set of measures of effectiveness (MOE's) was developed and applied to both consumable and reparable spares/repair parts. These MOE's provided specific figures for such factors as: the fraction of a time period an end item was deadlined awaiting parts; the cost of GOL shortages and overages with respect to the total cost of the initial issue package stated as a percentage; the percentage of provisioned NSN's with no demand with respect to the range of NSN's provisioned; the number of critical parts ordered NOR's(not operational ready supply) during the provisioning period and the cost of the initial issue. (Annex J).

Thirty-seven initial issue provisioning projects were analyzed using the set of nine measures of effectiveness. The projects' in-service dates ranged from February 1977 to November 1979. Ideally, these projects would have been selected randomly across all commodity areas. However, the projects were chosen solely upon the availability of initial issue consolidated lists. Fortunately,an analysis of a broad spectrum of equipment types was still possible. Projects included in the study ranged from air conditioners and trucks to communications and electronic equipment. (Annex K).

The inputs necessary to compute the measures of effectiveness were derived from a variety of sources. The MIMMS equipment repair order history file was compared to the SASSY master header information file (MHIF), the general account balance file (GABF), and the maintenance float balance file (MFBF). (Annex I). The data thus generated were used as inputs to calculate the measures of effectiveness. The distillation of these data elements represents a major achievement of the study. Table I , Annex J shows the formulas and the sources of the data elements for these calculations.

In comparing demand to quantities provisioned, maintenance history files from I MAF, II MAF, and III MAF, covering the period from late 1978 to early 1980 were analyzed. Utilizing an approximate 16 month maintenance history window (485 days) results in fractional part usage when the average demand for parts over the smaller provisioning period (60 days)

is calculated. For example, if nine demands are recorded for a part over the 16 month period, then the average monthly usage is 9 divided by 16, for an average demand of .5625 parts per month. If one is provisioning for a 2-month period (60 days), then on the average one may expect a demand for 1.125 parts during the provisioning period. How one treats the .125 fractional usage is called a rounding policy. In Annex J, Table III, the measures of effectiveness which change with the rounding policy are displayed. As one rounds up from smaller fractional amounts, such as .15 which roughly corresponds to one demand during the 16 month period, more evidence of demand appears in the data. Therefore, the rounding policy one chooses will have an impact on those measures of effectiveness which are a function of demand.

CONCLUSIONS

Regardless of the rounding policy, the inescapable conclusion is that, under the present policy, over provisioning occurred in every project that was studied for both consumables and reparables. In approximately 65% of the projects studied, there was no demand at all for the range of consumable items provisioned. Where demand did exist, it was a small fraction of the quantities provisioned (MOE's 2 and 5, Annex J). The evidence of overprovisioning for reparables was particularly conclusive. Only one project showed a demand for a provisioned reparable. Instances of shortages due to range (i.e., there was demand for an item that was not provisioned), were more numerous than shortages due to depth (i.e., where demand exceeded the provisioned quantity). Across all three FSSG's an average of 21% of the projects studied evidenced shortages due to range, while an average of 9% of the projects experienced shortages in depth. The overall equipment repair parts availability of the 37 initial provisioning projects was 94%. That is, during the 16-month maintenance period analyzed, the average end item was not awaiting parts 94% of the time. This is termed provisioning availability. Provisioning availability does not account for downtime due to repairs in progress or awaiting repairs. This overwhelming evidence of overprovisioning led the study group to recommend the following policy changes.

RECOMMENDATIONS

a. That initial issue garrison operating level (GOL) of repair parts neither be acquired nor provided to support the introduction of new end items into the FMF when the end item is under a one year warranty and a repair parts vendor is locally available.

b. That initial issue garrison operating level (GOL) of repair parts neither be acquired nor provided to support the introduction of new end items into the FMF when a one year repair parts basic ordering agreement is established in the end item contract to permit FSSG's to acquire repair parts as needed.

c. That initial issue garrison operating level (GOL) of repair parts neither be acquired nor provided to support the introduction of new end items into the FMF when the Marine Corps is already registered as a user of the

repair part, and the repair part is managed and stocked by an integrated materiel manager or service. (Refer to Figure 1.)

d. That initial issue mount-out (MO) levels of repair parts that do not compute to an allowance for a 60 day period (or a 180 day period for designated critical low density end items) neither be acquired nor provided as insurance items when the Marine Corps is already registered as a user of the repair part and the repair part is managed and stocked by an integrated materiel manager or service.

e. That initial issue mount-out (MO) levels of repair parts that do not compute to an allowance for a 60 day period (or a 180 day period for designated critical low density end items) neither be acquired nor provided as insurance items when the repair part is a consumable repair part readily available on the commercial market and is not a discrete consumable or repairable which is part of a critical low density end item.

f. That initial issue mount-out (MO) levels of repair parts that do not compute to an allowance (60 day period or a 180 day period for designated critical low density end items) neither be acquired nor provided as insurance items when; the repair part is a consumable repair part, not readily available on the commercial market, or stocked by an integrated materiel manager or service, and is unique to a reparable item only.

g. That initial issue mount-out (MO) levels of repair parts that do not compute to an allowance (60 day period or a 180 day period for designated critical density end items) neither be acquired nor provided as insurance items for support of low density end items when the repair part does not compute to an allowance for a 360 day period. (Refer to Figure 2.)

h. That the Provisioning Effectiveness Evaluation System developed during the study be utilized for continuing evaluation of initial issue provisioning effectiveness.

i. That follow-on studies be conducted to review the following provisioning policies:

(1) Policy for evaluating and updating repair parts failure rates, order-ship-times, maintenance replacement rates, repair cycle times, repair rates, and wash-out rates used for initial provisioning requirements computations.

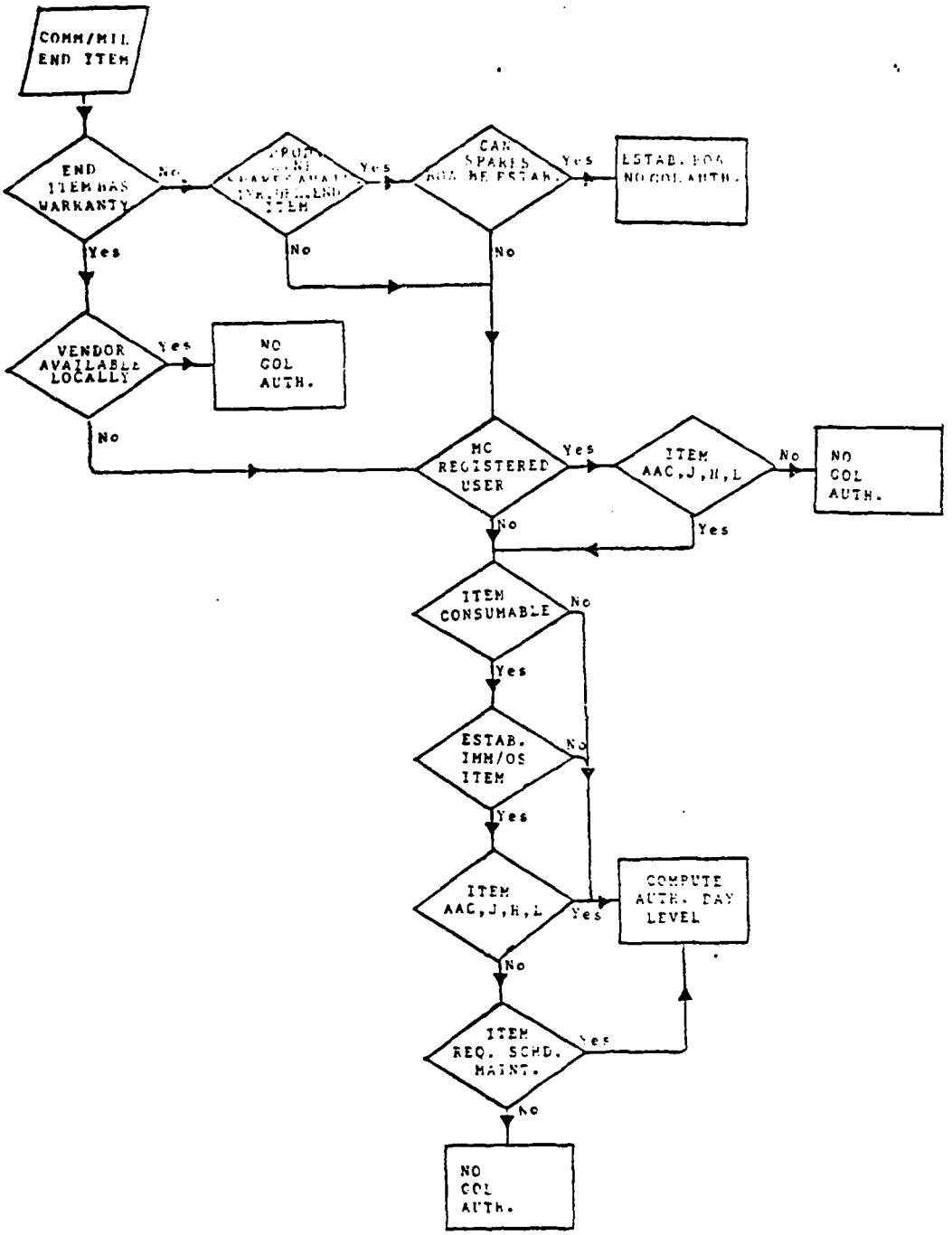
(2) Policy for determining and acquiring initial provisioning in-stores prepositioned war reserve.

(3) Policy for determining and acquiring initial provisioning system stock.

(4) Policy and procedures for assembling and distributing initial issue (GOL and MO) spares/repair parts to supported units.

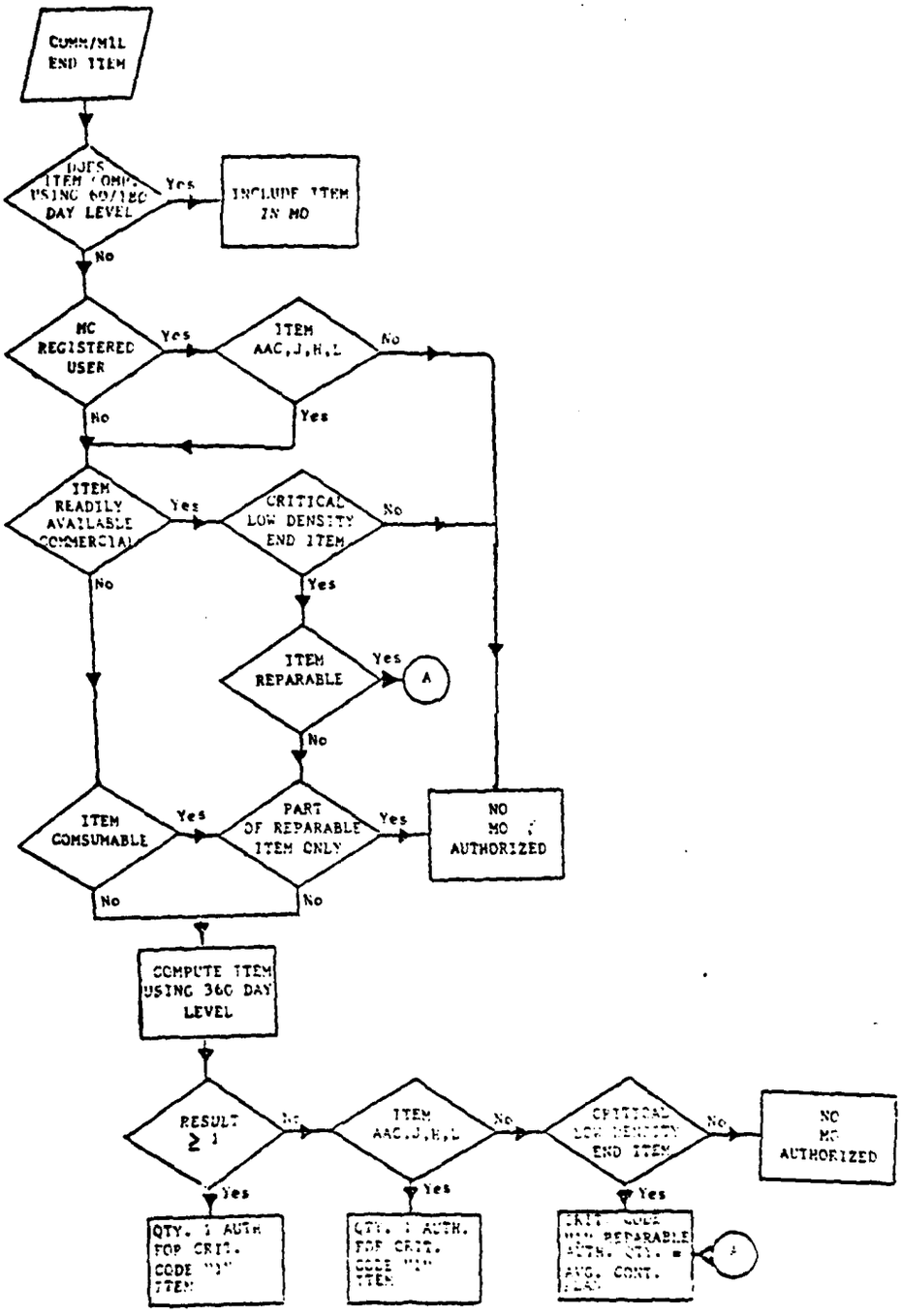
GARRISON OPERATING LEVEL (GOL) POLICY CHANGES

(FIGURE 1)



MOUNT-OUT (MO)/CRITICAL LOW DENSITY POLICY CHANGES

(FIGURE 2)



ANNEX A

BIBLIOGRAPHY

1.	DOD D 4140.40	Basic Objectives and Policies on Provisioning of End Items of Materiel
2.	DOD I 4140.42	Determination of Initial Requierments for Secondary Item Spares and Repair Parts
3.	MCO 1551.1F	Training Materiel
4.	MCO 4400.32B	Policy for Logistics Support of New Equipment Introduced Into The Marine Corps
5.	MCO P4400.39D	War Reserve Policy Manual
6.	MCO P4400.79C	Provisioning Manual
7.	MCO 4400.120	Joint Regulation Governing the Use and Application of Uniform Source,Maintenance,and Recoverability Codes
8.	MCO P4400.123B	FMF SASSY Accounting Manual Volume II SASSY Management Unit Procedures
9.	MCO P4400.125	FMF SASSY Accounting Manual Volume IV Maintenance Float Procedures
10.	MCO 4400.141	Critical Low-Density Equipment Secondary Item Support
11.	MCO P4410.22A	Elimination of Duplication in the Management and Logistics Support of Multi-Used Non-consumable Items
12.	MCO 4408.2D	Spare Parts Support,Maintenance,and Repair of Cryptographic Equipment
13.	MCO 4140.26M Vol I	Defense Integrated Materiel Management Manual for Consumable Items Volume I Commodity Oriented Items
14.	DOD 4140.26M Vol II	Defense Integrated Materiel Management Manual for Consumable Items Volume II Weapon System Oriented Items
15.	MCO 4710.2E	Engineer/General Supply Equipment Repair Criteria
16.	MCO 4856.1A	Maintenance Engineering
17.	MCO 10510.18	Policy and Responsibility for Electronic Test and Measuring Equipment
18.	SC-04294B	Calibration Complex Transportable AN/TSM-119 Support Concept
19.	SC-6625/2	Electronic Test and Measuring Equipment Support Concept
20.	SI-4400-15/1	Initial Provisioning Requirements for Cannon Tubes and Cannon Assemblies Equipping/Provisioning and Allowances

21. Haber and Sitgraves, "A Methodology for Estimating Expected Usage of Repair Parts With No Usage History",George Washington University,October 1969

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24. R.B.Ringo and T.H.Allen,"Marine Corps Materiel Throughput Distribution System(1977-1986)", SRI International,Janurary 1979

25. Naval Audit Service,"Principal End Item Requirements Determination at HQMC",Janurary 1979

26. Marine Corps Level of Repair Analysis Model Description

27. CMC Letter LMO-2-KRS/mb dated 6 March 1978 to CG,MCLA,Albany,Georgia

DEPARTMENT OF THE NAVY

Memorandum

ANNEX B

LMA-1-KES/elt

DATE 14 SEP 1979

FROM Deputy Chief of Staff for Installations and Logistics

TO Colonel Jerome W. Brown, USMC

SUBJ Provisioning Policy Review, Study Group for

REF: (a) MCO P4400.79c

1. The reference prescribes the provisioning policy and management principles for the identification, computation, acquisition and positioning of initial spares/repair parts, that are necessary to support the introduction of end items into the Fleet Marine Forces. This directive has been in effect approximately three years and, as with any complex management process, the expected results of actual spare/repair parts usage/demands are not always realized. Experience has shown that current provisioning policy has resulted in spare/repair part excesses and deficiencies. Consequently, an in-depth review of current provisioning policies is required in order to determine the specific causes contributing to excesses and deficiencies.

2. I am hereby establishing a study group in accordance with the following charter:

a. Section I

Mission: Conduct a thorough review and analysis of Marine Corps provisioning policy in light of experience acquired subsequent to promulgation of MCO P4400.79c.

b. Section II

Membership:

(1) Composition: Representatives to the Study Group are as follows:

Billet	Members/Organization
Chairperson	Col. J. W. Brown, LPM
Provisioning member	Mr. K. R. Storms, LMA

Subj: Provisioning Policy Review Study Group for

Billet	Members/Organization
Operations research/analyst member	Major P. Darling, LPP
Systems/modeling member	Captain D. Chadwick, LPS
SASSY/MIMMS member	Captain G. Durand, LPM
Provisioning member	To be designated - MCLB, Albany, GA

c. Section III

Operation:

(1) Members shall convene at the call of the chairperson and perform tasks as assigned by the chairperson. The Study Group shall:

(a) Review, assess and establish measures of effectiveness of current provisioning policy.

(b) Identify data sources, data elements, and field activities requiring liaison trips to establish a data base for analysis of current provisioning policy.

(c) Collect data to include end items for each commodity area within the demand development periods of one, two, three and four years.

(d) Conduct an in-depth analysis of the data to evaluate effectiveness of current provisioning policy and identify recommended changes thereto.

(e) Subject each recommended change to provisioning policy to analysis/modeling to quantify the performance of each alternative with an approved measurement of effectiveness.

d. Section IV

Authority and Reporting Procedures:

(1) The Study Group shall have authority to solicit comments, data, and recommendations for this study from any source within the Marine Corps.

(2) The authority of the Study Group is limited to an advisory capacity and shall not be directive in nature.

(3) Duration of this study is [illegible] from date of this memorandum. Request for extension thereto will be considered dependent on justification.

Subj: Provisioning Policy Review Study Group for

(4) The Study Group chairperson shall be responsible for reporting the progress and the results of the Study Group actions to the Deputy Chief of Staff for Installations and Logistics and Director, Materiel Division. Progress reports shall be submitted as deemed appropriate but not less than bi-monthly.

(5) The Study Group will be formally dissolved at the direction of the chairperson upon completion of the mission.

3. The Study Group shall establish a study plan, including milestones of scheduled actions, and resource requirements for TAD trips, and submit the plan to me for approval within two weeks from the date of this memorandum.

H. A. HATCH

Copy to:
LM
LPS
LPP
LMM

ANNEX C

NAV 5216/1 (REV. 8-70)
0101-LF-776-6000

DEPARTMENT OF THE NAVY

Memorandum

LMA-1/KRS/bsj
4400/40

DATE 28 SEP 1070

FROM: Chairperson, Marine Corps Provisioning Policy Review Study Group

TO: Deputy Chief of Staff for Installations and Logistics

SUBJ: Marine Corps Provisioning Policy Review Study

Ref: (a) DC/S, I&L memo LMA-1-KRS/elt memo dtd 14 Sep 79 to Col. J. W. Brown

Encl: (1) Marine Corps Provisioning Policy Review Study Plan

1. As directed by the reference, the enclosure is forwarded for approval.

Jerome W. Brown

JEROME W. BROWN

Copy to:
Dir., Mat Div. w/enclosure

DC/S I&L Action:

Approved H. A. Hatch 22 Oct 79

ANNEX C

MARINE CORPS

PROVISIONING POLICY

REVIEW STUDY

PLAN

ANNEX C

A. General Discussion.

On 14 September, 1979, the Deputy Chief of Staff for Installations and Logistics (DC/S, I&L memo LMA-1-KPS/elt) directed that a "Provisioning Policy Review Study Group" be established to conduct a thorough review and analysis of Marine Corps provisioning policy in light of the experience acquired subsequent to promulgation of MCO P4400.79C. (Marine Corps Unified Materiel Management System Provisioning Manual). This Provisioning Manual prescribes the policy and management principles for the identification, computation, acquisition and positioning of initial spares/repair parts, that are currently considered necessary to support the introduction of end items into the Fleet Marine Forces. The current Provisioning Manual has been in effect approximately three years. The DC/S, I&L memo pointed out that experience has shown that current provisioning policy has resulted in spares/repair parts excesses and deficiencies. Consequently, an in-depth review of current provisioning policies is required in order to determine the specific causes contributing to excesses and deficiencies. This Study Plan is established for the purpose of facilitating the orderly review and analysis of provisioning policy and is submitted for approval as directed by the DC/S I&L memo.

B. Initial Assumptions.

1. The following Marine Corps policy for War Reserve Materiel may be modified for specific Weapons Systems/Equipment when readiness can be achieved through alternative means:

(a) War Reserve Materiel Requirements for Weapons Systems/Equipment are calculated to support each MAF and the 4th Division Wing Team for the period of support authorized by the current edition of the Secretary of Defense Consolidated Guidance.

(b) War Reserve Materiel for Weapons Systems/Equipments will be procured to meet the stated requirement, subject to budgetary restrictions which may be imposed by higher authority during the POM development and budget process.

(c) War Reserve Materiel for Weapons Systems/Equipments will be held in the Marine Corps stores system in a protected status, less those asset held by active forces as Mount Out (60 day level). These assets are afforded the same protection and high state of readiness as those held by the FMF and in the stores system.

2. The minimum acceptable readiness goal for newly introduced equipment availability will be that as stated in the Equipment Required Operational Capability (ROC) Document.

C. Specific Tasks. The specific tasks to be accomplished follow and the planned completion milestones are contained in Figure (1..

ANNEX C

Task 1: Review current provisioning policy documentation and past related study efforts.

Task 2: Establish specific study assumptions, objectives and measures of effectiveness:

(a) Topics to be addressed

(b) Priority of topics

(c) Assign Study Group members specific areas of responsibilities.

(d) Establish measures of effectiveness ((i.e.): (a) cost/availability, (b) cost & number of items in excess, (c) cost & number of items deficient, (d) cost & number of items utilized, (e) percentage of cost and number of items excesses, (f) percentage of cost and number of items deficient), (g) NORS experience).

Task 3: Identify listing of Initial Issue Projects and End Items to be analyzed during the study:

(a) Include Principal End Items from each commodity area.

(b) Include Initial Issue Projects within the following demand development periods:

(1) One Year

(2) Two years

(3) Three years

(4) Four years

Task 4: Submit progress report and obtain approval of study assumptions, objectives, and measurements of effectiveness from the DC/S, I&L.

Task 5: Establish data elements and sources required for analysis, such as:

(a) MIMMS/SASSY - repair/demand data.

(b) End item utilization data (e.e number of end items in use, operating hours/rounds/miles).

(c) Initial issue listings

(d) Failure/repair factors used for computations.

(e) Failure/repair factors predicted by manufacturers/ other service/agencies.

Task 6: Collect/request data in specific formats and establish data base for further analysis to include military and commercial activities external to the Marine Corps:

(a) Conduct preliminary data analysis.

(1) Review data in view of study objectives.

(2) Identify field activities requiring liasion trips by Study Group:

a Clarify questions raised during preliminary data review.

b Clarify data elements and sources.

c Establish points of contact.

Task 7: Submit progress report to the DC/S, I&L.

Task 8: Conduct in-depth analysis of data to evaluate current provisioning policy:

(a) Identify trends/causes for deficiencies/excesses.

(b) Identify current strengths and weaknesses.

(c) Determine current policy performance in regard to measurements of effectiveness. (i.e., cost/availability/excesses/ deficiencies).

(d) Recommend potential improvements to current policy.

Task 9: Submit progress report containing potential provisioning policy improvements to the DC/S. I&L.

Task 10: Identify optional policies (i.e., warranties, contractor support, contractor provisioning, commercial support, limited initial support) and develop models to assist in evaluating impact and performance of the various alternatives. Utilize actual field data and consider both combat and peacetime usage. Subject each policy to the model

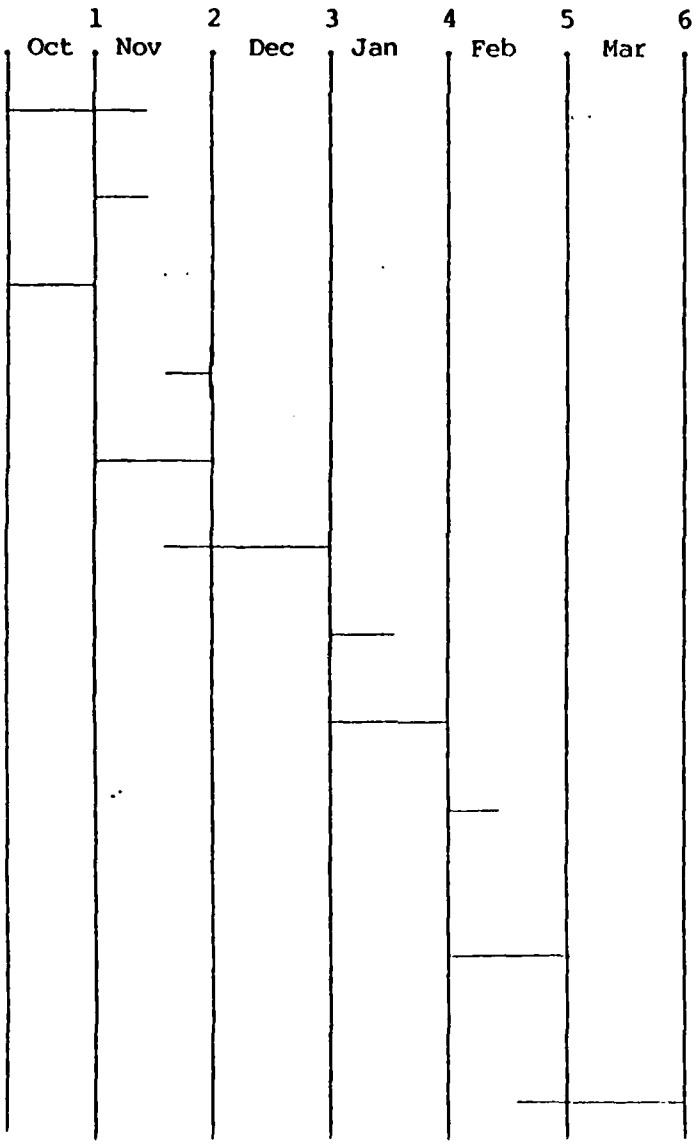
to quantify the performance of each alternative with a measurement of effectiveness. Compare model results to measurement of effectiveness and identify each alternative's strengths and weaknesses.

Task 11: Submit a final report of the Study Group's findings and recommendations to the DC/S, I&L for approval.

FIGURE 1 - STUDY SCHEDULE AND MAN-LOADING REQUIREMENTS

Calendar Time in M ns

14Sep79



TASK	Direct - Labor Man - Months				
	LPP	LPS	LMM	LMA	MCLBA
1. Review Documentation	1	3/4	1/2	1/2	1/2
2. Establish Assumptions, Objectives, and Measurements of Effectiveness	1/8	1/2	1/4	1/2	1/2
3. Identify Initial Issue Projects					1
4. Submit Progress Report and Obtain Approval	1/8		1/16	1/2	
5. Establish Data Elements and Sources	1/2	1/2	1/2	1/2	1/2
6. Collect Data	1	3/4	3/8	1 1/2	1
7. Submit Progress Report	1/8		1/16	1/2	
8. Conduct Analysis	3/4	1	1/4	1/2	1/2
9. Submit Potential Policy Change Recommendations	1/8		1/16	1/2	1/2
10. Identify Alternative Policy Changes, Quantify by Modeling, and Conduct Analysis	3/4	1	1/4	1	1
11. Submit Final Report	1/8		5/16	1	1/4
TOTAL	4 5/8	4 1/2	2 5/8	7	5 3/4

ANNEX C

ANNEX C

PROJECTED RESOURCE REQUIREMENTS

TEMPORARY ADDITIONAL DUTY

ITINERARY	NUMBER OF PERSONNEL	NUMBER OF DAYS	ESTIMATED COST	
III MAF	3 (HQMC) 1 (MCLBA)	7 7		
I MAF	3 (HQMC) 1 (MCLBA)	3 3	Travel PerDiem	$4,576 2,856
MCB, 29 Palms	3 (HQMC) 1 (MCLBA)	2 2	Other	500
MCLB, Barstow	3 (HQMC) 1 (MCLBA)	1 1	Subtotal	$7,932
II MAF	3 (HQMC) 1 (MCLBA)	4 4		$1,120
MCLB, Albany	3 (HQMC)	3		$889
MCLBA	3 (HQMC)	3		$889
[illegible]MC	1 (MCLBA)	3		$388
HQMC	1 (MCLBA)	3		$388
HQMC	1 (MCLBA)	3		$388
HQMC	1 (MCLBA)	3		$388
HQMC	1 (MCLBA)	5		$518
National Automotive Parts Association 29 E. Madison St. Chicago, Ill	3 (HQMC) 1 (MCLBA)	3 3		$1,716
International Harvester Melrose, Ill	3 (HQMC) 1 (MCLBA)	2 2		$1,716
Sperry Univac Washington, DC	3 (HQMC) 1 (MCLBA)	1 2		N/A N/A
			TOTAL	$14,616

ANNEX D

OPNAV 5216/144 (REV. 5-70)
S/N 0107-LF-778-8099

DEPARTMENT OF THE NAVY

Memorandum

LMM-KRS/elt
~~4400~~/40
11 DEC 1979

FROM Chairman, Marine Corps Provisioning Policy Review Study Group

TO Deputy Chief of Staff for Installations and Logistics
VIA: Director, Materiel Division

SUBJ Progress Report

REF: (a) Marine Corps Provisioning Policy Review Study Plan, approved 15Oct79
(b) CMC ltr LMM-KRS/elt, 4400.40 dtd 30Nov79 to CG, MCLB, Albany, GA

ENCL: (1) Bibliography
(2) Bibliography of Studies Review to Date
(3) Measures of Effectiveness

1. As required by reference (a), the following progress report is hereby submitted:

a. Task 1 has been completed. However, there will be a continuing need to review provisioning policy documentation identified in enclosure (1) and related studies identified in enclosure (2) as the study progresses.

b. Task 2 has been completed and enclosure (3) identifies the measures of effectiveness (MOE's) that have been developed by the study group. The MOE's were coordinated within FMFPac during a liasion visit by the chairman and Colonel R. N. Rackham, the Marine Corps Logistics Base, Albany member of the study group.

The 13 MOE's are designed to identify in a quantifiable manner the efficacy of current provisioning policy.

Since the basic objective of provisioning policy is to provide adequate and timely initial support for newly introduced equipments, a measure of an end item's operational availability is important. The equipment uptime divided by the sum of equipment uptime plus Not Operational Ready Supply (NORS) time will reflect this availability. (MOE #1)

As an indication of the monetary implications of shortages and overages, the unit cost of a part will be used to calculate the total cost of shortages (MOE #2) and overages (MOE #3) in both range and depth. The measure of effectiveness will then be expressed as a percentage of the total cost of the initial issue provisioning package (IIP) for both Garrison Operating Level (GOL) and, in the case of overages only, Mount Out (MO) stocks. (MOE #4)

Subj: Progress Report

As a reflection of an IIP's appropriate makeup, the percentage of items in the range of the IIP with no demand will be determined (MOE #5). Additionally, the percentage of items in the range of the IIP which qualify as RO in the FSSG and CIP accounts will be determined (MOE #6). As a further refinement, the number of critical parts which qualified as RO in the FSSG and CIP accounts and were not part of the IIP will be calculated. (MOE #7)

Another monetary indicator will be the total cost of initial issue items which did not qualify as RO in the FSSG and CIP accounts (MOE #8). In order to reflect the cost of essential items in the IIP, the cost of criticality code 1 items will be expressed as a percentage of the total cost for the IIP. (MOE #9) The adequacy of the range and depth of the IIP will also be reflected in the number of criticality code 1 item shortages. (MOE #10)

In order to highlight whether the primary problem of shortages lies in the range or depth of the IIP, the total time awaiting parts due to range will be expressed as a fraction of the total time awaiting parts. (MOE 11) As another indicator of range vs. depth problems, the number of initial issue projects in which NORS time due to range is greater than NORS time due depth will be noted. (MOE #12)

Finally, as an indication in hindsight of what would have been, the availability of an end item which had been initially provisioned with only those items that met the RO stockage criteria will be calculated. This will be expressed as a percentage of the total uptime divided by the sum or one (1) total uptime plus two (2) total time awaiting parts (NORS) for initial issue times qualified as RO plus three (3) total order and ship time (OST) for items in IIP not meeting RO stockage criteria. (MOE #13)

c. Task 3 has been completed. The initial issue projects and end items to be analyzed were identified and also coordinated within FMFPac during the liasion visit by the chairman and Colonel R. N. Rackham. Coordination and identification of the projects and end items with the MCLB, Albany was accomplished during a liasion visit by the remainder of the study group.

d. Task 5 has been completed and the Task 6 data required for analysis was requested from the MCLB, Albany on 30 November 1979, (reference (b)). The request identified 13 end items and 31 initial issue projects for which data extracts from SASSY and MIMMS files, and initial issue provisioning data are required.

The data once received will be used to establish a data base for quantitative analysis and comparison to measures of effectiveness.

ANNEX D

Subj: Progress Report

2. Task 4 is completed by submission of this progress report. It is requested that approval of the MOE's identified in enclosure (3) be provided.

Jerome W Brown

E W. BROWN
By direction

ANNEX D

BIBLIOGRAPHY

DOD D 4140.40	Basic Objectives and Policies on Provisioning of End Items of Materiel
DOD I 4140.42	Determination of Initial Requirements for Secondary Item Spare and Repair Parts
MCO 1551.1F	Training Material
MCO 4400.32B	Policy for Logistics Support of New Equipment Introduced Inot the Marine Corps
MCO P4400.39D	War Reserve Policy Manual
MCO P4400.79C	Provisioning Manual
MCO 4400.120	Joint Regulation Governing the Use and Application of Uniform Source, Maintenance and Recoverability Codes
MCO P4400.123B	FMF SASSY Accounting Manual Volume 11 SASSY Management Unit Procedures
MCO P4400.125	FMF SASSY Accounting Manual Volume IV Maintenance Float Procedures
MCO 4400.141	Critical Low-Density Equipment Secondary Item Support
MCO P4410.22A	Elimination of Duplication in the Management and Logistics Support of Multi-Used Nonconsumable Items
MCO 4408.2D	Spare Parts Support, Maintenance, and Repair of Cryptographic Equipment
MCO 4140.26M Vol I	Defense Integrated Materiel Management Manual for Consumable Items Volume I Commodity Oriented Items
DOD 4140.26M Vol II	Defense Integrated Materiel Management Manual for Consumable Items Volume II Weapon System Oriented Items
MCO 4710.2E	Engineer/General Supply Equipment Repair Criteria
MCO 4856.1A	Maintenance Engineering
MCO 10510.18	Policy and Responsibility for Electronic Test and Measuring Equipment

ENCLOSURE

ANNEX D

SC-04294B	Calibration Complex Transportable AN/TSM-119 Support Concept
SC-6625/2	Electronic Test and Measuring Equipment Support Concept
SI-4400-15/1	Initial Provisioning Requirements for Cannon Tubes and Cannon Assemblies Equipping/Provisioning and Allowances
	CMC Letter LMO-2-KRS/mb dated 6 March 1978 to CG, MCLB, Albany, Georgia
	Marine Corps Level of Repair Analysis Model Description

ANNEX D

Bibliography of Studies Review To Date

1. Haber and Sitgreaves "A Methodology for Estimating Expected Usage of Repair Parts with no usage History", George Washington University, October 1969.

2. Habor and Sitgreaves, "A Unified Model for demand Prediction in the context of Provisioning and Procurement", George Washington University, May 1971.

3. D. A. Orr, "New Concepts For Provisioning Parameter estimates: Part I: Maintenance Factors and Replacement Rates", and "Part II: Task Distributions and Washout Rates", U. S. Army Logistics Management Center, December 1976.

4. R. B. Ringo and T. H. Allen, "Marine Corps Material Throughput Distribution System (1977-1986)", SRI International, January 1978.

5. Naval Audit Service, "Principal End Item Requirements Determination at HQMC," January 1979.

ENCLOSURE (2)

ANNEX D

MEASURES OF EFFECTIVENESS

1. PROVISIONING AVAILABILITY = $\frac{\text{Equipment Up-Time}}{\text{Equipment Up-Time + Time Awaiting Critical Parts (NORS, Criticality Code 1)}}$

2. PERCENTAGE OF SHORTAGE ERROR COST = $\frac{\text{Cost of Stortages (Range and Quantity)}}{\text{Cost of Initial Issue}}$

   a. GOL

   b. MO

3. PERCENTAGE OF GOL OVERAGE = $\frac{\text{Cost of Overages}}{\text{Cost of Initial Issue}}$

4. MOUNT OUT OVERAGE INDICATOR = $\frac{\text{Cost of Overages}}{\text{Cost of Initial Issue Mount Out}}$

5. PERCENTAGE OF II ITEMS (RANGE) WITH ZERO DEMANDS = $\frac{\text{Qty Items (Range) Zero Demand in the II}}{\text{Qty Items (Range) II}}$

   a. OST

   b. ONE YEAR

   c. TWO YEARS

   d. THREE YEARS

   e. FOUR YEARS

ENCLOSURE (2)

6. PERCENTAGE OF II ITEMS WHICH QUALIFY AS RO IN THE FSSG GENERAL ACCOUNT AND CONSOLIDATED ISSUE POINT.

   a. ONE YEAR

   b. TWO YEARS

   c. THREE YEARS

   d. FOUR YEARS

7. NUMBER OF CRITICAL PARTS WHICH QUALIFY AS RO IN THE FSSG GENERAL ACCOUNT AND CONSOLIDATED ISSUE POINT WHICH WERE NOT PART OF THE II.

8. COST OF II ITEMS WHICH DO NOT QUALIFY AS RO IN THE FSSG GENERAL ACCOUNT AND CONSOLIDATED ISSUE POINT.

   a. ONE YEAR

   b. TWO YEARS

   c. THREE YEARS

   d. FOUR YEARS

9. CRITICAL ITEMS COST RATIO: $\dfrac{\text{Cost of Criticality Code 1 Portion of II}}{\text{Total Cost of II}}$

10. NUMBER OF CRITICALITY CODE 1 ITEM SHORTAGES. (RANGE AND DEPTH)

11. $\dfrac{\text{TIME AWAITING PARTS DUE TO RANGE}}{\text{TOTAL TIME AWAITING PARTS}} = T$

    a. 1 - T = Fraction of Time Awaiting Parts Due to Depth

12. PERCENTAGE OF CASES STUDIED IN WHICH NORS DUE TO RANGE IS GREATER THAN NORS DUE TO DEPTH.

13. Provisioning Availability (RO) = Total Up Time

$$\frac{\text{Total Up Time}}{\text{Total Up Time} + \text{Time Awaiting Parts Due to NORS for Stockage Criteria Items} + \sum_i OST_i}$$

Where OST_i = OST for each IIP Item i that did not meet stockage criteria in DDP (Demand Development Period)

OPNAV 5216/144 (REV. 6-70)
S/N 0107-LF-778-8099

ANNEX E

DEPARTMENT OF THE NAVY

Memorandum

LMH-KRS/elt
4400/40
DATE: 30 JAN 19[illegible]

FROM Chairman, Marine Corps Provisioning Policy Review Study Group

TO Deputy Chief of Staff for Installations and Logistics
VIA: Director, Materiel Division

SUBJ Progress Report

REF: (a) Marine Corps Provisioning Policy Review Study Plan, approved 15Oct79
(b) CMC ltr LMH-KRS/elt, 4400/40 dtd 30Nov79 to CG, MCLB, Albany, GA

ENCL: (1) Revised Provisioning Policy Study Schedule
(2) Original schedule

1. As required by reference (a), the following progress report is submitted:

a. Since the last progress report of 11 December 1979, the data elements necessary to calculate the measures of effectiveness have been identified. The file tapes containing the majority of the data have been received at this Headquarters and catalogued onto the computer system, ~~here~~. This concludes Task 5, establishing the necessary data elements and sources.

b. Task 6, the data collection effort, has not been completed as anticipated. Although a substantial portion of the necessary files have been received, as noted above, to properly account for all parts usage in repairing a provisioned end item an additional data source, the Maintenance Float Balance File, has recently been identified. This data file has been requested by Albany from FMFLANT.

c. Although Task 6 is still ongoing, a preliminary analysis of the available data has been conducted. A verification of the file definitions has been completed and reports concerning an item's repair history and its total parts usage history have been generated from the MIMMS Equipment Repair Order history file.

d. Additionally, the consolidated listings of the provisioning packages for selected end items have been keypunched and established as a computer tape file. Additional consolidated listings have been requested from Albany for inclusion in this tape file.

2. This data collection and analysis effort has revealed the necessity to request an extension of the study's completion date from 14 March 1980 to 30 May 1980. This request is based primarily on the estimation of the time necessary to define the data files and prepare their calculation [illegible] factors for calculating the [illegible]

Subj: Progress Report

means that the study's computer programs may only be run at night with a low priority in the job queue. This translates into roughly a 48 hour turn around time for a computer program, from submission to receipt of the output. This problem is compounded by the complexity of the programs developed to calculate the measures of effectiveness. The likelihood of programming errors increases with complexity, thereby extending even further the time until a successful computer run is achieved. The new schedule of tasks is contained in enclosure (1). Therefore, it is requested that the study submission date of 30 May 1980 be approved.

3. Task 7, shown in enclosure (2), is completed by the submission of this report.

Jerome W. Brown

JEROME W. BROWN

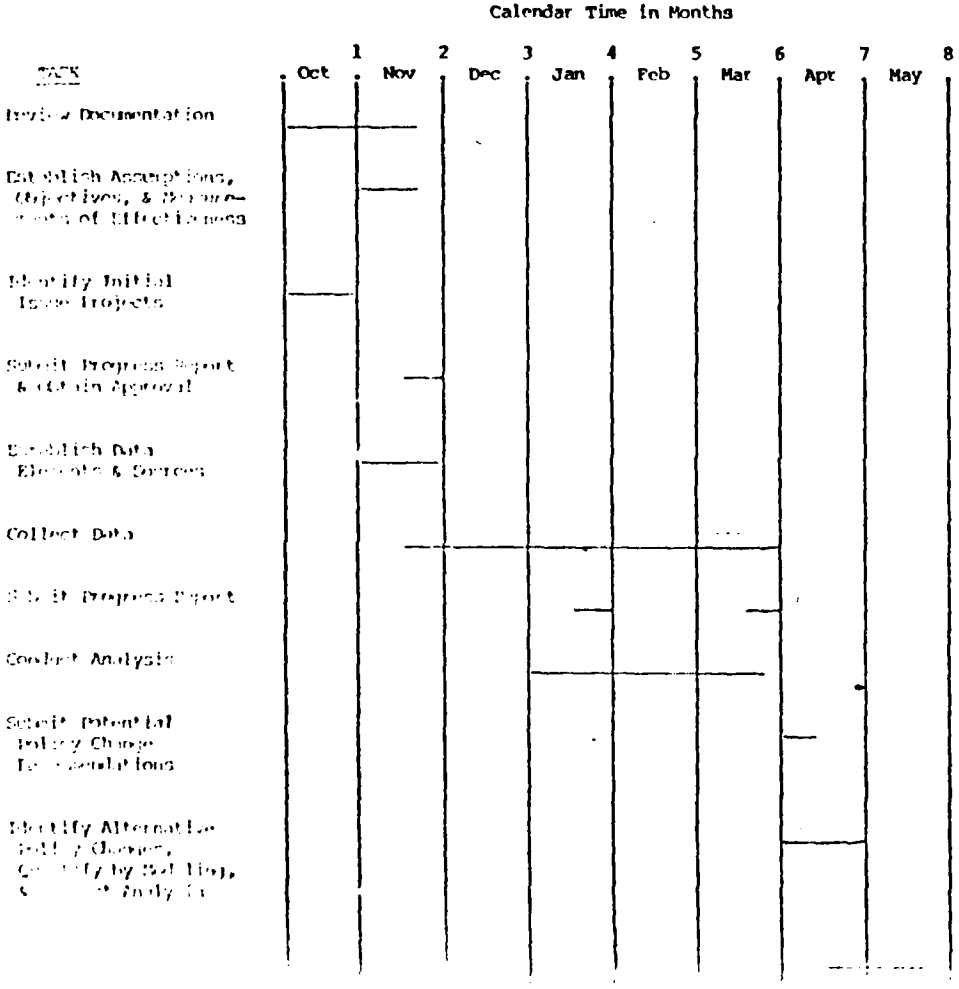
DC/S I&L ACTION:

APPROVED H.A. Hatch 8 Feb 1980 DISAPPROVED _____

ANNEX E

28 Jan 89

REVISED PROVISIONING POLICY REVIEW STUDY SCHEDULE



Projected Resource Requirements
Direct - Labor Man - Hours

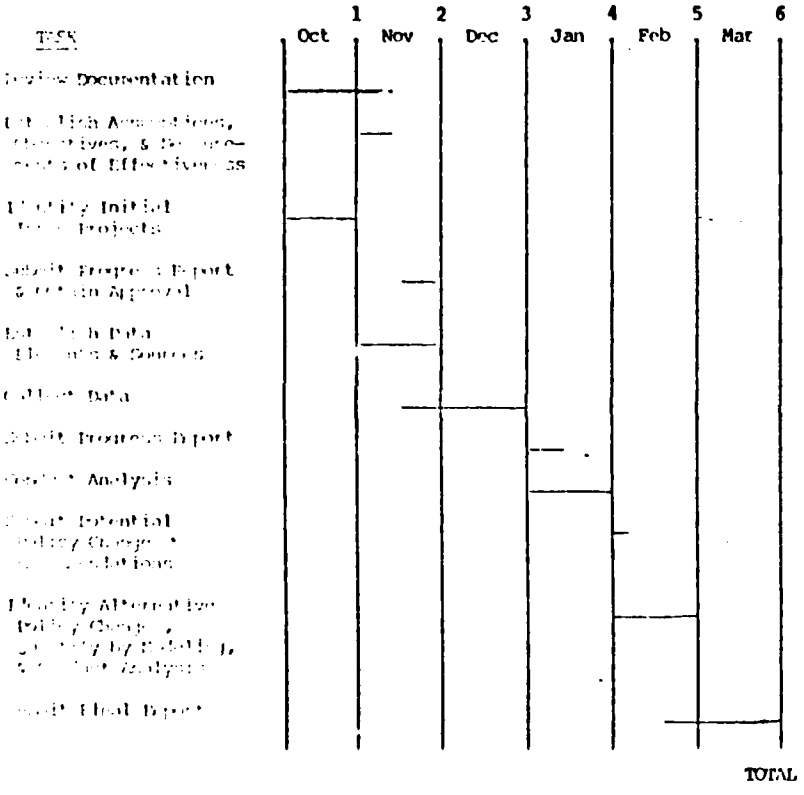
LPP	LPS	LMM	LMA	MCLPA
1	3/4	1/2	1/2	1/2
1/8	1/2	1/4	1/2	1/2
				1
1/8		1/16	1/2	
1/2	1/2	1/2	1/2	1/2
1	3/4	3/8	1 1/2	1
1/8		1/16	1/2	
3/4	1	1/4	1/2	1/2
1/8		1/16	1/2	1/2
3/4	1	1/4	1	1
1/8		5/16	1	1/4
TOTAL 4 5/8	4 1/2	2 5/8	7	5 3/4

ENCLOSURE (1)

ANNEX E

ORIGINAL PROVISIONING POLICY REVIEW STUDY SCHEDULE

Calendar Time in Months



Projected Resource Requirements
Direct - Labor Man - Hours

LPP	LPS	LMM	LMA	MCLMA
1	3/4	1/2	1/2	1/2
1/8	1/2	1/4	1/2	1/2
				1
1/8		1/16	1/2	
1/2	1/2	1/2	1/2	1/2
1	3/4	3/8	1 1/2	1
1/8		1/16	1/2	
3/4	1	1/4	1/2	1/2
1/8		1/16	1/2	1/2
3/4	1	1/4	1	1
1/8		5/16	1	1/4
TOTAL 4 5/8	4 1/2	2 5/8	7	5 3/4

ANNEX F

DEPARTMENT OF THE NAVY

Memorandum

LMM-KRS/elt
4400/40
DATE
04 APR 1980

FROM Chairman, Marine Corps Provisiong Policy Review Study Group

TO Deputy Chief of Staff for Installations and Logistics
VIA: Director, Materiel Division

SUBJ Progress Report

REF: (a) Marine Corps Provisioning Policy Review Study Plan, approved 22Oct79
(b) Progress Report dtd 30Jan80

ENCL: (1) Table PROV-ID
(2) Generating Expanded Consolidated List
(3) Generating ERO Subfile
(4) HQMC Provisioning Review Study Consolidated Listing
(5) HQMC Provisioning Review Study Consolidated Listing, Sheet 2
(6) HQMC Provisioning Review Study MOE Sheet I
(7) HQMC Provisioning Review Study MOE Sheet II
(8) HQMC Provisioning Review Study MOE Sheet III

1. As required by references (a) and (b), the following report is submitted:

a. Since the last progress report of 30 January 1980, the following actions were taken to develop the necessary data files in order to calculate the measures of effectiveness:

(1) Consolidated initial issue repair parts listings for 44 different end items, enclosure (1), have been received from Albany and keypunched into a study data file. Purification of the lists and numerous updates of the data file extended this effort until 7 March 1980. The consolidated list data file now contains 6,105 records.

(2) Additional file creation delays were encountered because of the enormous size of both the ERO history file (206,000 records) and the MHIF file (530,000 records). Processing with files of this magnitude creates numerous machine difficulties and low queue priorities. The need for the MHIF file was not realized until early March when it became apparent to the study group that not all parts' usage was being captured due to the many NSN changes since the in-service dates of the provisioning projects. The magnitude of the base data files was so great, it was decided to create two subfiles of more manageable proportions.

(a) The first, called the Expanded Consolidated List (EXPDCONS) file, contains data elements from the original keypunched consolidated list, MHIF file, and ERO file, to form this file (enclosure (2)).

Subj: Progress Report

(b) The second, called the ERO subfile (ERO-SUBF) contains the ERO's for the end items of interest to the provisioning study, data on the secondary reparables for those end items, and MHIF data, (enclosure (3)).

(3) The determination of the part usage associated with an end item required several intermediate steps. Part usage with a date received indicated as "9999" was deleted. Furthermore, repairs on secondary reparables had to be adjusted since more or less actual repairs on a particular sec-rep could have been accomplished than the number of times that sec-rep was removed and replaced from the end item of interest. This factor is expressed as:

[The number of times a sec-rep was removed from an end item]/

[Total number of repairs on that sec-rep]

Multiplying this factor times actual part usage in repairing sec-reps captures that fraction of the total part usage that petains to our end item. An additional adjustment of part usage was made since the ERO history file has a maintenance history over approximately 14 months. Since 2nd FSSG is provisioned for 2 months, a monthly average part usage for an end item was calculated and then multiplied by the pertinent two month period. This gives an appropriate fractional part usage quantity to compare to, in this case, the 2 month provisioned quantity.

(4) As a result of the data file creation efforts of the past months, some initial reports have been generated. Enclosure (4) is an example of a consolidated list indicating for a given end item, its ID number, the NSN's provisioned, the current preferred NSN, and among other items, the mountout and garrison operating level quantities. The column headed combat essentiality code will be change to criticality code. This report provides a comprehensive listing of the end items and the parts that pertain to them that are the subject of the provisioning study. Enclosure (5) provides a furthe. example of information that is contained in the data base for the consolidated list. Order ship time is given in days.

(5) Enclosures (6) and (7) are examples of reports from which the measures of effectiveness may be calculated directly. The date diff variable in enclosure (6) is explained in Note 1: It is the date a part was received minus the date it was ordered, i.e., time awaiting parts. The "+" sign shown in the output under the non-NSN column indicates that a zero has been divided by a zero. In this example line (1) of the totals category indicates that there have been no delays for non-[illegible] part requisitions. [illegible] the case, when one divides [illegible] the number of [illegible] by 0

Subj: Progress Report

requisitions for such parts, the computer outputs a "+" in the averages section, line (4), column non-NSN. As a further explanation of the report, line (5) under averages for NSN parts is the result of dividing line (2) in the totals section by line (7) in the counts section, NSN column.

(6) Enclosure (7) provides costing data for an initial issue provisioning package and an indication of whether those NSN's that were provisioned were listed in the GABF or MFBF files as having an RO or float quantity respectively. The range category indicates the breadth of NSN's provisioned, not quantities. At this time, there is a problem with properly outputting the average order and ship time for both reparables and consummables. This is not considered to be a difficult problem to correct.

(7) Enclosure (8) provides information on actual parts usage both in summary and NSN by NSN detail. Recall that translating a 14 month parts usage history into a monthly average and then multiplying by the provisioning period of two months creates fractional parts' usage. This in turn creates the need for a rounding policy. In the example report, this policy is to round any decimal down to the nearest integer. For example, .17 parts' usage in two months becomes 0 usage, 1.13 becomes a demand for 1 part and so on. The rounding policy has a significant impact on the data and consequently various rounding policies will be analyzed by the study group. In the report shown, the column entitled "ERO factored" would indicate the actual two month rounded usage. In this case, there were no actual demands for any of the listed parts during the entire 14 month ERO history period. The column headings for the data are briefly explained in the summary statistics which precede the detailed NSN by NSN listings. Note that in enclosure (8), the summary statistics pertain to a different ID No. than the detailed data listings. The latter indicates that all the listed NSN's were cases of averages. They were all instances of no demand in two months (NO-DMD) which automatically means the provisioned quantity was an instance of being greater than the two month demand (DDP). The actual amounts or quantities by which these NSN's were overprovisioned is listed in the column labelled "QTY".

b. Task 6 has been completed for the 2nd FSSG since complete base data has been received from the 2nd FSSG and loaded to the study data file.

c. During the course of the data file development, it was necessary to modify several of the measures of effectiveness to reflect the availability and accuracy of the data base. MOE #1 is now the ERO history file period minus the total time awaiting parts with this quantity divided by the ERO history file period. This gives a gross indication of the availability of an end item as a result of our provisioning

Subj: Progress Report

policy. However, it does not reflect downtime due to administrative deadline, time to repair, and time waiting in a queue to be repaired for example. MOE's number 11 and 13 have been deleted. The policy impacts that were originally expected to be highlighted are covered by the remaining MOEs.

d. Task 8 preliminary analyses as indicated by enclosures (6), (7) and (8) identified the need to obtain base data from the GABF, MFBF, MHIF and ERO history files of the 1st FSSG and 3rd FSSG. The data file tapes have been requested and should be available to the study group within the next three weeks. This will cause Task 8 to continue to the last of April.

e. Task 9 should be completed by the last of April.

f. Task 11, the final report should remain on schedule.

2. The coordination and development of the study data subfiles, enclosures (2) and (3) was a significant accomplishment and the diligent and knowledgeable efforts of Captain D. L. Chadwick were instrumental in accomplishing those crucial tasks.

3. Task 7 is completed by the submission of this report.

Jerome W. Brown

JEROME W. BROWN

TABLE DESCRIPTION
TYPE = BINARY
ENTRY COUNT = 45

ARGUMENT DESCRIPTION
DATA TYPE = CHARACTER
LENGTH = 33

RESULT DESCRIPTION
DATA TYPE = CHARACTER
LENGTH = 90

ARGUMENT VALUES	RESULT VALUES
(026760)	(IMPROVED HAWK (CONS & REPS) IN SERVICE DATE: 17 APR 78)
(06616A)	(RADIAC SET AN/PDR-63 IN SERVICE DATE: NOT ON LIST)
(065358)	(COMMUNICATIONS CENTRAL AN/TGC-36V IN SERVICE DATE: NONE)
(06624A)	(TRANSPONDER SET AN/UPN-32 IN SERVICE DATE: 7 SEP 78)
(065826)	(IN SERVICE DATE: NONE)
(066200)	(RADIO SET AN/PRC-75A IN SERVICE DATE: NONE)
(071158)	(FIPS-14 MODIF KIT F/AN-TYC-5A (REPS) IN SERVICE DATE: NOT ON LIST)
(071360)	(TRACTOR, FULL TRACKED, LOW SPEED, M4550 IN SERVICE DATE: MAY 78)
(074520)	(TECPS F/TEST SET AN/TSM-120 (DRAGON) IN SERVICE DATE: NOT ON LIST)
(07475A)	(RECEIVING SET, RADIO AN/URR-70 IN SERVICE DATE: 18 AUG 78)
(07476A)	(RECEIVING SET, RADIO AN/URR-71 IN SERVICE DATE: 18 AUG 78)
(07477A)	(RECORDER-REPRODUCER AN/PDH-7 IN SERVICE DATE: 18 AUG 78)

ANNEX F

ARGUMENT VALUES	RESULT VALUES
(07500A)	(DUMMY LOAD, ELEC 100KW IN SERVICE DATE: NONE)
(07516A)	(CENTRAL OFFICE, TELE, 600 LINE IN SERVICE DATE: NONE)
(07576A)	(GENERATOR SET MEP-002A IN SERVICE DATE: 4 NOV 79)
(07579A)	(AIR CONDITIONER, 9000 BTU IN SERVICE DATE: 14 NOV 79)
(07581A)	(RADAR SET AN/PPS-15 (V2) IN SERVICE DATE: NONE)
(07618A)	(PAGE PRINTER SET SEND/RCV AN/UGC-52 IN SERVICE DATE: NONE)
(07621A)	(DESIRIB-TRANSMITTER SET (TELETYPE) IN SERVICE DATE: 1 MAY 78)
(07628A)	(AIR CONDITIONER, 40,000 BTU, MAC GW-5A50-11 IN SERVICE DATE: NOT ON LIST)
(07630A)	(RETROFIT KIT F/AN/UPM-137A IN SERVICE DATE: 12 FEB 77)
(07632A)	(TELEPRINTER TT-572/UG IN SERVICE DATE: 1 MAY 78)
(07661A)	(FIRE EXTING, TWIN AGENT IN SERVICE DATE: NONE)
(07664A)	(AIR CONDITIONER, 18000 BTU, A/E-32C-17 IN SERVICE DATE: 11 AUG 78)
(07665A)	(TOOL KIT, ELEK IN SERVICE DATE: 30 OCT 77)
(07666A)	(AIR CONDITIONER, 9000 BTU IN SERVICE DATE: 9 DEC 78)
(07672A)	(SEARCHLIGHT, AN/VSS-3A IN SERVICE DATE: 30 JUN 77)

ANNEX F

EQUIPMENT VALUES	RESULT VALUES
(07673A)	(TEST SET, R.F. POWER AN/PRM-33 IN SERVICE DATE: 10 NOV 77)
(07679A)	(FREQ CONVERTER, CV-3231/U IN SERVICE DATE: 20 JUL 79)
(07684A)	(TELETYPE, CONT UNIT C-7050/G IN SERVICE DATE: 1 MAY 78)
(07698A)	(SYNCH, INTERFACE SN-[illegible]/TYC-1A(V) IN SERVICE DATE: 1 MAY 78)
(07711A)	(HELIPORT LIGHTING SYS IN SERVICE DATE: 30 APR 78)
(07716A)	(CONVERTER, CV-2997(V)/FGC IN SERVICE DATE: 1 MAY 78)
(07717A)	(POWER SUPPLY PP-6062/G IN SERVICE DATE: 1 MAY 78)
(07718A)	(CONVERTER, CV-2757/GGC IN SERVICE DATE: 1 MAY 78)
(07726A)	(R.F. MONITOR SET AN/USQ-46A IN SERVICE DATE: 5 APR 78)
(07727A)	(RECORDER SET, SIGNAL DATA RD-376A/USQ IN SERVICE DATE: 9 JAN 79)
(07728A)	(POWER SUPPLY, OP-63/USQ-46 IN SERVICE DATE: NONE)
(07729A)	(TEST SET, GROUP, RADIO OQ-60/USQ-46 IN SERVICE DATE: 5 APR 78)
(07784A)	(TRUCK, GUIDED MISSILE CARRIER IN SERVICE DATE: 26 MAY 76)
(07838A)	(TRUCK, GUIDED MISSILE CARRIER W/42 IN SERVICE DATE: NONE)
(07862A)	(SEMI-TRAILER, LOW BED 40 TON-M870 IN SERVICE DATE: 14 APR 79)

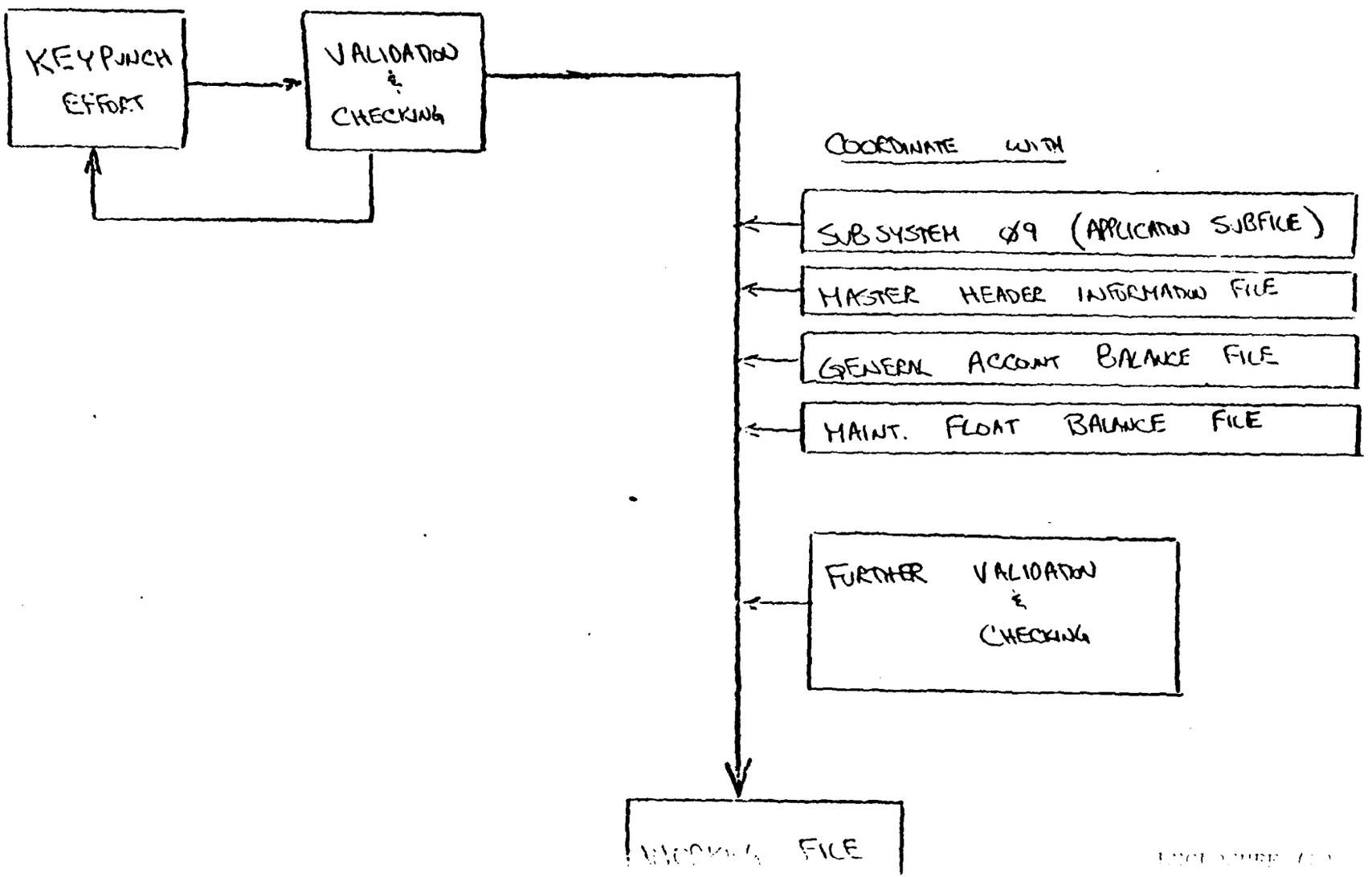
ANNEX F

ARGUMENT VALUES	RESULT VALUES
(078044A)	(TRUCK, CARGO, M880, 1 1/4 TON IN SERVICE DATE: 2 DEC 78)
(078066A)	(TRUCK, AMBULANCE 1 1/2 TON, M886 IN SERVICE DATE: 27 DEC 78)
(078073A)	(COMM TECH CONTROL CENTER, AN/TSQ-84 IN SERVICE DATE: 25 APR 79)

ANNEX F

GENERATING

EXPANDED CONSOLIDATED LIST



DETAILED GLOSSARY BY LOCATION FOR FILE DEFINITION - EXPDCDIS

MAR 12, 1980
PAGE 1

FILE IDENTIFICATION =
NUMBER OF SEGMENTS IN FILE = 1
NUMBER OF FIELDS IN FILE = 14

RECORD FORMAT = FIXED BLOCKED
RECORD SIZE = 103
BLOCK SIZE = 5150

SEGMENT 1, LEVEL 1

SEGMENT OCCURS N TIMES = 1
SEGMENT SIZE = 103
NUMBER OF FIELDS IN SEGMENT = 14

KEY FIELD 1 = ID-NO TYPE = C LENGTH = 6
KEY FIELD 2 = PNSN TYPE = C LENGTH = 13

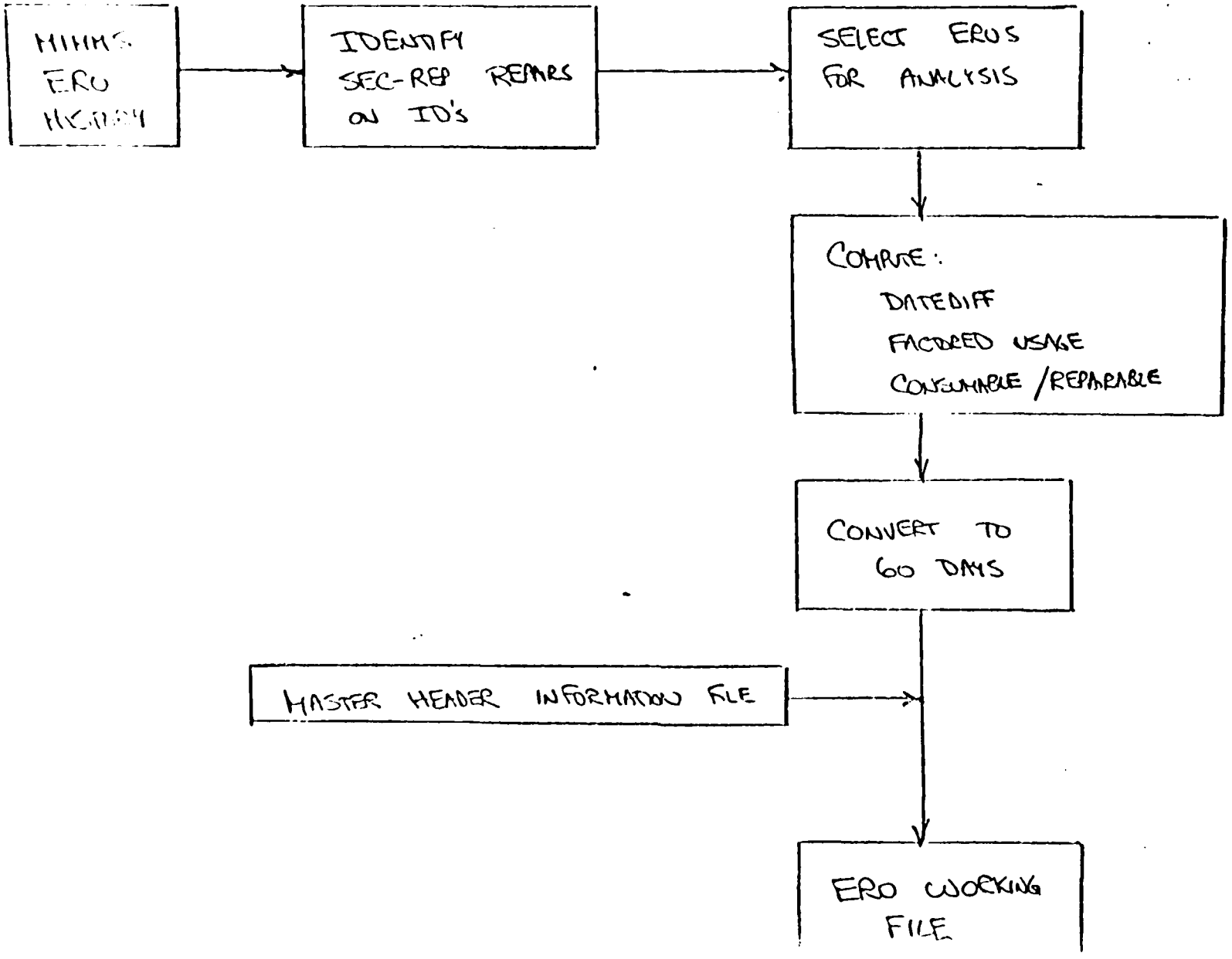
FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD RNDING	DEC PLACES	CNT FIELD FOR SGMT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO		COLUMN HEADING		SOURCE
ID-NO	C	1	6					6	6	1	***	ID NO.	***	KEYPUNCH
NSN	C	7	13					13	13	1 2 3	*** *** ***	ORIG. PROVISIONED NSN	*** *** ***	KEYPUNCH
GABF/MFBF	C	20	1					1	8	1 2	*** ***	(G) GABF (M) MFBF	*** ***	GABF/MFBF
GOL-QTY	Z	21	8					11	11	1	***	GOL QTY	***	KEYPUNCH
MO-QTY	Z	29	8					11	11	1	***	M/O QTY	***	KEYPUNCH
UNIT-PRC	Z	37	12		2		(S) ( ) ( )	17	17	1 2	*** ***	UNIT PRICE (ORIG. NSN)	*** ***	MHIF
REQALW	Z	49	10					14	14	1 2	*** ***	REQ OBJ / FLOAT ALLOW.	*** ***	GABF/MFBF
DST	Z	59	5					7	15	1 2	***	ORDER SHIP TIME (GABF/MFBF)	***	GABF/MFBF

ANNEX F

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD ENDING	DEC PLACES	CNT FIELD FOR SGMT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***	
[illegible]	C	64	13					13	13	1 2 3	*** *** ***	CURRENT PREFERRED NSN	*** *** ***	MHIF
CLC	C	77	1					1	12	1 2 3	*** *** ***	COMBAT ESSENTIALITY CODE	*** *** ***	MHIF
[illegible]	C	78	1					1	1					
UPP	P	79	5		2		(8) ( ) ( )	13	13	1 2	*** ***	UNIT PRICE (PREF. NSN)	*** ***	GMF/MFRF
CDA	C	84	1					1	8	1 2	*** ***	(C) CONS (R) REPL	*** ***	MHIF
[illegible] N	C	85	19					19	19	1	***	NOMENCLATURE	***	MHIF

ANNEX F

GENERATIN ERO SUBFILE



DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - ERO-SUM

MAR 13, 1980
PAGE 1

FILE IDENTIFICATION =
NUMBER OF SEGMENTS IN FILE = 1
NUMBER OF FIELDS IN FILE = 15

RECORD FORMAT = FIXED BLOCKED
RECORD SIZE = 90
BLOCK SIZE = 900

****
* SEGMENT 1, LEVEL 1 *
****

SEGMENT OCCURS N TIMES = 1
SEGMENT SIZE = 90
NUMBER OF FIELDS IN SEGMENT = 15

KEY FIELD 1 = PNSN TYPE = C LENGTH = 13
KEY FIELD 2 = ID-NO TYPE = C LENGTH = 6

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD ROUNDING	DEC PLACES	CNT FIELD FOR SGMT	EDIT CODES (-) (+) (-)	EDIT LENGTH	OUTPUT WIDTH	LINE NO		COLUMN HEADING		SOURCE
PART-NSN	C	1	13					13	13	1 2	*** ***	ERO-PART NSN	***	ERO
PARTQUAL	C	14	1					1	11	1 2	*** ***	(N) NSN (X) NON-NSN	***	ERO COMPUTE
PARTQTY	Z	15	8					11	12	1	***	INT. PRT QTY	***	ERO COMPUTE
ADJ-QTY	Z	15	8		2			11	11	1	***	ADJ. QTY	***	"
NORS	C	23	1					1	4	1	***	NORS	***	ERO
DATEDIFF	Z	24	4					0	9	1	***	DATE DIFF	***	ERO COMPUTE
ERO	C	28	5					5	5	1	***	ERO	***	ERO
ID-NO	C	33	6					6	6	1	***	ID NO.	***	ERO/TABLE
SER-NO	C	39	10					10	10	1	***	SER NO.	***	ERO

ANNEX I

ENCLOSURE (3)

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - ERO-CARD
SEGMENT 1, LEVEL 1 (CONTINUED)

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD ENDING	DEC PLACES	CNT FIELD FOR SGMT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***	
QTY	Z	49	2					3	7	1	***	ERO QTY	***	ERO
[illegible]	C	51	13					13	13	1 2	*** ***	PREFERRED NSN	*** ***	HHIF
[illegible] TYPE	C	64	2					2	15	1 2	***(EE) ***(SE)	ENDITM ERO SECRIP ERO	***	ERO Compute
UIP	P	66	5		2		(S) ( ) ( )	13	13	1 2	*** ***	UNIT PRICE IF PREF. NSN	*** ***	HHIF
CODE	C	71	1					1	14	1 2	*** ***	(C) CONSUMABLE (R) REPAIRABLE	***	HHIF
NOMEN	C	72	19					19	19	1	***	NSN NOMENCLATURE	***	HHIF

ANNEX F

ENCLOSURE (

ID NO: 07599A * LCPS FIRST SET ANZIO-123 (ORACLE) IN SERVICE DATES NOT ON LIST *

DLVC PROVISIONED NSN	CURRENT PROVISIONED NSN	NOMENCLATURE	(C) ERS (D) RPRL	COMBAT ESSENTIALITY CODE	UNIT PRICE (ORIG. NSN)	QTY	NHA QTY
[illegible]	[illegible]	LEAD,TEST	C	5	1.76		1
[illegible]	[illegible]	TEST IN PLUG	C		.00		1
[illegible]	[illegible]	ELECTRICAL CONNECTO	R	5	315.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R		400.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	1020.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	765.00		1
[illegible]	[illegible]	CABLE ASSEMBLY,SPEC	R	2	85.71	1	1
[illegible]	[illegible]	OSCILLATOR,RADIO FR	R	2	130.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	2	1260.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	3500.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R		2500.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	1337.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	617.00		1
[illegible]	[illegible]	CABLE ASSEMBLY,SPEC	R	2	384.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	790.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	3573.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	1000.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	1500.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	1250.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	2563.00		1
[illegible]	[illegible]	UTILITY ASSEMBLY,SPEC	R	5	311.00		1
[illegible]	[illegible]	CABLE ASSEMBLY,SPEC	R	2	384.00		1
[illegible]	[illegible]	ADAPTER,RECEPT-POWER	R		951.00		1
[illegible]	[illegible]	CABLE ASSEMBLY,SPEC	R	1	437.00		1
[illegible]	[illegible]	CABLE ASSEMBLY,SPEC	R	2	284.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	2	4500.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	1187.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	1175.00		1
[illegible]	[illegible]	RADIO SET,R	R	5	2500.00		1
[illegible]	[illegible]	CRYSTAL,UNIT,ELECTRONIC	R	5	759.00		1
[illegible]	[illegible]	ADAPTER,ELECTRICAL	R	2	515.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	1	1763.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	1500.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	1250.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	1800.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	2250.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	3000.00		1
[illegible]	[illegible]	CIRCUIT CARD ASSEMB	R	5	1543.00		1
[illegible]	[illegible]	ADAPTER,CABLE,ELEC	R	2	509.00		1
[illegible]	[illegible]	CABLE ASSEMBLY,SPEC	R		124.00		1
[illegible]	[illegible]	CABLE ASSEMBLY,SPEC	R	2	426.00		1
[illegible]	[illegible]	CABLE ASSEMBLY,SPEC	R	1	328.00		1

ANNEX F

ENCLOSURE (1)

HEADQUARTERS, UNITED STATES MARINE CORPS
PROVISIONING POLICY REVIEW STUDY

CONSOLIDATED LISTING: II MAF
SHEET 2

THIS REPORT PROVIDES A LISTING OF THE GOL AND M/O QUANTITIES (SUMMED OVER ALL PROJ) FOR EACH ID NUMBER BEING STUDIED.

ANNEX F

ID NR: [illegible] IMPROVED HAWK (CONS & REPS) IN SERVICE DATE: 17 APR 78

ORIG. PROVISIONED NSN	CURRENT PREFERRED NSN	NOMENCLATURE	ORDER SHIP TIME (DAYS)	REQ.OBJ / FLOAT ALLOW.
5905-00-007[illegible]4	5905-00-4547031	RESISTOR,FIXED,WIRE	26	1
5905-00-0[illegible]0	5905-00-5630109	RESISTOR,FIXED,WIRE	132	1
5905-00-0[illegible]7	5905-00-0[illegible]827	RESISTOR,VARIABLE,W	26	
5905-00-0[illegible]7	5905-01-0[illegible]752	RESISTOR,FIXED,FILM	30	1
5905-00-0[illegible]33	5905-00-0[illegible]533	RESISTOR,FIXED,FILM	35	
5905-00-[illegible]20	5905-00-0[illegible]730	RESISTOR,FIXED,WIRE	26	1
5905-00-0[illegible]65	5905-00-0[illegible]765	RESISTOR,VARIABLE,W	26	1
5905-00-[illegible]72	5905-01-0[illegible]526	RESISTOR,FIXED,FILM	33	1
5905-00-[illegible]14	5905-00-0[illegible]513	RESISTOR,FIXED,FILM	26	
5905-00-0[illegible]92	5905-00-0[illegible]292	RESISTOR,FIXED,WIRE	23	4
5905-00-[illegible]07	5905-00-[illegible]807	RESISTOR,FIXED,COMP	102	
5905-00-[illegible]22	5905-00-[illegible]322	RESISTOR,VARIABLE,N	26	1
5905-00-[illegible]24	5905-00-[illegible]324	RESISTOR,VARIABLE,N	35	
5905-00-[illegible]24	5905-00-[illegible]324	RESISTOR,VARIABLE,N	428	
5905-00-[illegible]29	5905-00-[illegible]329	RESISTOR,VARIABLE,N	26	1
5905-00-[illegible]76	5905-00-[illegible]376	RESISTOR,FIXED,FILM	156	4
5905-00-[illegible]90	5905-00-[illegible]290	RESISTOR,FIXED,WIRE	26	
5905-00-[illegible]87	5905-00-[illegible]887	RESISTOR,FIXED,FILM	243	
5905-00-[illegible]00	5905-00-[illegible]500	RESISTOR,FIXED,WIRE	26	
5905-00-[illegible]76	5905-01-0[illegible]759	RESISTOR,FIXED,WIRE	26	1
5905-00-[illegible]78	5905-01-0[illegible]378	RESISTOR,FIXED,WIRE	67	1
5905-00-[illegible]87	5905-00-[illegible]887	RESISTOR,FIXED,FILM	26	1
5905-00-[illegible]74	5905-00-[illegible]374	RESISTOR,FIXED,WIRE	33	1
5905-00-[illegible]83	5905-00-[illegible]383	RESISTOR,FIXED,FILM	33	
5905-00-[illegible]97	5905-00-[illegible]297	RESISTOR,VARIABLE,W	26	
5905-00-[illegible]36	5905-00-[illegible]536	RESISTOR,FIXED,FILM	26	
5905-00-[illegible]75	5905-00-[illegible]575	RESISTOR,FIXED,FILM	36	
5905-00-[illegible]21	5905-00-[illegible]321	RESISTOR,VARIABLE,N	428	
5905-00-[illegible]84	5905-00-[illegible]384	RESISTOR,FIXED,WIRE	35	1
5905-00-[illegible]83	5905-00-[illegible]383	RESISTOR,FIXED,WIRE	33	
5905-00-[illegible]50	5905-00-[illegible]350	RESISTOR,FIXED,FILM	33	
5905-00-[illegible]30	5905-00-[illegible]330	RESISTOR,FIXED,WIRE	26	
5905-00-[illegible]43	5905-00-[illegible]543	RESISTOR,FIXED,FILM	47	1
5905-00-[illegible]71	5905-00-[illegible]771	RESISTOR,FIXED,WIRE	35	
5905-00-[illegible]26	5905-00-[illegible]926	RESISTOR,VARIABLE,N	26	
5905-00-[illegible]00	5905-00-[illegible]500	RESISTOR,FIXED,FILM	26	
5905-00-[illegible]87	5905-00-[illegible]987	RESISTOR,FIXED,FILM	26	
5905-00-[illegible]16	5905-00-[illegible]216	RESISTOR,FIXED,FILM	26	1
5905-00-[illegible]75	5905-00-[illegible]575	RESISTOR,VARIABLE,W	35	
5905-00-[illegible]77	5905-00-[illegible]777	RESISTOR,FIXED,WIRE	35	
5905-00-[illegible]34	5905-00-[illegible]434	RESISTOR,FIXED,FILM	33	
5905-00-[illegible]38	5905-00-[illegible]338	RESISTOR,FIXED,WIRE	26	

ANNEX F

HEADQUARTERS, UNITED STATES MARINE CORPS
PROVISIONING POLICY REVIEW STUDY

CONSOLIDATED LISTING: II MAF
SHEET 2

THIS REPORT PROVIDES A LISTING OF THE GOL AND M/O QUANTITIES (SUMMED OVER ALL PROJ) FOR EACH ID NUMBER BEING STUDIED.

ANNEX F

HEADQUARTERS, UNITED STATES MARINE CORPS
PROVISIONING POLICY REVIEW STUDY

MOE SHEET 1

THIS REPORT PROVIDES WAITING TIME FACTORS FOR NSN AND NON-NSN ITEMS BROKEN DOWN BY: CONS: ENDITM / RMNL: ENDITM / CONS: SECREP

MOMC PROVISIONING REVIEW STUDY
MOE COMPUTATION SHEET 1

[illegible] [illegible]

ID NO: [illegible] CLASSIFICATION: CENTRAL AN/TGC-36V
IN SERVICE DATE: NOV.

[illegible]

			PART CATEGORY		
			NSN	NON-NSN	OVERALL
TOTALS:	(1)	SUMMATION OF DATEDIFF OVER ALL PART REQUISITIONS:	651.00	.00	651.00
	(2)	SUMMATION OF THE MAXIMUM DATEDIFF PER ERO OVER ALL ERO'S WITH PART REQUISITIONS:	304.00	.00	304.00
	(3)	SUMMATION OF THE MAXIMUM "NORS" DATEDIFF PER ERO: OVER ALL ERO'S WITH PARTS REQUISITIONED "NORS":	33.00	.00	33.00
AVERAGES:	(4)	AVERAGE DATEDIFF OVER ALL PART REQUISITIONS:	24.11	4	24.11
	(5)	AVERAGE MAXIMUM DATEDIFF PER ERO:	76.00	4	76.00
	(6)	AVERAGE MAXIMUM "NORS" DATEDIFF PER ERO:	33.00	4	33.00
COUNTS:	(7)	NUMBER OF ERO'S WITH PART REQUISITIONS:	4.00	.00	4.00
	(8)	NUMBER OF PART REQUISITIONS:	27.00	.00	27.00
	(9)	NUMBER OF ERO'S WITH NORS REQUISITIONS:	1.00	.00	1.00

NOTE 1: DATEDIFF = (DATE RECEIVED) - (DATE ORDERED)

NOTE 2: [illegible] PART USAGE IS NOT CONSIDERED VALID AND IS NOT USED IF:

(A) DATEDIFF = "9999"

(B)

(C)

ANNEX F

HEADQUARTERS, UNITED STATES MARINE CORPS
PROVISIONING POLICY REVIEW STUDY

MOE SHEET II

THIS REPORT PROVIDES SELECTED COSTING, RO AND OST FACTORS BROKEN DOWN FOR EACH ID BY: GOL / MO / CONSUMABLE / REPAIRABLE.

NOMC PROVISIONING REVIEW STUDY
MOE COMPUTATION SHEET II

APR 01, 1980 PAGE: 8

ID NO: [illegible] ECMS F/BEST SET AN/ISM-120 (DRAGON) IN SERVICE DATE: NOT ON LIST

CONSUMABLES:	COST OF GOL:	1015.49	COST OF GOL (CRITICAL):	981.39
	COST OF M/O:	9054.58	COST OF IIP (GOL + M/O) WHICH IS NOT RO:	7665.77
	TOTAL COST:	10070.07		
	RANGE (GOL):	85	% OF THE IIP WHICH IS RO:	20.75%
	RANGE (M/O):	504	% OF GOL WHICH IS RO:	57.64%
	RANGE (IIP):	506		
REPAIRABLES:	COST OF GOL:	9803.00	COST OF GOL (CRITICAL):	9803.00
	COST OF M/O:	68910.59	COST OF IIP (GOL + M/O) WHICH IS NOT RO:	8346.71
	TOTAL COST:	78713.59		
	RANGE (GOL):	2	% OF THE IIP WHICH IS RO:	66.66%
	RANGE (M/O):	57	% OF GOL WHICH IS RO:	50.00%
	RANGE (IIP):	57		

ANNEX F

HEADQUARTERS, UNITED STATES MARINE CORPS
PROVISIONING POLICY REVIEW STUDY

NOE SHEETS III + IV: (GOL)
ERC USAGE ROUNDED DOWN
II MAF

ADJUSTED TWO MONTH ERC USAGE IS ROUNDED USING THE STATED CONVENTION AND COMPARED TO THE CONSOLIDATED LIST. FOR EACH ID NUMBER, QUANTITY DIFFERENCES ARE BROKEN DOWN BY CONSUMABLE AND REPAIRABLE CLASSES INTO THE FOLLOWING CATEGORIES:

1) EVEN: BOTH THE ROUNDED ERO USAGE AND THE CONSLIST GOL QTY ARE THE SAME AND GREATER THAN ZERO.

2) OVERAGE: THE ROUNDED ERO USAGE IS LESS THAN THE CONSLIST GOL QUANTITY.

3) SHORTAGE: THE ROUNDED ERO USAGE IS GREATER THAN THE CONSLIST GOL QUANTITY.

4) ZEROS: THE ROUNDED ERO USAGE AND THE GOL QTY ARE BOTH ZERO.

ANNEX F

HQMC PROVISIONING REVIEW STUDY
MOE COMPUTATION SHEET III
END ITEM SUMMARIES

[illegible] 30, 1980

[illegible] ECPS F7TEST SET AN/TSM-128 (TRACER) IN SERVICE DATE: NOT ON LIST

[illegible]ABLES

SHORTAGES:	(1)	NUMBER OF NSNS WHICH HAD A ROUNDED 2 MO. ERD USAGE GREATER THAN ZERO, BUT WHICH HAD NO GCL PROVISIONED: (LABEL: RANGE = 'RNG')	.00
	(2)	NUMBER OF NSNS WHICH HAD GCL PROVISIONED, BUT HAD A ROUNDED 2 MO. ERD USAGE IN EXCESS OF THE GCL PROV. QTY: (LABEL: DEPTH = 'DEP')	.00
	(3)	TOTAL DOLLAR VALUE OF THE DIFFERENCE BETWEEN THE 2 MO. ERD USAGE AND THE GCL PROV. QTY (WHEN USAGE IS GREATER):	.00
OVERAGES:	(4)	NUMBER OF NSNS WHICH HAD A POSITIVE GCL PROV. QTY, BUT HAD ZERO DEMANDS IN THE ERD FILE: (LABEL: NO DEMAND = 'NO_DMD')	2.00
	(5)	NUMBER OF NSNS IN WHICH THE GCL PROV. QTY IS GREATER THAN THE 2 MO. ROUNDED ERD USAGE: (LABEL: DEPTH = 'DEP')	2.00
	(6)	TOTAL DOLLAR VALUE OF THE DIFFERENCE BETWEEN THE GCL PROV. QTY AND THE 2 MO. ROUNDED ERD USAGE (WHEN USAGE IS LESS):	9603.00
EVEN:	(7)	NUMBER OF NSNS IN WHICH THE GCL PROV QTY AND THE 2 MO. ROUNDED ERD ARE THE SAME (NOT EQUAL TO ZERO):	.00
CONCLUSIONS	(8)	NUMBER OF NSNS FOR WHICH GCL WAS PROVISIONED:	2.00
	(9)	TOTAL NUMBER OF NSNS PROVISIONED (TIP):	57.00

NOTE 1: 2 MO. ROUNDED ERD USAGE IS THE COMPUTED PART USAGE ROUNDED DOWN.

NOTE 2: LINE (2) + (5) + (7) = LINE (8)

ANNEX C

ONAV 5214/144 (REV. 6-70)
S/N 0107-LF-778-6999

DEPARTMENT OF THE NAVY

Memorandum

LMA-1-KRS/clt
4400/40

DATE 09 MAY 1980

FROM Chairman, Marine Corps Provisioning Policy Review Study Group

TO Deputy Chief of Staff for Installations and Logistics
VIA: Director, Materiel Division

SUBJ Progress Report

REF: (a) Marine Corps Provisioning Policy Review Study Plan, approved 22Oct79
(b) Progress Report dtd 30Jan80

ENCL: (1) 2nd FSSG MOE (Rounded Down)
(2) 2nd FSSG MOE (Rounded 0.5 and 0.15)
(3) 3rd FSSG MOE (Rounded Down)
(4) 3rd FSSG MOE (Rounded 0.5 and 0.15)
(5) End Item Usage
(6) Potential Provisioning Policy Changes
(7) Projects to be recomputed using Potential Policy Changes

1. As required by references (a) and (b), the following report is submitted.

a. Since the last Progress Report of 4 April 1980, the following actions have been taken:

(1) The Measures of Effectiveness (MOE's) for the 2nd FSSG were calculated, enclosure (1), utilizing existing provisioning policy rounding convention, which is rounding fractional computational results down.

(2) The MOE's that are affected by rounding conventions were recalculated, enclosure (2), for 2nd FSSG using the common 0.5 rounding convention and a 0.15 rounding convention (approximates use of 1 repair part within 1 year).

(3) Partial MOE"s were calculated for 3rd FSSG, enclosures (3) and (4). The 3rd FSSG data tapes were inadvertently mailed back to 3rd FSSG before MOE's 6, 8, and 9 could be calculated. The tapes have been requested to be mailed back to MCMC for completion of MOE calculations.

(4) End item usage, enclosure (5), was obtained by MCLB, Albany from the Maintenance Management Offices of the MAF's.

(5) During a work session, the Study Group developed the potential provisioning policy changes identified in enclosure (6). This completes Task 9 of the study plan.

(6) Further analyses of the potential policy changes will be conducted at MCLB, Albany during 19-22 May 1980 using the end items listed on enclosure (5). [illegible] Albany as high dollar projects where repair parts [illegible]

Subj: Progress Report

existing policy. The provisioning requirements will be recomputed under the potential policy changes for further analyses and comparisons.

b. There are some deficiencies existing in consolidated initial issue listings which will result in the recomputation of selected MOE's for selected end items.

c. The 1st FSSG data tapes are being processed and MOE data sheets computed. It is anticipated that MOE calculations for 1st FSSG will be completed by 16 May 1980.

2. A slippage in the completion date for the study is anticipated, however, the extent of the slippage will not be known until the additional consolidated initial issue listings have been received from MCLB, Albany and an impact determination made.

3. It is requested that the potential policy changes contained in enclosure (6) be approved for further analysis.

Jerome W. Brown

JEROME W. BROWN

DC/S I&L DECISION PAR 3

APPROVED

DISAPPROVED

Evidence of Interference (cont)

Critical Issue	1		2		3		5		6		7	8		9		
[illegible]	C	R	C	R	C	R	C	R	C	R	C/R	$ C	$ R	C	R	C/
[illegible]	Boundary		0	NA	1.0	NA	1.0	NA	.44	NA	-----	$4,303.35	NA	0	NA	
[illegible]-36	.84	.58	0	0	.909	1.0	.94	1.0	.49	1.0	-----	693.13	0	.00	.62	NS
[illegible]-32	.96	.74	0	0	1.0	1.0	1.0	.83	.17	.86	-----	1,909.95	$1.94	.63	.58	
[illegible]-75	.95	.90	0	NA	1.0	NA	.75	NA	.50	NA	-----	350.05	NA	.95	NA	
[illegible]-5	.90	1.0	0	0	1.0	1.0	1.0	1.0	.35	.93	-----	1,635.51	840.29	.57	.97	
[illegible]-150	.89	.93	.03	$62.81	.985	NA	.77	NA	.17	NA	3/0	2,159.63	NA	.32	NA	S
[illegible]-18	.94	.82	0	0	1.0	1.0	.83	1.0	.21	.67	-----	7,671.90	8,546.71	.90	.88	
[illegible]-70	Boundary		0	NA	1.0	NA	1.0	NA	.38	.00	-----	1,594.72	1,605.21	.67	1.0	
[illegible]-71	Boundary		0	NA	1.0	NA	1.0	NA	.39	.00	-----	1,[illegible]	1,331.08	.98	1.0	
[illegible]-7	Boundary		0	0	1.0	1.0	1.0	1.0	.51	.00	-----	3,[illegible]5.24	1.92	.69	.67	
[illegible]	Boundary		0	NA	1.0	NA	1.0	NA	.15	NA	-----	7,[illegible].61	NA	.72	NA	
[illegible]	.63	.64	0	NA	1.0	NA	1.0	NA	.13	.75	-----	1,[illegible].47	325.69	1.0	1.0	
[illegible]	.95	1.0	0	0	1.0	1.0	1.0	1.0	.08	.00	-----	3,[illegible].55	305.16	.96	.91	
[illegible]	Boundary		0	NA	1.0	NA	1.0	NA	.15	NA	-----	935.18	NA	.91	NA	
[illegible]-15	Boundary		0	0	1.0	1.0	1.0	1.0	.97	.44	-----	115.66	62,142.79	.82	.63	
[illegible]-52	Boundary		0	NA	1.0	NA	1.0	NA	.26	.22	-----	9[illegible].31	66.58	.95	1.0	
[illegible]	.94	1.0	0	NA	1.0	NA	1.0	NA	.23	.00	-----	167.73	.85	.78	1.0	
[illegible]-137	Boundary		NA	0	NA	1.0	NA	1.0	NA	1.0	-----	NA	.00	NA	0.0	
[illegible]	.92	.97	.05	NA	.99	NA	.48	NA	.47	.60	-----	242.18	43.9	.82	1.0	7/
[illegible]	Boundary		0	NA	1.0	NA	1.0	NA	.02	NA	-----	1,170.67	NA	.72	NA	
[illegible]	.93	.96	.02	0	.99	1.0	.55	0.0	.54	.40	9/1	4,[illegible].23	1,276.58	.77	.92	3/
[illegible]	Boundary		0	NA	1.0	NA	1.0	NA	.59	NA	-----	173.64	NA	0.0	NA	
[illegible]	Boundary		0	NA	1.0	NA	1.0	NA	.29	NA	-----	383.62	NA	.29	NA	
[illegible]	.94	1.0	0	NA	1.0	NA	.83	NA	.22	NA	-----	1,745.31	NA	.62	NA	
[illegible]-33	.93	.99	0	NA	1.0	NA	.54	NA	.31	NA	-----	2,[illegible].20	NA	0.0	NA	
[illegible]3931	.91	1.0	.06	NA	.94	NA	.80	NA	.11	NA	8/0	3,513.50	NA	.85	NA	4/
[illegible]	.93	1.0	0	NA	1.0	NA	1.0	NA	.34	NA	-----	[illegible].72	NA	.52	NA	
[illegible]-5	Boundary		0	NA	1.0	NA	1.0	NA	.59	NA	-----	332.90	NA	.54	NA	
[illegible]	.92	1.0	0	NA	1.0	NA	1.0	NA	.24	NA	-----	951.09	NA	.98	NA	
[illegible]	Boundary		0	NA	1.0	NA	1.0	NA	.47	1.0	-----	31.67	0.9	.58	1.0	
[illegible]062	Boundary		0	NA	1.0	NA	1.0	NA	.49	NA	-----	90.87	NA	.69	NA	
[illegible]	Boundary		0	NA	1.0	NA	1.0	NA	.50	.00	-----	676.74	72.00	.71	1.0	
[illegible]35	.94	.31	.01	0	1.0	1.0	.71	1.0	.25	.067	-----	1,628.39	25,622.57	.81	.50	2
[illegible]	.97	.93	0	0	1.0	1.0	1.0	1.0	.18	.00	-----	1,160.92	7,519.14	.69	.58	
[illegible]	.97	1.0	0	NA	1.0	NA	.85	NA	.31	NA	-----	267.68	NA	.83	NA	
[illegible]-46	Boundary		0	0	1.0	1.0	1.0	1.0	.25	.00	-----	9,506.63	22,631.50	.73	.50	
[illegible]	.93	.95	$351.18	.007	NA	1.0	NA	1.0	NA	1.0	-----	NA	.00	NA	.64	2[illegible]
[illegible]	.96	1.0	.007	$4.58	1.0	NA	1.0	NA	.64	NA	-----	205.29	NA	.64	NA	2[illegible]
[illegible]-0	.89	.91	2.78	NA	.77	NA	.24	NA	.75	NA	31/0	2,925.78	NA	.74	NA	142
[illegible]	.67	.75	.28	$42.51	1.0	NA	.60	NA	.71	NA	7/0	1,017.17	NA	.99	NA	5
[illegible]-04	.94	.90	0	NA	1.0	NA	.97	NA	.52	NA	-----	1,572.24	NA	.87	NA	

Disclosure (F)

ANNEX C

Initial Issue	2		3		5		12		2		3		5		12	
	C	R	C	R	C	R	CR/CD	NR/ND	C	R	C	R	C	R	CR/CD	NR/ND
[illegible]	0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS	NA
[illegible]	.005	0.0	.98	1.0	.94	1.0	2/0	NS	.01	0.0	.98	1.0	.94	1.0	5/1	NS
[illegible]	0.0	0.0	1.0	1.0	1.0	.83	NS	NS	.00	0.0	1.0	1.0	1.0	.83	2/0	NS
[illegible]	.08	NA	.99	NA	.75	NA	1/0	NS	12.3	$29.46	.99	NA	.75	NA	9/0	NS
[illegible]	.01	0.0	1.0	1.0	1.0	1.0	3/0	NS	.12	0.0	1.0	1.0	1.0	1.0	8/0	NS
[illegible]	.05	$62.77	.96	NA	.77	NA	9/1	2/0	.47	$62.77	.94	NA	.77	NA	24/1	NS
[illegible]	.00	0.0	.98	1.0	.83	1.0	1/0	NS	.09	.09	.92	1.0	.83	1.0	7/0	NS
[illegible]	0.01	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS	NA
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.01	NA	1.0	NA	1.0	NA	NS	NA
[illegible]	0.0	0.0	1.0	1.0	1.0	1.0	NS	NS	0.0	0.0	1.0	1.0	1.0	1.0	NS	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS	NA
[illegible]	339	NA	1.0	NA	1.0	NA	5/0	NA	616.5	$193	1.0	NA	1.0	NA	18/0	NS
[illegible]	0.0	0.0	1.0	1.0	1.0	1.0	NS	NS	.004	0.0	1.0	1.0	1.0	1.0	3/0	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS	NA
[illegible]	0.0	0.0	1.0	1.0	1.0	1.0	NS	NS	0.0	0.0	1.0	1.0	1.0	1.0	NS	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS	NA
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	.00	NA	1.0	NA	1.0	NA	1/0	NS
[illegible]	NA	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	.06	NA	.938	NA	.48	NA	13/2	NA	2.4	$47.54	.97	NA	.48	NA	102/2	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS	NA
[illegible]	.02	0.0	.98	.75	.55	0.0	3/0	NS	.04	0.0	.97	.75	.55	0.0	12/0	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS	NA
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS	NA
[illegible]	0.0	NA	1.0	NA	.83	NA	NS	NA	.00	NA	.87	NA	.83	NA	5/0	NS
[illegible]	0.0	NA	1.0	NA	.54	NA	NS	NA	.00	NA	.50	NA	.54	NA	1/0	NS
[illegible]	.10	NA	.92	NA	.80	NA	6/1	NA	.04	NA	.92	NA	.80	NA	7/1	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	.03	NA	1.0	NA	1.0	NA	5/0	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS	NA
[illegible]	8.0	NA	1.0	NA	1.0	NA	2/0	NA	11.6	NA	1.0	NA	1.0	NA	8/0	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS	NS
[illegible]	.02	0.0	1.0	1.0	.71	1.0	4/0	NS	.05	0.0	.98	1.0	.71	1.0	7/0	NS
[illegible]	.001	0.0	1.0	1.0	1.0	1.0	1/0	NS	.01	0.0	1.0	1.0	1.0	1.0	2/0	NS
[illegible]	.006	NA	.99	NA	.85	NA	2/0	NS	.02	NA	.99	NA	.85	NA	3/0	NS
[illegible]	0.0	0.0	1.0	1.0	1.0	1.0	NS	NS	0.0	0.0	1.0	1.0	1.0	1.0	NS	NS
[illegible]	$468.05	.006	NA	1.0	NA	1.0	41/0	1/0	$1108.71	.06	NA	1.0	NA	1.0	91/0	NS
[illegible]	.007	$4.58	1.0	NA	1.0	NA	2/0	1/0	.02	$4.58	1.0	NA	1.0	NA	3/0	NS
[illegible]	3.61	$62.71	.71	NA	.24	NA	210/16	1/0	5.25	$10128	.51	NA	.24	NA	435/19	NS
[illegible]	22.5	$116.72	1.0	NA	.80	NA	87/1	2/0	41.46	$222.02	.98	NA	.80	NA	140/1	NS
[illegible]	.001	NA	1.0	NA	.97	NA	1/0	NA	.13	NA	.99	NA	.97	NA	11/0	NS

Enclosure (2)

Measure of Effectiveness (MOE)

Initial Issue Products	1 C	1 R	2 C	2 R	3 C	3 R	5 C	5 R	6 C	6 R	7 C	7 R	8 C	8 R	9 C	9 R	12 CE/CD F
[illegible]	Nousage		0	NA	1.0	NA	1.0	NA									NS
[illegible] AN/PSS-16	.78	.89	.12	0	.99	1.0	.88	.50			1	0					17/1
[illegible] AN/PSS-32	Nousage		0	0	1.0	1.0	1.0	1.0									NS
[illegible] AN/PSS-75	.96	.97	1.67	$200.72	.99	NA	.75	NA									2/0
[illegible] AN/TYC-5	.90	.93	1.24	.29	.99	1.0	.85	.5			3	0					9/1
[illegible] Detector MX-450	.88	.87	.03	NA	.99	NA	.75	NA			4	0					7/1
[illegible] AN/PSM-18	.90	.83	.0006	0	.95	1.0	.81	.5			1	0					1/0
[illegible] AN/UYK-70	Nousage		0	NA	1.0	NA	1.0	NA									NS
[illegible] AN/UYK-71	Nousage		0	0	1.0	NA	1.0	NA									NS
[illegible] AN/PSN-7	Nousage		0	0.0	1.0	1.0	1.0	1.0									NS
[illegible]	Nousage		0	NA	1.0	NA	1.0	NA									NS
[illegible]	.83	.74	495	0	1.0	NA	1.0	NA			3	0					12/0
[illegible]	.92	.85	.02	0	.99	1.0	.92	1.0									2/0
[illegible]	.94	1.0	0	NA	1.0	NA	1.0	NA									NS
[illegible] AN/PSN-15	Nousage		0	0	1.0	1.0	1.0	1.0									NS
[illegible] AN/UYQ-52	Nousage		0	NA	1.0	NA	1.0	NA									NS
[illegible]	Nousage		0	NA	1.0	NA	1.0	NA									NS
[illegible] AN/UYK-137	Nousage		NA	0	NA	1.0	NA	1.0									NS
[illegible]	Nousage		0	NA	1.0	NA	1.0	NA									NS
[illegible]	Nousage		0	NA	1.0	NA	1.0	NA									NS
[illegible]	.95	.98	0	0	.99	1.0	.59	0.0									NS
[illegible]	.85	1.0	0	NA	1.0	NA	1.0	NA									NS
[illegible]	Nousage		0	NA	1.0	NA	1.0	NA									NS
[illegible]	.85	.31	0	NA	1.0	NA	.88	NA									NS
[illegible]	.89	.95	0	NA	.95	NA	.69	NA									NS
[illegible]	.91	NA	0	NA	1.0	NA	1.0	NA									NS
[illegible]	Nousage		0	NA	1.0	NA	1.0	NA									NS
[illegible]	Nousage		0	NA	1.0	NA	1.0	NA									NS
[illegible]	.65	1.0	0	NA	1.0	NA	1.0	NA									NS
[illegible]	Nousage		0	NA	1.0	NA	1.0	NA									NS
[illegible]	Nousage		0	NA	1.0	NA	1.0	NA									NS
[illegible]	Nousage		0	NA	1.0	NA	1.0	NA									NS
[illegible]	Nousage		0	0	1.0	1.0	1.0	1.0									NS
[illegible]	.99	1.0	0	0	1.0	1.0	1.0	1.0									NS
[illegible]	Nousage		0	NA	1.0	NA	1.0	NA									NS
[illegible]	Nousage		0	0	1.0	1.0	1.0	1.0									NS
[illegible]	.99	1.0	NA	0	NA	1.0	NA	1.0									NS
[illegible]	Nousage		0	NA	1.0	NA	1.0	NA									NS
[illegible]	.88	.95	1.23	$178.06	.80	NA	.31	NA			60	0					107/13
[illegible]	.90	.98	1.34	NA	.80	NA	.60	NA			2	0					5/0
[illegible] AN/SQ-84	.83	.98	1.58	NA	1.0	NA	.86	NA									5/0

Enclosure (3)

(0.5 [illegible]) [illegible] (0.15 [illegible])

Measure of Effectiveness (MOE)

Initial Issue Products	2 C	2 R	3 C	3 R	5 C	5 R	12 C	12 R	2 C	2 R	3 C	3 R	5 C	5 R	12 CR/CD
[illegible] IMP BASE	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible] AN/PRC-36	.17	0.0	.995	1.0	.88	.5	27/1	NS	3.87	.61	.99	.84	.88	.50	71/1
[illegible] AN/PRC-32	0.0	0.0	1.0	1.0	1.0	1.0	NS	NS	0.0	0.0	1.0	1.0	1.0	1.0	NS
[illegible] AN/PRC-75	8.06	$3792.72	.99	NA	.75	NA	6/0	2/0	13.09	$3792.72	.98	NA	.75	NA	11/0
[illegible] AN/TYC-5	1.36	.29	.998	1.0	.05	.5	33/1	1/0	2.28	4.81	.99	1.0	.85	.5	61/1
[illegible] MC-450	.39	NA	.96	NA	.75	NA	18/2	NS	.69	$1638.32	.88	NA	.75	NA	45/2
[illegible] AN/PRM-18	.06	0.0	.93	1.0	.81	.5	3/0	NS	.11	.55	.11	1.0	.81	.5	9/0
[illegible] AN/PRC-70	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible] AN/PRC-71	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible] AN/PRM-7	0.0	0.0	1.0	1.0	1.0	1.0	NS	NS	0.0	0.0	1.0	1.0	1.0	1.0	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	4035	$1852	1.0	NA	1.0	NA	19/0	1/0	18760	$7906.12	1.0	NA	1.0	NA	26/0
[illegible]	.05	0.0	.99	1.0	.92	1.0	4/0	NS	.13	.36	.98	1.0	.92	1.0	12/0
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	0.0	0.0	1.0	1.0	1.0	1.0	NS	NS	0.0	0.0	1.0	1.0	1.0	1.0	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	NA	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	0.0	0.0	.99	1.0	.59	0.0	1/0	NS	0.0	0.0	.57	.75	.57	0.0	1/0
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	.17	NA	1.0	NA	1.0	NA	1/0
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	0.0	NA	1.0	NA	.88	NA	NS	NA	.01	NA	.90	NA	.88	NA	3/0
[illegible]	.02	NA	.91	NA	.69	NA	1/0	NA	.02	NA	.52	NA	.69	NA	1/0
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	8.04	NA	1.0	NA	1.0	NA	2/0
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	0.0	0.0	1.0	1.0	1.0	1.0	NS	NA	0.0	0.0	1.0	1.0	1.0	1.0	NS
[illegible]	0.0	0.0	1.0	1.0	1.0	1.0	NS	NS	0.0	0.0	1.0	1.0	1.0	1.0	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	0.0	0.0	1.0	1.0	1.0	1.0	NS	NS	0.0	0.0	1.0	1.0	1.0	1.0	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	0.0	NA	1.0	NA	1.0	NA	NS	NA	0.0	NA	1.0	NA	1.0	NA	NS
[illegible]	.12	NA	0.0	NA	.31	NA	169/13	NA	3.17	$4358.40	.58	NA	.31	NA	327/15
[illegible]	0.0	NA	0.0	NA	.60	NA	4/0	NA	13.6	NA	.42	NA	.60	NA	60/0
[illegible]	2.37	NA	0.0	NA	.86	NA	15/0	NA	2.67	NA	.99	NA	.86	NA	29/0

Enclosure (7)

ID #	TAM #	NOMENCLATURE	I MAF				II MAF				III MAF			
			ALL	O/H	DL	MOOS	ALL	O/H	DL	MOOS	ALL	O/H	DL	MOOS
06824A	A3239	AN/UPN-32	11	11	3	0	12	11	2	0	10	8	1	0
06828B	A2040	AN/PRC-75	173	174	30	0	213	112	14	0	129	122	13	0
07115B	A0437	AN/TYC-5A	5	4	0	0	4	4	0	0	5	3	2	0
07116B	B2444	Tractor MC450	7	7	0	1	7	6	2	0	7	8	4	0
07459A	E1916	DRAGON AN/TSM-128	8	8	2	0	10	12	0	0	10	10	1	0
07516A	A0246	Cent Off Tele AN/TTC-38(V)2	1	1	0	0	1	1	0	0	1	1	0	0
07539A	B1050	Gen 200 KW	30	33	1	14	38	37	0	6	31	33	0	1
07581A	A1413	Radar AN/PPS-15	61	61	1	0	60	60	3	0	59	47	0	0
07664A	E0003	A/C 1800 BTU	106	100	4	0	133	128	2	0	143	129	14	0
07666A	B0009	A/C 9000 BTKU	5	5	0	0	7	11	0	0	9	9	0	0
07679A	B0673	Freq Conv CV 3231/U	63	61	17	10	67	59	5	0	56	62	9	1
07726A	A1695	Radio Freq AN/USQ-46A	42	42	4	0	42	40	1	0	45	43	4	0
07727A	A2275	Rec, Signal Data RO-376/USQ	22	21	1	0	22	20	1	0	22	20	2	0
07779A	A2811	Test Set OQ-60/USQ-46	5	5	0	0	5	2	0	0	5	4	0	0
07838A	D1156	Trk, Missile Car M2	60	60	4	0	36	36	1	0	12	12	1	0
07862A	F0235	Semi-Trnl 40 Ton-M870	16	17	0	1	16	16	2	3	11	11	0	0
07864A	D1015	Trk, Cargo M880	272	266	36	6	312	306	69	0	268	248	26	0
07865A	D0915	Trk, Ambl M886	16	26	1	10	36	34	3	0	34	33	4	0
07873A	A0311	Comm, Tech Cent AN/TSQ-84	4	3	0	0	4	4	0	0	4	4	0	0

POTENTIAL PROVISIONING POLICY CHANGES

GARRISON OPERATING LEVEL (GOL)

1. ITEMS COMMON TO SASSY

   a. DO NOT COMPUTE INITIAL ISSUE REQUIREMENTS

2. ITEMS PECULIAR TO SASSY

   a. COMPUTE

      (1) DO NOT FORCE

   b. DO NOT COMPUTE CONSUMABLES THAT ARE MANAGED AND STOCKED BY INTEGRATED MATERIEL MANAGER EXCEPT SCHEDULED MAINTENANCE ITEMS (i.e., Fuel Filter, Oil Filter)

3. WARRANTY TYPE ITEMS:

   a. COMMERCIAL/MILITARY ITEM:

      (1) NO GOL AUTHORIZED:

         (a) VENDOR AVAILABLE LOCALLY

      (2) OVERPACK GOL AUTHORIZED IF NO VENDOR AVAILABLE LOCALLY

4. CONTRACTOR SUPPORT:

   a. IF PRODUCTION LINE EXCEEDS 1 YEAR

   b. PECULIAR PARTS SUPPORT/REPAIR ONLY

MOUNT-OUT

1. ITEMS COMMON TO SASSY

   a. DO NOT COMPUTE INITIAL MOUNT-OUT REQUIREMENTS

2. ITEMS PECULIAR TO SASSY

   a. COMPUTE FOR 60 DAYS

      (1) DO NOT FORCE

   b. DOES NOT COMPUTE FOR 60 DAYS

      (1) USE MCO 4400.141

          FILTER MATRIX

      (2) IF ITEM PASSES FILTER COMPUTE FOR 360 DAYS.

          IF = 1 OR GREATER

          MO = 1

3. WARRANTY TYPE ITEMS

   a. COMMERCIAL/MILITARY ITEM:

      (1) OVERPACK 60 DAY MOUNT-OUT

      (2) DO NOT FORCE

      (3) DO NOT USE MATRIX

ANNEX C

PROJECTS TO BE RECOMPUTED USING POTENTIAL POLICY CHANGES

ID #	NOMENCLATURE	IN-SERVICE DATE
07581	Radar Set, AN/PPS-15	Oct 79
07536	Generator Set, MEP009A	Nov 79
07664	Air Conditioner, 18000 BTU	Apr 78
07727	Receiving Set RO-376	Jan 79
TBD	New Project	Not In-Service
TBD	New Project	Not In-Service

DEPARTMENT OF THE NAVY

Memorandum

IMA-1/KRS/bcj
DATE 20 JUN 1980

FROM: Deputy Chief of Staff for Installations and Logistics

TO: Assistant Commandant and Chief of Staff
VIA: Deputy Chief of Staff for Research, Development and Studies

SUBJ: Initial Issue Provisioning Policy Review Study

REF: (a) MCO P4400.79C
(b) MCO P3902.1

1. Reference (a) prescribes the provisioning policy and management principles for the identification, computation, acquisition, and positioning of initial spares/repair parts that are necessary to support the introduction of end items into the Fleet Marine Forces. This directive has been in effect approximately three years and, as with any complex management process, the expected results of actual spare/repair parts usage/demands are not always realized. Experience in the FMF has indicated that current provisioning policy has resulted in spare/repair part excesses and deficiencies. Consequently, on 14 September 1979, I directed that an in-depth review of current provisioning policies be conducted in order to determine the specific cause contributing to excesses and deficiencies and to make recommendations with a view towards making policy changes as appropriate.

2. This decision memorandum is submitted in accordance with reference (b), but prior to the submission of the subject study, since it has become evident that the implementation of the study's recommendations will result in improved provisioning and significant monetary savings. Therefore, it is desirable to staff these recommendations based on an essentially complete analysis of the provisioning process so that, upon approval of these recommendations, these savings can be instituted at the earliest possible time.

3. A noteworthy product of the study has been a set of computer programs which coordinates data extraction from such large files as the MIMMS Equipment Repair Order file and the SASSY Master Header Information file, General Account Balance file, and Maintenance Float Balance file. The data contained in these files formed the input that made the calculation of the study measures of effectiveness possible. These programs have not only provided a basis on which to judge the current provisioning policy but they will also be used to determine the effectiveness of initial issue provisioning policy in the future.

4. The objectives of the study were threefold:

(a) To determine if the current provisioning policy provides for a stated weapon system equipment availability at minimum cost.

(b) To identify improvements in current policy that are necessary to achieve a stated weapon system/equipment availability at reduced cost.

(c) Identify areas that may require additional study. There were no changes to these objectives throughout the study and the objectives of the study were met. Thirty-seven initial issue provisioning projects were analyzed using nine measures of effectiveness. The projects' inservice dates varied from February 1977 to November 1979.

5. In comparing demand to quantities provisioned, maintenance history files from II MAF and III MAF covering the period from late 1978 to early 1980 were analyzed. In every project that was studied over-provisioning had occurred for both consummables and reparables. In 65% of the projects studied, there was no demand at all for the range of items provisioned. Where demand did exist, it was a small fraction of the quantity provisioned. The evidence of overprovisioning for reparables was particularly conclusive. Only one project showed a demand for a provisioned reparable. Instances of shortages due to range (i.e., there was demand for an item that was not provisioned), were more numerous than shortages due to depth. The overall equipment repair parts availability of the thirty-seven initial provisioning projects was 94%. This overwhelming evidence of overprovisioning led the study group to recommend the policy changes in the following paragraph.

6. Recommendations:

RECOMMENDATION I. Do not acquire or provide repair parts in an initial issue garrison operating level (GOL) for the introduction of new end items into the FMF under one of the following conditions:

(1) When the end item is under a one year warranty and a repair parts vendor is available locally.

(2) When a one year repair parts basic ordering agreement is established in the end item contract to permit FSSG's to acquire repair parts as needed.

(3) When the Marine Corps is already registered as a user of the repair part and the repair part is managed and stocked by an integrated materiel manager or other service.

a. Discussion: Due to low initial usage of repair parts in a peacetime environment, repair parts can be obtained by FSSG's from a local vendor, contractor, or integrated materiel manager without adversely affecting end item availability.

b. Recommended Position. Concur.

c. Recommended Action. The DC/S I&L forward policy change to the MCLB, Albany for implementation.

Subj: Provisioning Policy Review Study

RECOMMENDATION II. Do not acquire or provide insurance item repair parts in an initial issue mount-out (MO) that do not compute for a 60-day period (or 180-day period for designated critical low density end items) and meets one of the following conditions:

(1) When the Marine Corps is already registered as a user of the repair part and the repair part is managed and stocked by an integrated materiel manager or other service.

(2) When the repair part is readily available on the commercial market.

(3) When the repair part is a consumable item not readily available on the commercial market or stocked by an integrated materiel manager or other service but is unique to a reparable item only.

(4) When insurance items are not required during a one-year period of operational use.

a. Discussion: If a repair part is not anticipated to be required for a 60-day mount out and is available from an integrated materiel manager or other service, or readily available from the commercial market, the part should be available if unanticipated demand for the part is experienced. In addition, if a consumable repair part is unique to a reparable item and is not anticipated during a 60-day period, the reparable item would be provided as an insurance item, thus negating the need for the consumable item.

b. Recommended Position. Concur.

c. Recommended Action. The DC/S, I&L forward policy change to the MCLB, Albany for implementation.

H. A. HATCH

1. For Decision by the Assistant Commandant and Chief of Staff

Recommendation #1
ACMC&CS Action: Approved_____
Disapproved_____

Recommendation #2
ACMC&CS Action: Approved_____
Disapproved_____

ANNEX I

ADP SYSTEM SUPPORT

1. OVERVIEW. A significant effort in the conduct of the study was the development of an automated means by which the Measures of Effectiveness could be readily computed for any particular end item or list of end items. Each of the MOE's was decomposed to its lowest factorable level and a list of required variables was developed from which each of the MOE's could be recomputed. Table I contains this list of parameters. All ADP processing was oriented toward the determination of each of these MOE parameters.

In order to accomplish this requirement, it was determined that the following files would be required:

1. ERO History File (Field Subsystem MIMMS)

2. General Account Balance File-GABF (SASSY)

3. Maintenance Float Balance File-MFBF (SASSY)

4. Master Header Information File-MHIF (SASSY)

It should be noted that the determination of the MOE parameters was to be conducted for each active MAF, therefore, the four files were requested from the First, Second, and Third FSSG. The four data sets previously listed provided the study team a source of current NSN usage data as well as other NSN factors with respect to each items current status, i. e., whether a part is combat critical, its unit price, whether it was RO, etc.

In addition to current part usage and status information, it was necessary to have, in automated form, the original provisioning quantities (both GOL and M/O) for each of the end items to be addressed by the study. The original consolidated lists existed at Albany but in a hardcopy report only. Therefore, a substantial key punch effort was required to create an automated file containing this data.

Once the primary data sets for each MAF were available, a series of programs was developed in order to compute the MOE factors. This processing can be broken down into four distinct phases:

1. Create an expanded consolidated list

2. Compute secondary reparable factors

3. Create an ERO subfile

4. MOE factor computation and report generation

Figure 1 provides an overview of the sequencing of each of these four phases. It should be noted that this sequence had to be repeated for each of the three active MAF's.

The body of this Annex provides detailed descriptions of each of these processing phases. Each section contains a detailed flow diagram showing the interrelationships of the various files and programs within each phase. Section 5, which describes the Report Generation Process, additionally contains sample reports which reflect the end result of the entire ADP sequence.

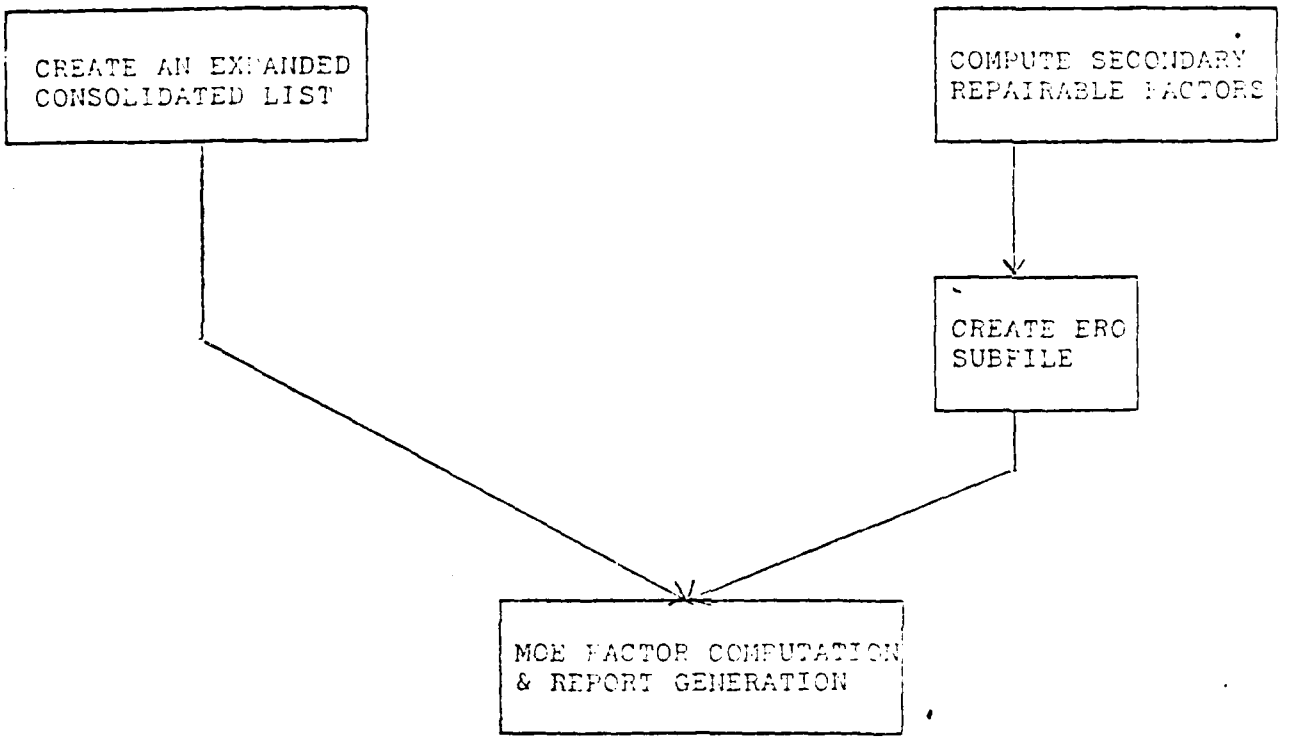
Several Appendices provide supplementary information. Appendix 1 contains the file definitions (FD's) of each of the primary data files used during the study and also the file definitions of the major interim working files created in this ADP process. Appendix 2 contains two of the Mark IV tables used in the sequence. Appendix 3 contains the complete source listings of each of the programs developed within each of the four major processing phases. The examples provided pertain to the determination of II MAF's MOE parameters. The other two MAF's were conducted in an analogous fashion. These programs were written to be executed on an IBM 360 using standard IBM 360 Job Control Language and utilities. The MARK IV retrieval language is used as the principal programming lanuguage.

TABLE I, ANNEX I

MOE COMPUTATION PARAMETERS

1. Cost of IIP: Garrison Operating Level (GOL)
2. Cost of IIP: Mount Out (M/O)
3. Range of IIP: GOL
4. Range of IIP: M/O
5. Percent of the IIP Range which is RO
6. Percent of the IIP (GOL) Range which is RO
7. Cost of IIP (total) which is not RO
8. Cost of IIP (GOL) which is critical
9. Total and average time awaiting parts
10. Total and average time awaiting parts ordered "NORS"
11. Number and cost of shortages (range and depth)
12. Number and cost of overages (range and depth)
13. Range and cost of items with zero demand

4 PROCESSING PHASES



NOTE: THIS ENTIRE SEQUENCE WAS REPEATED FOR EACH MAF (I,II&III).

Figure 1

2. PHASE I - CREATE AN EXPANDED CONSOLIDATED LIST.

a. Keypunch Original IIP Quantities. The first primary working file to be constructed is called the Expanded Consolidated List. It contains all data pertaining to the original provisioning quantities. As previously mentioned, the GOL and M/O provisioning quantities for each NSN associated with an end item ID were available only in a hard copy form. These consolidated listings were provided to HQMC from Albany for each of the end items addressed by the study. Table II provides a list of each of the projects which were received for the ID numbers studied. Using the SCANDATA data entry system, the hardcopy consolidated listings were keypunched into a temporary file. Refering to Figure 2, in the case of II MAF, the data set name of this File was HQMC1.LMIS. CHADWIK, CONSLIST(0). The file definition of this data set is contained in Appendix 1 as Mark IV FD: CONSLIST.

b. Once the original consolidated list has been keypunched, several steps are required:

(1) It is necessary to remove the project number orientation and compute a total GOL and total M/O provisioning quantity for each unique NSN/ID Number pairing, i. e., if an NSN is in several projects pertaining to the same end item, a cumulative total needs to be computed.

(2) Since comparisons with current usage data is the eventual aim of this processing, it is necessary to determine the current preferred NSN for each of the original NSN's.

(3) Various NSN related data elements need to be amended to the file, i. e.,

i. Unit Price

ii. Combat Essentiallity Code

iii. Whether the NSN is a Consumable or a Reparable

iv. NSN Nomenclature

v. Order Ship Time

vi. Whether the NSN has a requisition objective or a Total Allowance Quantity

The program EXP-CONS executes the steps just defined. The MHIF, GABF and MFBF are coordinated with the temporary data set HQMC1.LMIS.CHADWIK.CONLIST (0) producing the working file: HQMC1.LPS2.I4524.CONSII (this version is II MAF related). The file definition with the data elements contained therein is an Appendix 1 as FD:EXPDCONS. Appendix 3 contains the source listing for the program EXP-CONS.

TABLE II, ANNEX I

PROJECTS ENTERED INTO CONSOLIDATED LISTINGS

ID NO.	PROJECT NO.	NO. OF NSN'S
06535B	C3T	144
06824A	B1A	7
	B1B	6
06828B	B0R	34
07118B	C5G	418
07459A	A8J	506
	C1A	59
07475A	A4U	218
07476A	A5I	189
07477A	A4W	135
07500A	A2F	53
07516A	A56	73
07536A	A4R	417
	B0G	396
07579A	A4C	27
07581A	A1T	309
07618A	B8Y	1052
07623A	B0M	543
07630M	A0L	5
07632A	B04	264
07661A	A1S	49
07664A	A2S	42
	C3D	36
07665A	A2I	37

TABLE II, ANNEX I

PROJECTS ENTERED INTO CONSOLIDATED LISTINGS

ID NO.	PROJECT NO.	NO. OF NSN'S
07666A	A2I	54
07672A	A3L	65
07673A	A3H	13
07679A	A2J	56
07684A	A5Z	160
07711A	A6L	21
07716A	A5U	20
07717A	A5Y	54
07718A	A5Q	51
07726A	A6F	39
07727A	A6E	47
07728A	A6Q	26
07729A	A60	74
07838A	B0Y	4
07862A	B7Q	11
07864A	B6Z	104
07865A	B7G	100

GENERATE EXPANDED CONSOLIDATED LIST

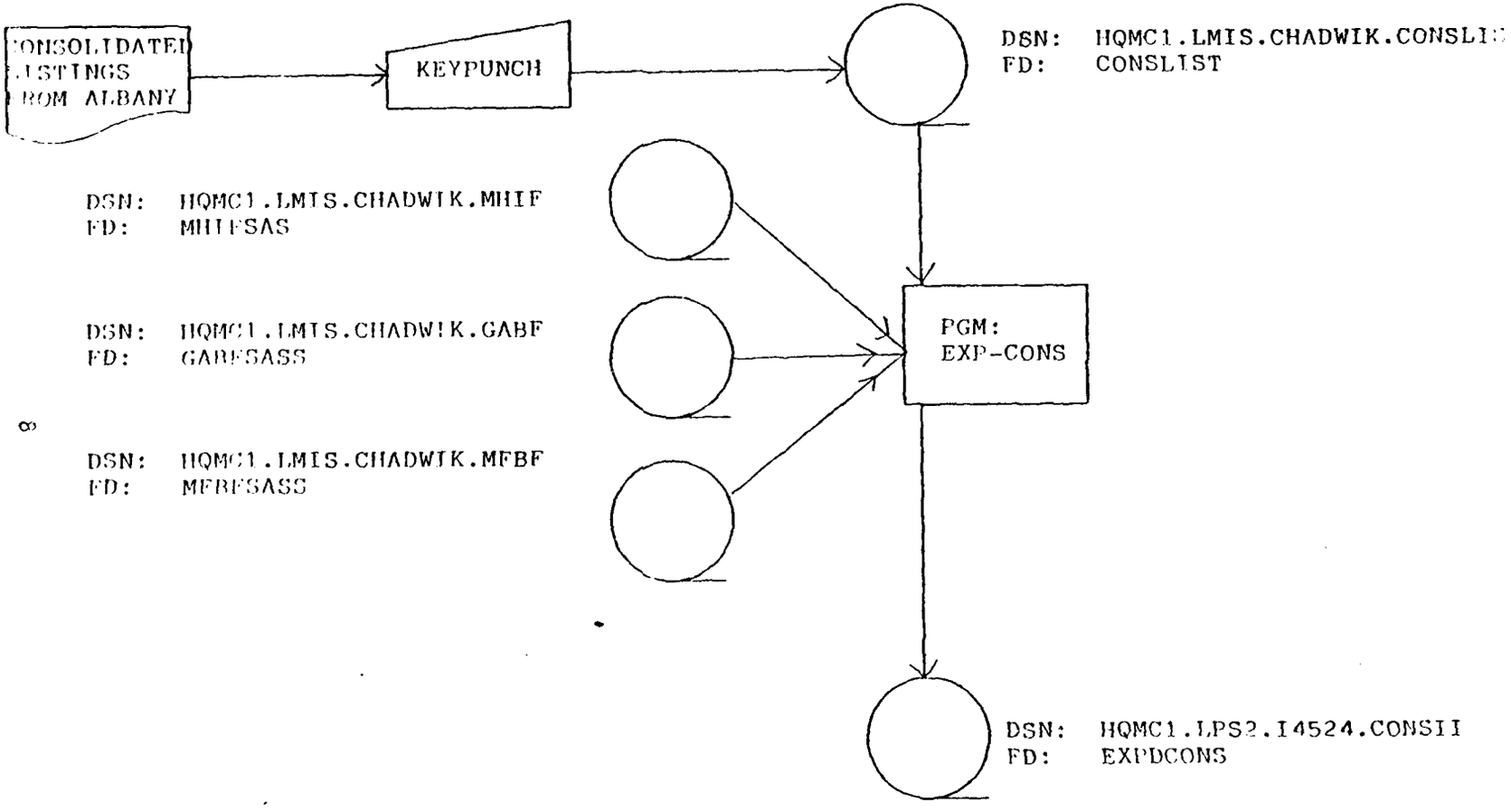


Figure 2

3. PHASE II - SECREP FACTOR COMPUTATIONS.

a. SECREP Identification. The second primary working file to be developed was an ERO subfile. Due to the sheer magnitude of each MAF's ERO histories, it was necessary to generate a subfile containing part usage data pertaining only to those ID numbers being addressed by the study. It was at this point that a significant weakness in the MIMMS ERO History File was discovered. For ERO's opened up on the end item itself, i. e., on the ID, it was a relatively simple task to extract valid part usage. However, for ERO's opened up on secondary reparables, the link from reparable to end item did not exist. Although the TAMCN Field in an ERO opened on a SECREP was supposed to contain the ID number of the end item from which it was removed, this was not reflected in the actual ERO history file. For example,a certain transmission may be common to the M880 truck (examined in the provisioning study) and other types of motor transport vehicles. When the transmission is removed from an M880 and floated to the maintenance float of the intermediate maintenance activities it may not be repaired for several weeks or even months. When it is entered into the maintenance system, the fact that it came from an M880 was not recorded. Compounding this problem were other similar transmissions that were removed from other types of end items and entered the maintenance system. No differentiation existed between transmissions that came from M880's and those that came from other end items. Hence, the impact of provisioning repair parts for M880 transmissions could not easily be ascertained. It was this problem which necessitated the phase II processing.

The original ERO History File from II MAF was cataloged as the data set: HQMC1.LMIS.CHADWIK. HISTORY. (The file definition PROV-SDY in Appendix 1 pertains.) The following automated/manual process was developed to alleviate the secondary reparable problem.

Referring to Figure 3, the program FACTOR-1 (with an end item selection list only) is initially executed using the ERO history as input and provides a report providing the following information with respect to each end item:

(1) The number of ERO's opened on each ID number.

(2) A list of those secondary reparable NSN's which have been removed from each of the end item ID's.

NOTE: It is assumed that a part requisitioned with an advice code of F1 through F6 is a reparable. Since the "F" type advice code signified a maintenance float type transaction, it was assumed that the item on requisition was a secondary reparable.

At the completion of the first iteration of the process, the program FACTOR-1 is modified to include, amended to the original end item selection list, an additional selection list of SECREP NSN's (See Appendix 3). The second iteration of the process produces a report with the following information:

(1) The number of ERO's opened on each end item ID.

(2) The number of ERO's opened on each of a selection list of SECREP NSN's.

(3) A list of SECREP NSN's which have been removed from an end item ID or from another reparable to include what it was removed from.

This iterative process is repeated until no additional SECREP NSN's are identified and all SECREP NSN's have had the total number of ERO's opened on them determined.

b. SECREP Factoring. Since a secondary reparable can be common to many various end items, a basic assumption is required at this stage of the process. It is necessary to compute the part usage resulting from a particular SECREP's repairs based only on the number of that SECREP which was required to be repaired for the specific end item under study. This situation is best illustrated by the following example:

A generator has been removed from a truck twice. Since it is common to many other trucks in the inventory suppose the generator has been repaired a total of 10 times. Therefore, only one fifth (2/10) of the depth of parts used to fix the generator should be attributed to the truck under study.

In general terms the following factoring equations have been developed:

(1) Parts used to repair a SECREP removed from an end item (SEC-REP-1):

$$\text{Factor} = \frac{\text{(Number of times a SEC-REP-1 repair was required for this end item}}{\text{(Total number of SEC-REP-1 repairs).}}$$

Note: The number of times a secondary repairable is required by an end item can be computed by counting the number of part requisitions (lower level ERO segments) for that particular NSN. The number of repairs on the SECREP can be determined by counting the number of ERO records opened up on the secondary reparable's NSN.

(2) Parts used to repair a SECREP (SEC-REP-2) which was removed from another SECREP (SEC-REP-1):

$$\text{Factor} = \frac{1}{\text{(Total number of SEC-REP-2 repairs)}} * \frac{\text{(Number of times a repair of a SECREP-2 was required in the repair of SEC-REP-1)}}{\text{(Total number of SEC-REP-1 repairs)}}$$

$$* \text{ (Number of times SEC-REP-1 repair was required for the end item)}$$

These factors are used as proportionality constants to convert total part usage toward a secondary reparable into only that part usage which is directly attributable toward a specific end item. Continuing the example:

Example: SEC-REP-1 = Generator

End Item = Truck

Factor = $\frac{2.}{10.}$

Therefore, the depth of parts required to repair all generators is multiplied by this Factor to compute the depth of parts required to repair only the truck's generator. (Note that the range of parts would remain the same). If over all generator repairs 20 electrical brushes were used, then 4 electrical brushes are attributable to the truck.

Using the ERO and SECREP histories produced by the program FACTOR-1 and the factoring equations, an automated table was created for each MAF which provides the following for each SECREP NSN:

(1) The end item IDS to which it is linked.

(2) The SECREP factor.

MARK IV table II-FCTR in Appendix 2 is an example of this table.

It is noted that the problem of identifying secondary reparables, in the maintenance cycle, to their corresponding end item, has been rectified by a revision to the MIMMS System User's Manual, in January 1979, which specifies procedures for linking secondary reparables to their end items, when the component is undergoing repair.

4. Phase II - ERO SUBFILE CREATION.

a. Temporary Working Files. Due to the size of the MIMMS ERO history file and the processing times required, the extraction of ERO data pertaining to the end items being studied was conducted in several sequential steps. Five temporary files were created which were subsequently concatenated for further processing.

In the extraction of relevent data from the ERO History File several steps were required:

(1) Select only those ERO's opened up an an end item being studied or opened on a SECREP which was identified in the Phase II processing and flag the subfile record as either EE (End Item ERO) or SE (SECREP ERO).

(2) For each part requisitioned under a selected ERO, it is assumed that if the Date Received field was '9999' then the part was invalid and its use is to be disregarded.

(3) For parts requisitioned under an ERO opened on a SECREP, the end item ID number is obtained from the table II-FCTR (in the case of II MAF). The total usage quantity for these parts must then be multiplied by the SECREP factor found in the same table (see Appendix 2).

SECREP FACTOR COMPUTATIONS

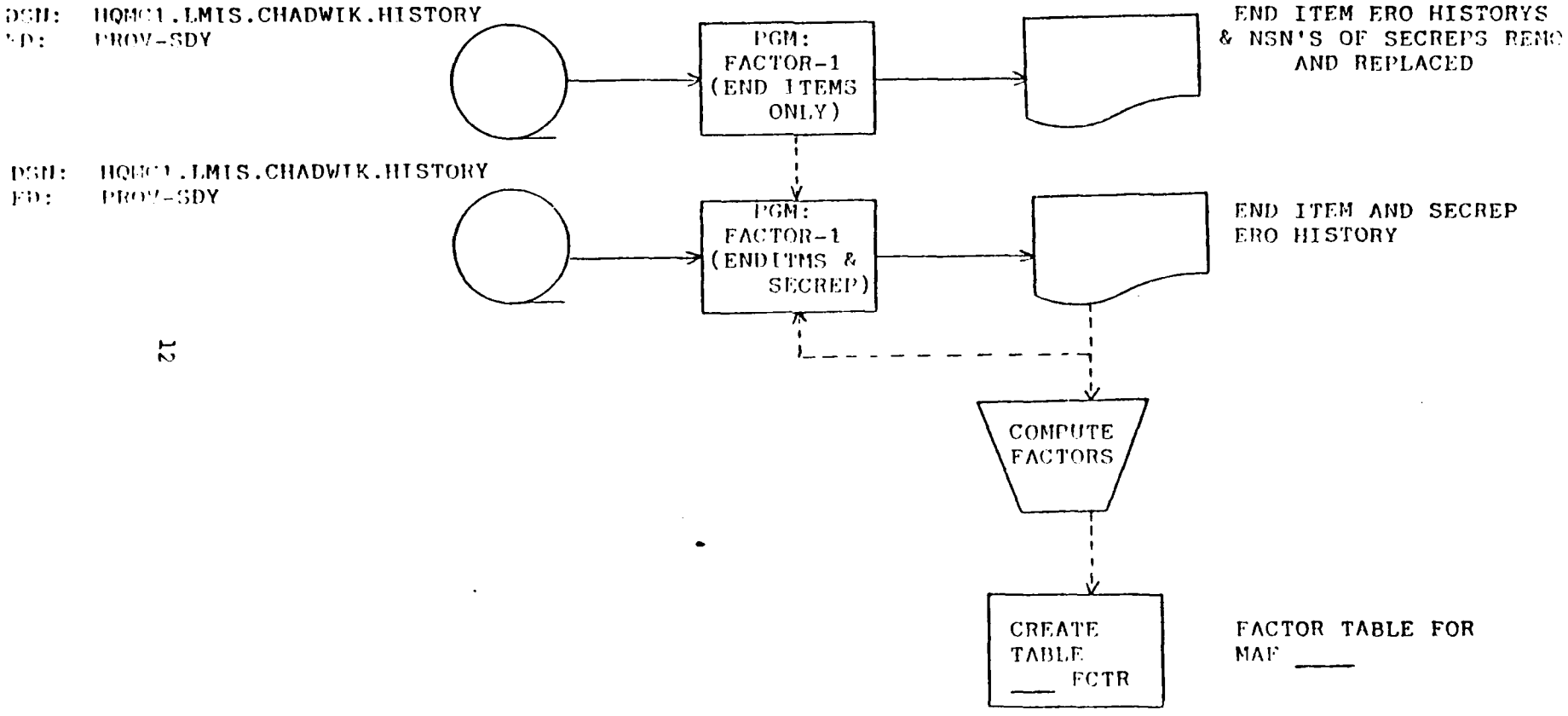


Figure 3

ERO SUBFILE CREATION

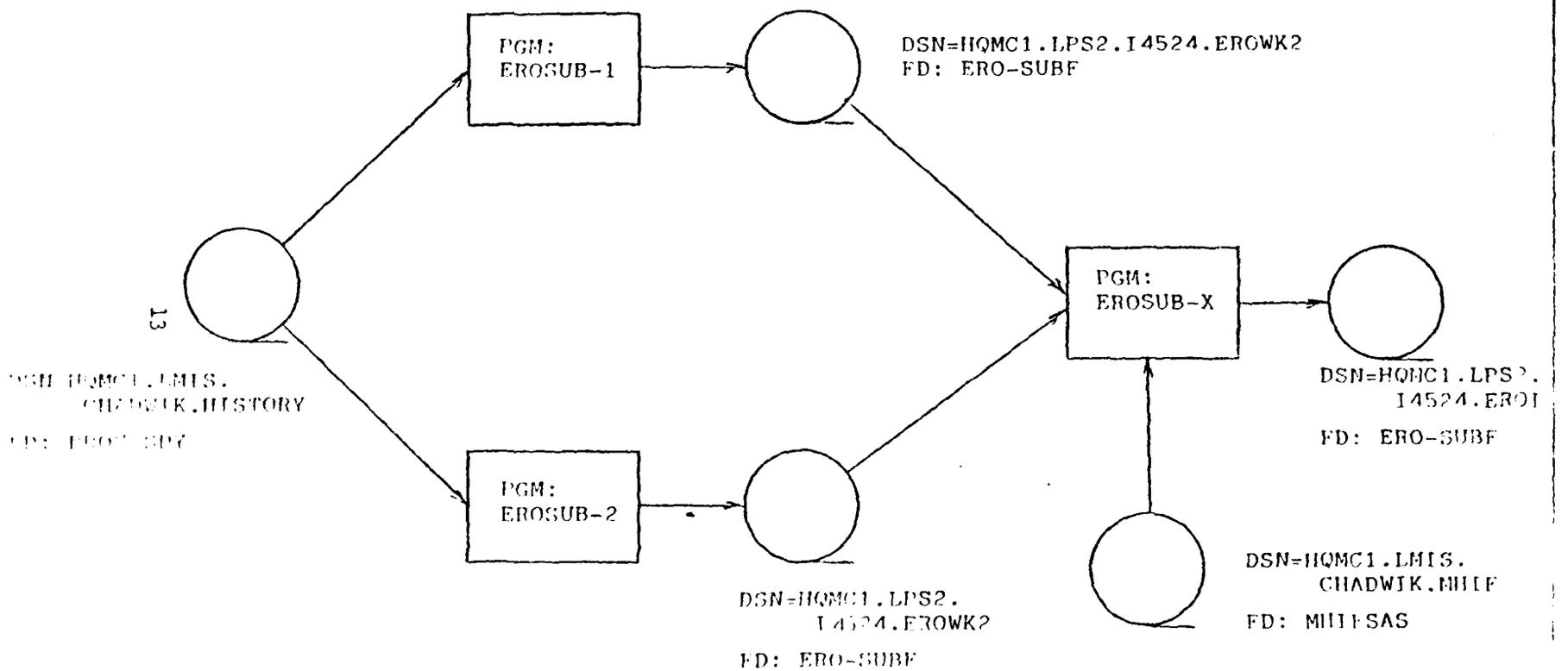


Figure 4

(4) Each position of the part NSN is scanned to determine if it is non-numeric, if so the part is flagged as a non-NSN part.

(5) The time from the ordering of each part until its receipt is to be computed as follows:

(a) The sixth through ninth positons of the Document Number field provide the Julian date on which the part was ordered.

(b) The time awaiting the part is the difference (accounting for year changes) between the date received field and this partial fielding of the document number.

The programs EROSUB-1 and EROSUB-2 listed in Appendix 3 and displayed on Figure 4 create two temporary working files: HQMC.LPS2.I4524.EROWK1 and HQMC.LPS2.I4524.EROWK2. In the actual II MAF processing five working files were created.

b. ERO Subfile Creation. Once each of the temporary work files was created, the final step was to concatenate the files and extract additional NSN related data from the Master Header Information File (MHIF). For each NSN being requisitioned it is necessary to reference it by its preferred NSN. Using the preferred NSN for part usage as well as for the original provisioning lists allows the user to compare PNSN by PNSN the associated quantities. In addition to PNSN, the unit price, nomenclature and whether the part was a consumable or not was extracted from the MHIF.

Referring to Figure 4, program EROSUB-X concatenates the temporary files, coordinates the result with the MHIF and produces the second primary working file produced for each MAF, the ERO subfile: HQMC1.LPS2.I4524.EROII. The file definition of this subfile (ERO-SUBF) is contained in Appendix 1 which lists the data elements extracted with respect to each part requisitioned. It is noted that this data set will contain a record for each lower level segment (i.e., valid part requisition) for each ERO selected using the selection criteria established.

5. PHASE IV - REPORT PREPARATION.

a. Summary. The processing encompassed by Phases I, II and III results in the generation of two major working files for each of the three MAF's. These two files are the Expanded Consolidated List (FD:EXPDCONS) and the ERO Subfile (FD:ERO-SUBF). Using these two data sets the desired MOE parameters, as listed in Table I, can be computed for each end item being addressed by the study. These MOE parameters have been separated and displayed on four "MOE Sheets". The basic format and a sample output of each of these MOE sheets as well as several other supplementary reports is contained in the following figures.

FIGURE NO.	REPORT TITLE
6	Consolidated Listing
7	Consolidated Listing (Sheet 2)

ANNEX I

FIGURE NO.	REPORT TITLE
8	MOE Sheet II
9	MOE Sheets III and IV (Rounded down)
10	MOE Sheet III (.5 Rounded down)
11	MOE Sheets III and IV (.15 Rounded down)
12	MOE Sheet I
13	ERO Subfile Listing

Figure 5 provides an overview of the several programs which use either one or both of the working files and produce the reports listed. The source listings for each of the report generation programs is contained in Appendix 3.

b. Report Processing Notes.

(1) The programs R-CONS, R-CONS2 and R-ERO provide echo listings of the data residing on the two primary working files. There is minimal computational processing involved in these programs.

(2) The following comments are provided to highlight the various assumptions and logic encompasssed in the MOE Sheet report generation program.

(a) Pgm: R-MOE1.

i. The time spent waiting for a part is retained in the DATEDIFF variable. It is computed: DATEDIFF = (DATE RECEIVED) - (DATE ORDERED). This program computes a cumulative total of this date difference as well as a cumulative count of the number of part requisitions being tallied. This summation is executed for each end item for each combination of the following categorizations:

- Consumable vs. Reparable

- NSN Part vs. Non-NSN Part

- NORS Req'n vs. Non-NORS Req'n

ii. It is assumed that a 'NORS' requisition will be indicated by an "N" or an "E" in the NORS field of the ERO.

iii. For each ERO there may be one or several part requisitions. This program computes a factor termed the Maximum Datediff. This factor can be interpreted to be the longest time spend waiting for a part, assuming all required parts were ordered at the same time. Maximum Datedifff is computed:

$$\text{MaxDatediff} = \underset{\substack{\text{All} \\ \text{Part} \\ \text{Req'n}}}{\text{MAX}} (\text{Datediff})$$

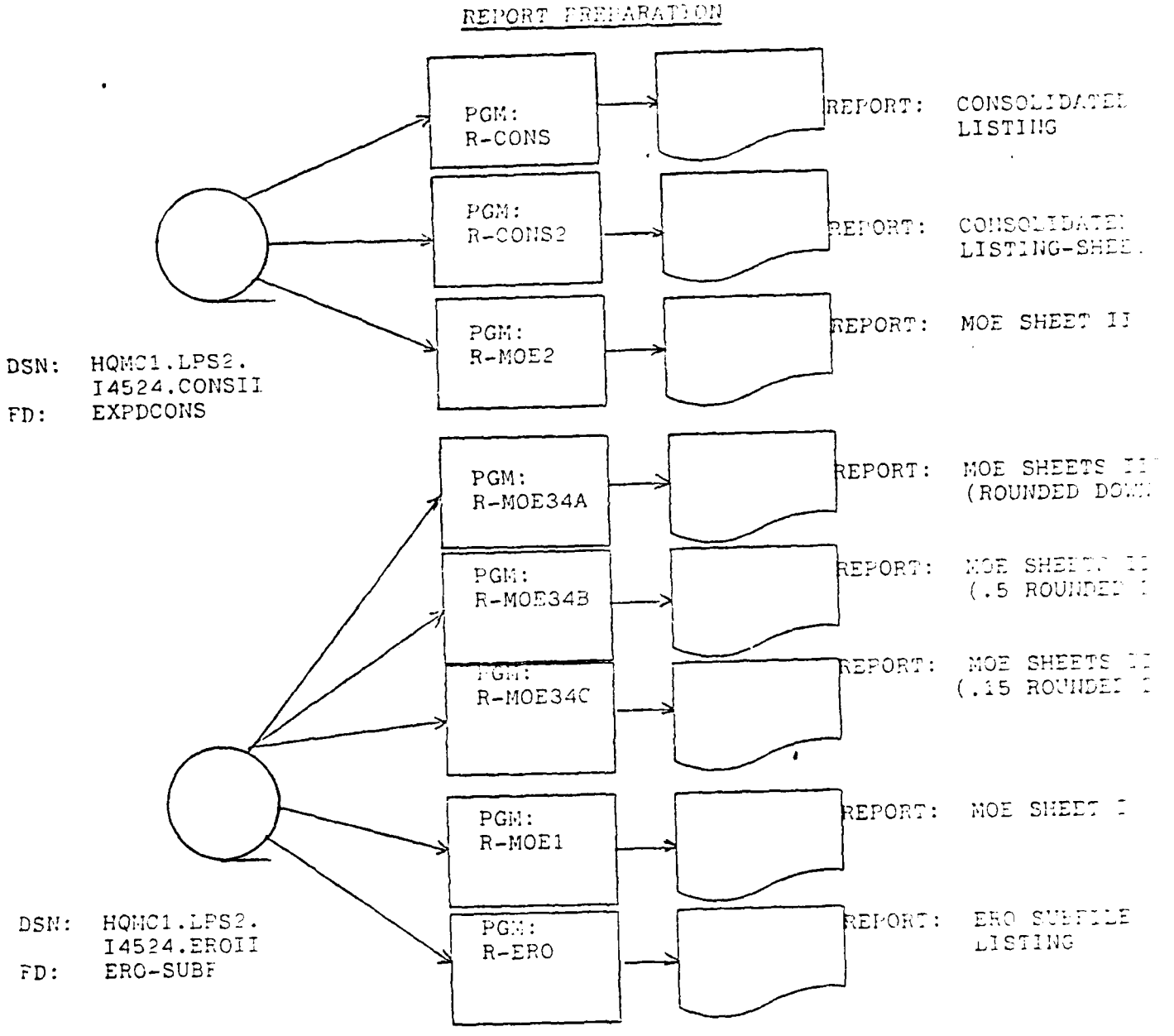

REPORT PREPARATION
PGM:
R-CONS
REPORT: CONSOLIDATED
LISTING
PGM:
R-CONS2
REPORT: CONSOLIDATED
LISTING-SHEET
PGM:
R-MOE2
REPORT: MOE SHEET II
DSN: HQMC1.LPS2.
I4524.CONSII
FD: EXPDCONS
PGM:
R-MOE34A
REPORT: MOE SHEETS II
(ROUNDED DOWN
PGM:
R-MOE34B
REPORT: MOE SHEETS II
(.5 ROUNDED
PGM:
R-MOE34C
REPORT: MOE SHEETS II
(.15 ROUNDED
PGM:
R-MOE1
REPORT: MOE SHEET I
PGM:
R-ERO
REPORT: ERO SUBFILE
LISTING
DSN: HQMC1.LPS2.
I4524.EROII
FD: ERO-SUBF

Figure 5

This factor is also computed over the same set of qualifier combinations (NORS, NSN, CONS/REP) as the total waiting time.

(b) Pgm: R-MOE2.

i. For each category in which it is computed, cost is interpreted to be the total cost of the entire depth of parts. This is computed:

$$\text{Total Cost} = \sum_{\substack{\text{All} \\ \text{NSN's} \\ \text{In} \\ \text{Category}}} \text{NSN Qty} * \text{Unit Price}$$

ii. It was assumed that an NSN is "critical" if that NSN had a positive mount out quantity in the initial issue provisioning package. It was the decision of the study team to use this criteria vice the combat essentially code extracted from the MHIF.

iii. Throughout the processing in this program the following convertion applies: "RO" in the case of a consumable part connotes that the part has a positive requisition objective. In the case of a reparable part, "RO" connotes that the part had a positive Total Allowance quantity.

(c) Pgm: MOE34A, B, C,.

i. In order to provide a valid comparison of actual part usage as extracted from the ERO file to the initially provisioned GOL quantities, it was necessary to convert both to a common time scale. Since the IIP was originally computed (in the case of II MAF) for a 60 day period, it is necessary to compute a 60 day usage profile from the ERO history. The ERO file retains 485 days maintenance history, therefore a simple division provides the conversion. It is noted that in the case of reparables, the IIP is based on a 30 day period, therefore a different factor is applied.

ii. Due to the scaling conducted to convert to a 60 day period, the part usage quantity associated with each NSN is a fraction. It was decided that in comparing usage to GOL IIP various rounding conventions should be applied to the fractional ERO usage quantities prior to the comparision. The following rounding conventions were applied:

1. Any fraction is rounded down to the next lowest integer (MOE34A).

2. Any fraction less than 0.5 is rounded down to the next lowest integer, any fraction greater than or equal to 0.5 is rounded up (MOE34B).

3. Any fraction less than 0.15 is rounded down (MOE34C). A number greater than or equal to 0.15 equates approximately to the use of at least

two of the NSN's during the 485 days covered by the ERO's.

The use of each of these rounding conventions greatly affects the cross comparisons drawn between ERO usage and the IIP (GOL) quantities. These differences have been noted in the MOE discussions contained within this study.

iii. The following category definitions apply:
An NSN falls into the category:

Shortage if: (Rounded ERO Usage) > IIP(GOL) Quantity

if: IIP(GOL) = 0 then shortage in range

if: IIP(GOL) > 0 then shortage in depth

or Overage if: (Rounded ERO usage) < IIP(GOL) Quantity

if: (ERO Usage Prior to Rounding) = 0 then Zero Demands

or Even if: (Rounded ERO Usage) = (IIP(GOL) Quantity) and both are greater than 0

or Zero if: (Rounded ERO Usage) = (IIP(GOL) Quantity) = 0

A distinction has been made betweeen the Even classification and the Zero classification to better tailor the resulting factors to the MOE's desired. The Zero class occurs when nothing has been provisioned for an NSN, and the actual usage after rounding is zero also.

HEADQUARTERS, UNITED STATES MARINE CORPS
PROVISIONING POLICY REVIEW STUDY

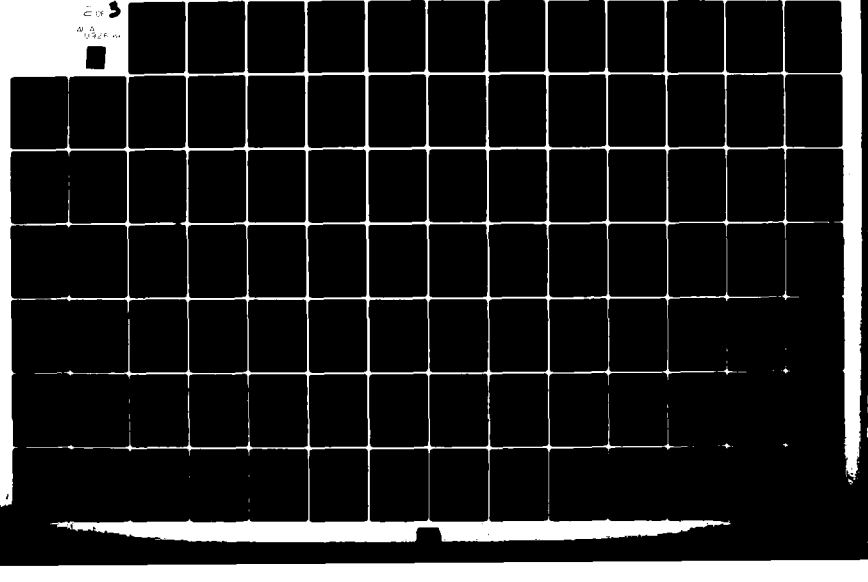
CONSOLIDATED LISTING: II MAF

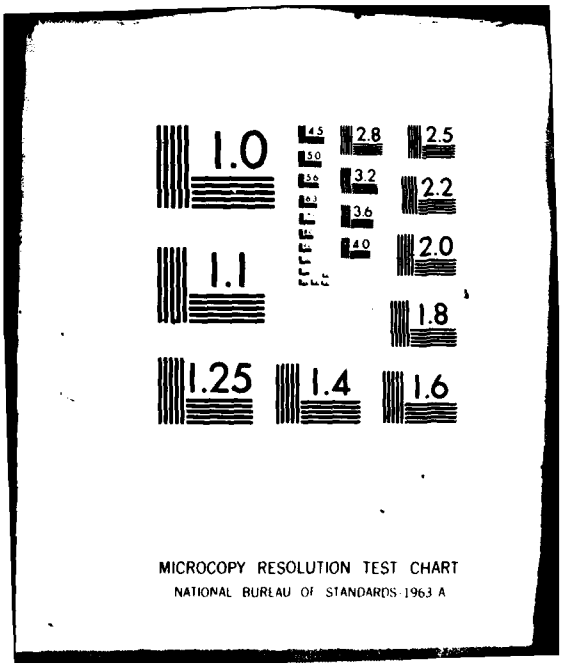
THIS REPORT PROVIDES A LISTING OF THE GOL
AND M/J QUANTITIES (SUMMED OVER ALL PROJ)
FOR EACH ID NUMBER BEING STUDIED.

Figure 6 (1 of 1)

AD-A092 698 MARINE CORPS WASHINGTON DC F/G 15/5
MARINE CORPS PROVISIONING POLICY REVIEW STAFF STUDY REPORT.(U)
OCT 80

UNCLASSIFIED NL




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
6.3
7.1
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963 A

ID NO: 026268 . IMPROVED HAWK (CONS & REPS) IN SERVICE DATE: 17 APR 78

ORIG. PROVISIONED NSN	CURRENT PREFERRED NSN	NOMENCLATURE	(C) CONS (R) RPRL	CRITICALITY CODE	UNIT PRICE (ORIG. NSN)	GOL QTY	M/O QTY
5905-00-0079154	5905-00-4547031	RESISTOR,FIXED,WIRE	C		2.47	2	
5905-00-0181040	5905-00-5630109	RESISTOR,FIXED,WIRE	C		4.34	2	
5905-00-0594827	5905 00-0594827	RESISTOR,VARIABLE,W	C	5	3.25	2	
5905-00-0601977	5905-01-0329752	RESISTOR,FIXED,FILM	C		.49	2	
5905-00-0642533	5905-00-0642533	RESISTOR,FIXED,FILM	C	6	.32	2	
5905-00-0674730	5905 00-0674730	RESISTOR,FIXED,WIRE	C		2.35	2	
5905-00-0688265	5905-00-0688265	RESISTOR,VARIABLE,W	C	2	2.05	2	
5905-00-0793072	5905-01-0354526	RESISTOR,FIXED,FILM	C		1.50	2	
5905-00-0806313	5905-00-0806313	RESISTOR,FIXED,FILM	C	2	.66	2	
5905-00-0963239	5905-00-0963239	RESISTOR,FIXED,WIRE	C		1.03	2	
5905-00-1145407	5905-00-1145407	RESISTOR,FIXED,COMP	C	5	.04	2	
5905-00-1354322	5905-00-1354322	RESISTOR,VARIABLE,N	C	2	3.84	2	
5905-00-1354323	5905-00-1354323	RESISTOR,VARIABLE,N	C	2	3.73	4	
5905-00-1354324	5905-00-1354324	RESISTOR,VARIABLE,N	C	2	5.26	2	
5905-00-1354329	5905-00-1354329	RESISTOR,VARIABLE,N	C	2	6.13	2	
5905-00-1383376	5905-00-1383376	RESISTOR,FIXED,FILM	C		.18	2	
5905-00-1392190	5905-00-1392190	RESISTOR,FIXED,WIRE	C	5	.69	2	
5905-00-1528847	5905 00-1528847	RESISTOR,FIXED,FILM	C	5	.59	2	
5905-00-1755800	5905-00-1755800	RESISTOR,FIXED,WIRE	C	2	3.71	2	
5905-00-1862376	5905 01-0327759	RESISTOR,FIXED,WIRE	C		2.02	2	
5905-00-1862384	5905-01-0199378	RESISTOR,FIXED,WIRE	C		.99	2	
5905-00-1891887	5905-00-1891887	RESISTOR,FIXED,FILM	C		.69	2	
5905-00-1893074	5905-00-1893074	RESISTOR,FIXED,WIRE	C	2	.76	2	
5905-00-1893083	5905-00-1893083	RESISTOR,FIXED,FILM	C	6	.33	2	
5905-00-2047497	5905-00 2047497	RESISTOR,VARIABLE,W	C	5	11.61	5	
5905-00-2315236	5905-00-2315236	RESISTOR,FIXED,FILM	C	5	1.38	2	
5905-00-2325175	5905-00-2325175	RESISTOR,FIXED,FILM	C	2	.49	2	
5905-00-2336683	5905-00-2336683	RESISTOR,VARIABLE,N	C	2	5.63	6	
5905-00-2368081	5905-00 2368081	RESISTOR,FIXED,WIRE	C	2	1.33	2	
5905-00-2368083	5905-00-2368083	RESISTOR,FIXED,WIRE	C	6	3.26	2	
5905-00-2405550	5905-00-2405550	RESISTOR,FIXED,FILM	C	2	4.51	2	
5905-00-2422038	5905-00-2422038	RESISTOR,FIXED,WIRE	C	2	2.40	2	
5905-00-2422443	5905-00-2422443	RESISTOR,FIXED,FILM	C	5	4.34	2	
5905-00-2438471	5905-00-2438471	RESISTOR,FIXED,WIRE	C	6	2.15	2	
5905-00-2438626	5905-00-2438626	RESISTOR,VARIABLE,N	C	5	7.35	2	
5905-00-2501580	5905-00-2501580	RESISTOR,FIXED,FILM	C		2.70	2	
5905-00-2501587	5905-00-2501587	RESISTOR,FIXED,FILM	C	2	.54	2	
5905-00-2542416	5905-00-2542416	RESISTOR,FIXED,FILM	C	2	.94	2	
5905-00-2564575	5905-00-2564575	RESISTOR,VARIABLE,W	C	5	11.81	2	
5905-00-2569177	5905-00-2569177	RESISTOR,FIXED,WIRE	C	5	1.20	2	
5905-00-2796498	5905 00-2796498	RESISTOR,FIXED,FILM	C	6	.49	2	
5905-00-2888348	5905-00-2888348	RESISTOR,FIXED,WIRE	C		2.51	2	

Figure 5 (2 of 2)

ANNEX I

HEADQUARTERS. UNITED STATES MARINE CORPS
PROVISIONING POLICY REVIEW STUDY

CONSOLIDATED LISTING: II MAF
SHEET 2

THIS REPORT PROVIDES A LISTING OF THE GOL AND M/O QUANTITIES (SUMMED OVER ALL PROJ) FOR EACH ID NUMBER BEING STUDIED.

Figure 7 (1 of 2)

ID NO: 026268 . IMPROVED HAWK (CONS & REPS) IN SERVICE DATE: 17 APR 78

(C) CONS (R) RPRL	(G) GABF (M) MFBF	ORIG. PROVISIONED NSN	CURRENT PREFERRED NSN	NOMENCLATURE	ORDER SHIP TIME (GABF/MFBF)	REQ OBJ / FLOAT ALLOW.
C	G	5905-00-0079154	5905-00-4547031	RESISTOR,FIXED,WIRE	26	1
C	G	5905-00-0101040	5905-00-5630109	RESISTOR,FIXED,WIRE	132	1
C	G	5905-00-0594827	5905-00-0594827	RESISTOR,VARIABLE,W	26	
C	G	5905-00-0601977	5905-01-0329752	RESISTOR,FIXED,FILM	30	1
C	G	5905-00-0642533	5905-00-0642533	RESISTOR,FIXED,FILM	35	
C	G	5905-00-0674730	5905-00-0674730	RESISTOR,FIXED,WIRE	26	1
C	G	5905-00-0688265	5905-00-0688265	RESISTOR,VARIABLE,W	26	1
C	G	5905-00-0793972	5905-01-0334526	RESISTOR,FIXED,FILM	33	1
C	G	5905-00-0805313	5905-00-0805313	RESISTOR,FIXED,FILM	26	
C	G	5905-00-0963239	5905-00-0963239	RESISTOR,FIXED,WIRE	23	4
C	G	5905-00-1145407	5905-00-1145407	RESISTOR,FIXED,COMP	102	
C	G	5905-00-1354322	5905-00-1354322	RESISTOR,VARIABLE,N	26	1
C	G	5905-00-1354323	5905-00-1354323	RESISTOR,VARIABLE,N	35	
C	G	5905-00-1354324	5905-00-1354324	RESISTOR,VARIABLE,N	428	
C	G	5905-00-1354329	5905-00-1354329	RESISTOR,VARIABLE,N	26	1
C	G	5905-00-1383376	5905-00-1383376	RESISTOR,FIXED,FILM	156	4
C	G	5905-00-1392190	5905-00-1392190	RESISTOR,FIXED,WIRE	26	
C	G	5905-00-1528647	5905-00-1528647	RESISTOR,FIXED,FILM	243	
C	G	5905-00-1755800	5905-00-1755800	RESISTOR,FIXED,WIRE	26	
C	G	5905-00-1862376	5905-01-0327759	RESISTOR,FIXED,WIRE	26	1
C	G	5905-00-1862384	5905-01-0199378	RESISTOR,FIXED,WIRE	67	1
C	G	5905-00-1891887	5905-00-1891887	RESISTOR,FIXED,FILM	26	1
C	G	5905-00-1893074	5905-00-1893074	RESISTOR,FIXED,WIRE	33	1
C	G	5905-00-1893083	5905-00-1893083	RESISTOR,FIXED,FILM	33	
C	G	5905-00-2047497	5905-00-2047497	RESISTOR,VARIABLE,W	26	
C	G	5905-00-2315236	5905-00-2315236	RESISTOR,FIXED,FILM	26	
C	G	5905-00-2325175	5905-00-2325175	RESISTOR,FIXED,FILM	36	
C	G	5905-00-2336683	5905-00-2336683	RESISTOR,VARIABLE,N	428	
C	G	5905-00-2368081	5905-00-2368081	RESISTOR,FIXED,WIRE	35	1
C	G	5905-00-2368083	5905-00-2368083	RESISTOR,FIXED,WIRE	33	
C	G	5905-00-2405550	5905-00-2405550	RESISTOR,FIXED,FILM	33	
C	G	5905-00-2422038	5905-00-2422038	RESISTOR,FIXED,WIRE	26	
C	G	5905-00-2422443	5905-00-2422443	RESISTOR,FIXED,FILM	47	1
C	G	5905-00-2432471	5905-00-2432471	RESISTOR,FIXED,WIRE	35	
C	G	5905-00-2438626	5905-00-2438626	RESISTOR,VARIABLE,N	26	
C	G	5905-00-2501580	5905-00-2501580	RESISTOR,FIXED,FILM	26	
C	G	5905-00-2501587	5905-00-2501587	RESISTOR,FIXED,FILM	26	
C	G	5905-00-2542416	5905-00-2542416	RESISTOR,FIXED,FILM	26	1
C	G	5905-00-2564575	5905-00-2564575	RESISTOR,VARIABLE,W	35	
C	G	5905-00-2569177	5905-00-2569177	RESISTOR,FIXED,WIRE	35	
C	G	5905-00-2796498	5905-00-2796498	RESISTOR,FIXED,FILM	33	
C	G	5905-00-2808348	5905-00-2808348	RESISTOR,FIXED,WIRE	26	

Figure 7 (2 of 2)

ANNEX I

HEADQUARTERS, UNITED STATES MARINE CORPS
PROVISIONING POLICY REVIEW STUDY

MOE SHEET II (II MAF)

THIS REPORT PROVIDES SELECTED COSTING, RO
AND OST FACTORS BROKEN DOWN FOR EACH ID
BY: GOL / MO / CONSUMABLE / REPAIRABLE.

Figure 8 (1 of 2)

HQMC PROVISIONING REVIEW STUDY
MOE COMPUTATION SHEET (II MAF)

APR 23, 1980

ID NO: 065358 . COMMUNICATIONS CENTRAL AN/TGC-36V

IN SERVICE DATE: NONE

CONSUMABLES:	COST OF GOL:	1006.37	COST OF GOL (CRITICAL):	1006.37
	COST OF M/O:	1522.30	COST OF IIP (GOL + M/O) WHICH IS NOT RO:	693.13
	TOTAL COST:	2528.67		
	RANGE (GOL):	65	% OF THE IIP WHICH IS RO:	48.59%
	RANGE (M/O):	142	% OF GOL WHICH IS RO:	80.00%
	RANGE (IIP):	142		
REPAIRABLES:	COST OF GOL:	654.50	COST OF GOL (CRITICAL):	654.50
	COST OF M/O:	1079.21	COST OF IIP (GOL + M/O) WHICH IS NOT RO:	.00
	TOTAL COST:	1733.71		
	RANGE (GOL):	2	% OF THE IIP WHICH IS RO:	100.00%
	RANGE (M/O):	2	% OF GOL WHICH IS RO:	100.00%
	RANGE (IIP):	2		

Figure 6 (2 of 2)

ANNEX I

HEADQUARTERS, UNITED STATES MARINE CORPS
PROVISIONING POLICY REVIEW STUDY

MOE SHEETS III + IV: (GOL)
ERO USAGE ROUNDED DOWN (11 MAF)

ADJUSTED TWO MONTH ERO USAGE IS ROUNDED USING THE STATED CONVENTION AND COMPARED TO THE CONSOLIDATED LIST. FOR EACH ID NUMBER, QUANTITY DIFFERENCES ARE BROKEN DOWN BY CONSUMABLE AND REPAIRABLE CLASSES INTO THE FOLLOWING CATEGORIES:

1) EVEN: BOTH THE ROUNDED ERO USAGE AND THE CONSLIST GOL QTY ARE THE SAME AND GREATER THAN ZERO.

2) OVERAGE: THE ROUNDED ERO USAGE IS LESS THAN THE CONSLIST GOL QUANTITY.

3) SHORTAGE: THE ROUNDED ERO USAGE IS GREATER THAN THE CONSLIST GOL QUANTITY.

4) ZEROS: THE ROUNDED ERO USAGE AND THE GOL QTY ARE BOTH ZERO.

Figure 9 (1 of 9)

HOMC PROVISIONING REVIEW STUDY
MOE COMPUTATION SHEET III
END ITEM SUMMARIES (II MAF)

APR 15, 1980

ID NO: 065358 COMMUNICATIONS CENTRAL AN/TGC-36V IN SERVICE DATE: NONE

CONSUMABLES

SHORTAGES:	(1)	NUMBER OF NSNS WHICH HAD A ROUNDED 2 MO. ERO USAGE GREATER THAN ZERO, BUT WHICH HAD NO GOL PROVISIONED: (LABEL: RANGE - 'RNG')	.00
	(2)	NUMBER OF NSNS WHICH HAD GOL PROVISIONED, BUT HAD A ROUNDED 2 MO. ERO USAGE IN EXCESS OF THE GOL PROV. QTY: (LABEL: DEPTH - 'DEP')	.00
	(3)	TOTAL DOLLAR VALUE OF THE DIFFERENCE BETWEEN THE 2 MO. ERO USAGE AND THE GOL PROV. QTY (WHEN USAGE IS GREATER):	.00
OVERAGES:	(4)	NUMBER OF NSNS WHICH HAD A POSITIVE GOL PROV. QTY. BUT HAD ZERO DEMANDS IN THE ERO FILE: (LABEL: NO DEMAND - 'NO DMD')	61.00
	(5)	NUMBER OF NSNS IN WHICH THE GOL PROV. QTY IS GREATER THAN THE 2 MO. ROUNDED ERO USAGE: (LABEL: DEPTH -'DEP')	64.00
	(6)	TOTAL DOLLAR VALUE OF THE DIFFERENCE BETWEEN THE GOL PROV. QTY AND THE 2 MO. ROUNDED ERO USAGE (WHEN USAGE IS LESS):	1005.93
EVEN:	(7)	NUMBER OF NSNS IN WHICH THE GOL PROV QTY AND THE 2 MO. ROUNDED ERO ARE THE SAME (NOT EQUAL TO ZERO):	1.00
CONSLIST:	(8)	NUMBER OF NSNS FOR WHICH GOL WAS PROVISIONED:	65.00
	(9)	TOTAL NUMBER OF NSNS PROVISIONED (IIP):	142.00

NOTE 1: 2 MO. ROUNDED ERO USAGE IS THE COMPUTED PART USAGE ROUNDED DOWN.

NOTE 2: LINE (2) + (5) + (7) = LINE (8)

Figure 9 (2 of 6)

ANNEX J

HQMC PROVISIONING REVIEW STUDY
MOE COMPUTATION SHEET III
END ITEM SUMMARIES (II MAF)

APR 15, 1980

ID NO: 065358 . COMMUNICATIONS CENTRAL AN/TGC-36V IN SERVICE DATE: NONE

REPAIRABLES

SHORTAGES:	(1)	NUMBER OF NSNS WHICH HAD A ROUNDED 2 MO. ERO USAGE GREATER THAN ZERO. BUT WHICH HAD NO GOL PROVISIONED: (LABEL: RANGE - 'RNG')	.00
	(2)	NUMBER OF NSNS WHICH HAD GOL PROVISIONED, BUT HAD A ROUNDED 2 MO. ERO USAGE IN EXCESS OF THE GOL PROV. QTY: (LABEL: DEPTH - 'DEP')	.00
	(3)	TOTAL DOLLAR VALUE OF THE DIFFERENCE BETWEEN THE 2 MO. ERO USAGE AND THE GOL PROV. QTY (WHEN USAGE IS GREATER):	.00
OVERAGES:	(4)	NUMBER OF NSNS WHICH HAD A POSITIVE GOL PROV. QTY. BUT HAD ZERO DEMANDS IN THE ERO FILE: (LABEL: NO DEMAND - 'NO DMD')	2.00
	(5)	NUMBER OF NSNS IN WHICH THE GOL PROV. QTY IS GREATER THAN THE 2 MO. ROUNDED ERO USAGE: (LABEL: DEPTH -'DEP')	2.00
	(6)	TOTAL DOLLAR VALUE OF THE DIFFERENCE BETWEEN THE GOL PROV. QTY AND THE 2 MO. ROUNDED ERO USAGE (WHEN USAGE IS LESS):	654.50
EVEN:	(7)	NUMBER OF NSNS IN WHICH THE GOL PROV QTY AND THE 2 MO. ROUNDED ERO ARE THE SAME (NOT EQUAL TO ZERO):	.00
CONSLIST:	(8)	NUMBER OF NSNS FOR WHICH GOL WAS PROVISIONED:	2.00
	(9)	TOTAL NUMBER OF NSNS PROVISIONED (IIP):	2.00

NOTE 1: 2 MO. ROUNDED ERO USAGE IS THE COMPUTED PART USAGE ROUNDED DOWN.

NOTE 2: LINE (2) + (5) + (7) = LINE (8)

Figure 9 (3 of 6)

ANNEX I

HQMC PROVISIONING REVIEW STUDY
MOE COMPUTATION SHEET IV
END ITEM DETAILED DATA (II MAF)

APR 15, 1980

ID NO: 065358 . COMMUNICATIONS CENTRAL AN/TGC-36V

IN SERVICE DATE: NONE

CONSUMABLES WHICH WERE PROVISIONED (GOL) EVEN

** ERO USAGE IS ROUNDED DOWN **

PREFERRED NSN	NSN NOMEN	.....E R O..... FACTORED	RND	IIP GOL	UNIT PRICE	....S H O R T A G E S... RNG DEP QTY NSN COST	.....O V E R A G E S..... NO-DMD DEP QTY NSN COST
5320-00-9683238	FUSEHOLDER.BLOCK	1.22	1.0	1.0	.44	.00	.00

Figure 9 (4 of 6)

ANNEX I

HQMC PROVISIONING REVIEW STUDY
MOE COMPUTATION SHEET IV
END ITEM DETAILED DATA (II MAF)

APR 15, 1980 PAGE: 7

ID NO: C65358 . COMMUNICATIONS CENTRAL AN/TGC-36V IN SERVICE DATE: NONE

CONSUMABLES WHICH WERE PROVISIONED (GOL) OVER ** ERO USAGE IS ROUNDED DOWN **

PREFERRED NSN	NSN NOMEN	ERO FACTORED	ERO RND	IIP GOL	UNIT PRICE	SHORTAGES RNG	SHORTAGES DEP	SHORTAGES QTY	SHORTAGES NSN COST	OVERAGES NO-DMD	OVERAGES DEP	OVERAGES QTY	OVERAGES NSN COST
5340-00-7298284	PIN,QUICK RELEASE	.00	.0	1.0	1.85				.00	1	1	1	1.85
5355-00-5791210	KNOB	.00	.0	1.0	.84				.00	1	1	1	.84
5905-00-1100993	RESISTOR,FIXED,COMP	.00	.0	3.0	.03				.00	1	1	3	.09
5905-00-1114738	RESISTOR,FIXED,COMP	.00	.0	1.0	.04				.00	1	1	1	.04
5905-00-1410595	RESISTOR,FIXED,COMP	.00	.0	1.0	.04				.00	1	1	1	.04
5905-00-1410596	RESISTOR,FIXED,COMP	.00	.0	1.0	.04				.00	1	1	1	.04
5905-00-1410600	RESISTOR,FIXED,COMP	.00	.0	1.0	.03				.00	1	1	1	.03
5905-00-1411168	RESISTOR,FIXED,COMP	.00	.0	1.0	.03				.00	1	1	1	.03
5905-00-5046897	RESISTOR,FIXED,COMP	.00	.0	1.0	.16				.00	1	1	1	.16
5905-00-6421950	RESISTOR,FIXED,WIRE	.00	.0	6.0	.21				.00	1	1	6	1.26
5905-00-6609105	RESISTOR,FIXED,WIRE	.00	.0	6.0	.28				.00	1	1	6	1.68
5905-00-8530797	RESISTOR,VARIABLE,W	.24	.0	4.0	2.78				.00		1	4	11.12
5910-00-2542780	CAPACITOR,FIXED,MET	.00	.0	1.0	1.11				.00	1	1	1	1.11
5915-00-7081022	FILTER,RADIO FREQUE	.00	.0	1.0	45.35				.00	1	1	1	45.35
5915-00-9444384	FILTER,RADIO FREQUE	.00	.0	1.0	17.07				.00	1	1	1	17.07
5915-00-9414385	FILTER,RADIO FREQUE	.00	.0	1.0	9.29				.00	1	1	1	9.29
5920-00-0232926	FUSE,INDICATOR ALAR	.00	.0	69.0	.44				.00	1	1	69	30.36
5920-00-0432641	FUSE,CARTRIDGE	.00	.0	21.0	.11				.00	1	1	21	2.31
5920-00-2804465	FUSE,CARTRIDGE	.00	.0	5.0	.09				.00	1	1	5	.45
5920-00-2805030	FUSE,CARTRIDGE	.00	.0	2.0	.26				.00	1	1	2	.52
5920-00-5403126	FUSE,CARTRIDGE	.00	.0	5.0	.10				.00	1	1	5	.50
5920-00-5572647	FUSE,CARTRIDGE	.00	.0	104.0	.11				.00	1	1	104	11.44
5920-00-9520020	FUSEHOLDER,EXTRACTO	.00	.0	1.0	4.06				.00	1	1	1	4.06
5925-00-5837941	CIRCUIT BREAKER	.00	.0	1.0	2.28				.00	1	1	1	2.28
5930-00-6262381	GA	.00	.0	1.0	36.27				.00	1	1	1	36.27
5930-00-1263540	SWITCH,LEVER	.00	.0	1.0	2.43				.00	1	1	1	2.43
5930-00-6551514	SWITCH,TOGGLE	.00	.0	1.0	1.20				.00	1	1	1	1.20
5935-00-1524805	JACK,TELEPHONE	.00	.0	10.0	1.01				.00	1	1	10	10.10
5935-00-2400713	GA	.00	.0	1.0	.40				.00	1	1	1	.40
5935-00-2577314	CONNECTOR,RECEPTACL	.00	.0	1.0	1.63				.00	1	1	1	1.63
5935-00-3215113	SOCKET,PLUG-IN ELEC	.00	.0	1.0	.94				.00	1	1	1	.94
5935-00-4058030	CONNECTOR,RECEPTACL	.00	.0	1.0	2.51				.00	1	1	1	2.51
5935-00-6217218	CONNECTOR,PLUG,ELEC	.00	.0	1.0	1.87				.00	1	1	1	1.87
5935-00-8151541	CONNECTOR,PLUG,ELEC	.00	.0	1.0	5.04				.00	1	1	1	5.04
5935-00-8183477	CONNECTOR,RECEPTACL	.00	.0	1.0	14.07				.00	1	1	1	14.07
5935-00-8186807	CONNECTOR,PLUG,ELEC	.00	.0	1.0	3.29				.00	1	1	1	3.29
5935-00-8274019	CONNECTOR,PLUG,ELEC	.00	.0	1.0	.00				.00	1	1	1	.00
5935-00-9473278	CONNECTOR,PLUG,ELEC	.00	.0	1.0	1.54				.00	1	1	1	1.54
5935-00-9736570	CONNECTOR,RECEPTACL	.00	.0	1.0	1.24				.00	1	1	1	1.24
5935-00-9920302	CONNECTOR,PLUG,ELEC	.00	.0	1.0	3.47				.00	1	1	1	3.47
5935-00-9920303	CONNECTOR,PLUG,ELEC	.00	.0	1.0	5.00				.00	1	1	1	5.00
5935-00-9920304	CONNECTOR,PLUG,ELEC	.00	.0	1.0	4.89				.00	1	1	1	4.89

Figure 9 (5 of 6)

ANNEX I

HQMC PROVISIONING REVIEW STUDY
MOE COMPUTATION SHEET IV
END ITEM DETAILED DATA (II MAF)

APR 15, 1980 PAGE: 9

ID NO: 065358 . COMMUNICATIONS CENTRAL AN/TGC-36V IN SERVICE DATE: NONE

CONSUMABLES WHICH WERE PROVISIONED (GOL) ZEROS ** ERO USAGE IS ROUNDED DOWN **

PREFERRED NSN	NSN NOMEN	ERO FACTORED	ERO RND	IIP GOL	UNIT PRICE	SHORTAGES RNG	SHORTAGES DEP	SHORTAGES QTY	SHORTAGES NSN COST	OVERAGES NO-DMD	OVERAGES DEP	OVERAGES QTY	OVERAGES NSN COST
4120-00-3237780	CABLE ASSEMBLY,SPEC	.12	.0	.0	502.72				.00				.00
4210-00-2704512	FI,TER,FLUID,PRESSU	.12	.0	.0	2.82				.00				.00
5330-00-2923125	GASKET	.00	.0	.0	.00				.00				.00
5330-00-7414337	GASKET	.00	.0	.0	.00				.00				.00
5330-00-6824697	GASKET	.00	.0	.0	.12				.00				.00
5340-00-6106218	STRAP,WEBBING	.00	.0	.0	.00				.00				.00
5355-00-5796390	KNOB	.00	.0	.0	.77				.00				.00
5610-00-3153325	PLATE,RETAINER	.12	.0	.0	.10				.00				.00
5905-00-2053913	ATTENUATOR,VARIABLE	.00	.0	.0	4.41				.00				.00
5905-00-3696920	RESISTOR,FIXED,COMP	.00	.0	.0	.07				.00				.00
5905-00-[illegible]59563	RESISTOR,FIXED,WIRE	.00	.0	.0	.00				.00				.00
5905-01-0063286	ATTENUATOR	.00	.0	.0	.00				.00				.00
5915-00-1320650	FILTER,RADIO FREQUE	.00	.0	.0	.00				.00				.00
5915-00-7542856	FILTER,RADIO FREQUE	.00	.0	.0	.00				.00				.00
5915-00-8141317	FILTER,RADIO FREQUE	.00	.0	.0	32.91				.00				.00
5915-01-0108397	FILTER,RADIO FREQUE	.00	.0	.0	.00				.00				.00
5925-00-7539266	CIRCUIT BREAKER	.00	.0	.0	.00				.00				.00
5925-00-9506550	CIRCUIT BREAKER	.00	.0	.0	.00				.00				.00
5930-00-1089218	SWITCH,PRESSURE	.73	.0	.0	1.83				.00				.00
5930-00-4716112	SWITCH,ROTARY	.00	.0	.0	.00				.00				.00
5930-00-5046273	SWITCH,PUSH	.00	.0	.0	3.04				.00				.00
5930-00-6551575	SWITCH,TOGGLE	.00	.0	.0	1.72				.00				.00
5930-00-7089705	SWITCH,PRESSURE	.73	.0	.0	3.29				.00				.00
5930-00-7208204	SWITCH,SENSITIVE	.00	.0	.0	.00				.00				.00
5930-00-7633193	SWITCH,LEVER	.00	.0	.0	.00				.00				.00
5935-00-0893882	PLUG,TELEPHONE	.00	.0	.0	.00				.00				.00
5935-00-1459469	CONNECTOR,PLUG,ELEC	.00	.0	.0	.00				.00				.00
5935-00-1459470	CONNECTOR,PLUG,ELEC	.12	.0	.0	50.65				.00				.00
5935-00-1459471	CONNECTOR,PLUG,ELEC	.12	.0	.0	27.96				.00				.00
5935-00-1468282	CONNECTOR,PLUG,ELEC	.12	.0	.0	69.49				.00				.00
5935-00-1613096	COVER,ELECTRICAL CO	.00	.0	.0	.00				.00				.00
5935-00-1728045	COVER,ELECTRICAL CO	.00	.0	.0	3.47				.00				.00
5935-00-1772035	CONNECTOR,PLUG,ELEC	.00	.0	.0	12.34				.00				.00
5935-00-1893932	CONNECTOR,PLUG,ELEC	.00	.0	.0	3.65				.00				.00
5935-00-2020958	CONNECTOR,PLUG,ELEC	.00	.0	.0	.00				.00				.00
5935-00-2227831	CONNECTOR,PLUG,ELEC	.36	.0	.0	1.97				.00				.00
5935-00-2313180	CONNECTOR,PLUG,ELEC	.00	.0	.0	4.50				.00				.00
5935-00-2422590	CONNECTOR,RECEPTACL	.00	.0	.0	.00				.00				.00
5935-00-2427208	COVER,ELECTRICAL CO	.00	.0	.0	2.56				.00				.00
5935-00-2434265	CONNECTOR,PLUG,ELEC	.00	.0	.0	.00				.00				.00
5935-00-2801935	CLAMP,CABLE,ELECTRI	.00	.0	.0	1.64				.00				.00
5935-00-5005008	COVER,ELECTRICAL CO	.00	.0	.0	1.69				.00				.00

Figure 3 (6 of 6)

ANNEX I

HEADQUARTERS, UNITED STATES MARINE CORPS
PROVISIONING POLICY REVIEW STUDY

MOE SHEETS III + IV, (GOL)
ERO USAGE (.5-) ROUNDED DOWN (II MAF)

ADJUSTED TWO MONTH ERO USAGE IS ROUNDED USING THE STATED CONVENTION AND COMPARED TO THE CONSOLIDATED LIST. FOR EACH ID NUMBER, QUANTITY DIFFERENCES ARE BROKEN DOWN BY CONSUMABLE AND REPAIRABLE CLASSES INTO THE FOLLOWING CATEGORIES:

1) EVEN: BOTH THE ROUNDED ERO USAGE AND THE CONSLIST GOL QTY ARE THE SAME AND GREATER THAN ZERO.

2) OVERAGE: THE ROUNDED ERO USAGE IS LESS THAN THE CONSLIST GOL QUANTITY.

3) SHORTAGE: THE ROUNDED ERO USAGE IS GREATER THAN THE CONSLIST GOL QUANTITY.

4) ZEROS: THE ROUNDED ERO USAGE AND THE GOL QTY ARE BOTH ZERO.

Figure 10 (1 of 3)

ANNEX I

HQMC PROVISIONING REVIEW STUDY
MOE COMPUTATION SHEET III
END ITEM SUMMARIES (II MAF)

APR 15, 1980

ID NO: 065358 . COMMUNICATIONS CENTRAL AN/TGC-36V IN SERVICE DATE: NONE

CONSUMABLES

SHORTAGES:	(1)	NUMBER OF NSNS WHICH HAD A ROUNDED 2 MO. ERO USAGE GREATER THAN ZERO, BUT WHICH HAD NO GOL PROVISIONED: (LABEL: RANGE - 'RNG')	2.00
	(2)	NUMBER OF NSNS WHICH HAD GOL PROVISIONED, BUT HAD A ROUNDED 2 MO. ERO USAGE IN EXCESS OF THE GOL PROV. QTY: (LABEL: DEPTH - 'DEP')	.00
	(3)	TOTAL DOLLAR VALUE OF THE DIFFERENCE BETWEEN THE 2 MO. ERO USAGE AND THE GOL PROV. QTY (WHEN USAGE IS GREATER):	5.12
OVERAGES:	(4)	NUMBER OF NSNS WHICH HAD A POSITIVE GOL PROV. QTY, BUT HAD ZERO DEMANDS IN THE ERO FILE: (LABEL: NO DEMAND - 'NO DMD')	61.00
	(5)	NUMBER OF NSNS IN WHICH THE GOL PROV. QTY IS GREATER THAN THE 2 MO. ROUNDED ERO USAGE: (LABEL: DEPTH -'DEP')	63.00
	(6)	TOTAL DOLLAR VALUE OF THE DIFFERENCE BETWEEN THE GOL PROV. QTY AND THE 2 MO. ROUNDED ERO USAGE (WHEN USAGE IS LESS):	985.40
EVEN:	(7)	NUMBER OF NSNS IN WHICH THE GOL PROV QTY AND THE 2 MO. ROUNDED ERO ARE THE SAME (NOT EQUAL TO ZERO):	2.00
CONSLIST:	(8)	NUMBER OF NSNS FOR WHICH GOL WAS PROVISIONED:	45.00
	(9)	TOTAL NUMBER OF NSNS PROVISIONED (IIP):	142.00

NOTE 1: 2 MO. ROUNDED ERO USAGE IS THE COMPUTED PART USAGE (.5+) ROUNDED UP.

NOTE 2: LINE (2) + (5) + (7) = LINE (8)

Figure 10 (2 of 3)

ANNEX I

HQMC PROVISIONING REVIEW STUDY
MOE COMPUTATION SHEET III
END ITEM SUMMARIES (II MAF)

APR 15, 1980

ID NO: 06535B . COMMUNICATIONS CENTRAL AN/TGC-36V IN SERVICE DATE: NONE

REPAIRABLES

SHORTAGES:	(1)	NUMBER OF NSNS WHICH HAD A ROUNDED 2 MO. ERO USAGE GREATER THAN ZERO, BUT WHICH HAD NO GOL PROVISIONED: (LABEL: RANGE - 'RNG')	.00
	(2)	NUMBER OF NSNS WHICH HAD GOL PROVISIONED, BUT HAD A ROUNDED 2 MO. ERO USAGE IN EXCESS OF THE GOL PROV. QTY: (LABEL: DEPTH - 'DEP')	.00
	(3)	TOTAL DOLLAR VALUE OF THE DIFFERENCE BETWEEN THE 2 MO. ERO USAGE AND THE GOL PROV. QTY (WHEN USAGE IS GREATER):	.00
OVERAGES:	(4)	NUMBER OF NSNS WHICH HAD A POSITIVE GOL PROV. QTY, BUT HAD ZERO DEMANDS IN THE ERO FILE: (LABEL: NO DEMAND - 'NO DMD')	2.00
	(5)	NUMBER OF NSNS IN WHICH THE GOL PROV. QTY IS GREATER THAN THE 2 MO. ROUNDED ERO USAGE: (LABEL: DEPTH -'DEP')	2.00
	(6)	TOTAL DOLLAR VALUE OF THE DIFFERENCE BETWEEN THE GOL PROV. QTY AND THE 2 MO. ROUNDED ERO USAGE (WHEN USAGE IS LESS):	654.50
EVEN:	(7)	NUMBER OF NSNS IN WHICH THE GOL PROV QTY AND THE 2 MO. ROUNDED ERO ARE THE SAME (NOT EQUAL TO ZERO):	.00
CONSLIST:	(8)	NUMBER OF NSNS FOR WHICH GOL WAS PROVISIONED:	2.00
	(9)	TOTAL NUMBER OF NSNS PROVISIONED (IIP):	2.00

NOTE 1: 2 MO. ROUNDED ERO USAGE IS THE COMPUTED PART USAGE (.5+) ROUNDED UP.

NOTE 2: LINE (2) + (5) + (7) = LINE (8)

Figure 10 (3 of 3)

ANNEX I

HEADQUARTERS, UNITED STATES MARINE CORPS
PROVISIONING POLICY REVIEW STUDY

NOE SHEETS III + IV, (GOL)
ERO USAGE (.15-) ROUNDED DOWN (11 MAF)

ADJUSTED TWO MONTH ERO USAGE IS ROUNDED USING THE STATED CONVENTION AND COMPARED TO THE CONSOLIDATED LIST. FOR EACH IO NUMBER, QUANTITY DIFFERENCES ARE BROKEN DOWN BY CONSUMABLE AND REPAIRABLE CLASSES INTO THE FOLLOWING CATEGORIES:

1) EVEN: BOTH THE ROUNDED ERO USAGE AND THE CONSLIST GOL QTY ARE THE SAME AND GREATER THAN ZERO.

2) OVERAGE: THE ROUNDED ERO USAGE IS LESS THAN THE CONSLIST GOL QUANTITY.

3) SHORTAGE: THE ROUNDED ERO USAGE IS GREATER THAN THE CONSLIST GOL QUANTITY.

4) ZEROS: THE ROUNDED ERO USAGE AND THE GOL QTY ARE BOTH ZERO.

Figure II (1 of 3)

ANNEX I

HQMC PROVISIONING REVIEW STUDY
MOE COMPUTATION SHEET III
END ITEM SUMMARIES (II MAF)

APR 15, 1980 PAGE: 2

ID NO: 065358 . COMMUNICATIONS CENTRAL AN/TGC-36V IN SERVICE DATE: NONE

CONSUMABLES

SHORTAGES:	(1)	NUMBER OF NSNS WHICH HAD A ROUNDED 2 MO. ERO USAGE GREATER THAN ZERO, BUT WHICH HAD NO GOL PROVISIONED: (LABEL: RANGE - 'RNG')	5.00
	(2)	NUMBER OF NSNS WHICH HAD GOL PROVISIONED, BUT HAD A ROUNDED 2 MO. ERO USAGE IN EXCESS OF THE GOL PROV. QTY: (LABEL. DEPTH - 'DEP')	1.00
	(3)	TOTAL DOLLAR VALUE OF THE DIFFERENCE BETWEEN THE 2 MO. ERO USAGE AND THE GOL PROV. QTY (WHEN USAGE IS GREATER):	10.46
OVERAGES:	(4)	NUMBER OF NSNS WHICH HAD A POSITIVE GOL PROV. QTY, BUT HAD ZERO DEMANDS IN THE ERO FILE: (LABEL: NO DEMAND - 'NO DMD')	61.00
	(5)	NUMBER OF NSNS IN WHICH THE GOL PROV. QTY IS GREATER THAN THE 2 MO. ROUNDED ERO USAGE: (LABEL: DEPTH -'DEP')	63.00
	(6)	TOTAL DOLLAR VALUE OF THE DIFFERENCE BETWEEN THE GOL PROV. QTY AND THE 2 MO. ROUNDED ERO USAGE (WHEN USAGE IS LESS):	982.62
EVEN:	(7)	NUMBER OF NSNS IN WHICH THE GOL PROV QTY AND THE 2 MO. ROUNDED ERO ARE THE SAME (NOT EQUAL TO ZERO):	1.00
CONSLIST:	(8)	NUMBER OF NSNS FOR WHICH GOL WAS PROVISIONED:	65.00
	(9)	TOTAL NUMBER OF NSNS PROVISIONED (IIP):	142.00

NOTE 1: 2 MO. ROUNDED ERO USAGE IS THE COMPUTED PART USAGE (.154) ROUNDED UP

NOTE 2: LINE (2) + (5) + (7) = LINE (8)

Figure 11 (2 of 3)

ANNEX I

HOMC PROVISIONING REVIEW STUDY
MOE COMPUTATION SHEET III
END ITEM SUMMARIES (II MAF)

APR 15, 1980 PAGE: 3

ID NO: 06535B . COMMUNICATIONS CENTRAL AN/TGC-36V IN SERVICE DATE: NONE

REPAIRABLES

SHORTAGES:	(1)	NUMBER OF NSNS WHICH HAD A ROUNDED 2 MO. ERO USAGE GREATER THAN ZERO, BUT WHICH HAD NO GOL PROVISIONED: (LABEL: RANGE - 'RNG')	.00
	(2)	NUMBER OF NSNS WHICH HAD GOL PROVISIONED, BUT HAD A ROUNDED 2 MO. ERO USAGE IN EXCESS OF THE GOL PROV. QTY: (LABEL DEPTH - 'DEP')	.00
	(3)	TOTAL DOLLAR VALUE OF THE DIFFERENCE BETWEEN THE 2 MO. ERO USAGE AND THE GOL PROV. QTY (WHEN USAGE IS GREATER):	.00
OVERAGES:	(4)	NUMBER OF NSNS WHICH HAD A POSITIVE GOL PROV. QTY, BUT HAD ZERO DEMANDS IN THE ERO FILE: (LABEL: NO DEMAND - 'NO DMD')	2.00
	(5)	NUMBER OF NSNS IN WHICH THE GOL PROV. QTY IS GREATER THAN THE 2 MO. ROUNDED ERO USAGE: (LABEL: DEPTH -'DEP')	2.00
	(6)	TOTAL DOLLAR VALUE OF THE DIFFERENCE BETWEEN THE GOL PROV. QTY AND THE 2 MO. ROUNDED ERO USAGE (WHEN USAGE IS LESS):	654.50
EVEN:	(7)	NUMBER OF NSNS IN WHICH THE GOL PROV QTY AND THE 2 MO. ROUNDED ERO ARE THE SAME (NOT EQUAL TO ZERO):	.00
CONSLIST:	(8)	NUMBER OF NSNS FOR WHICH GOL WAS PROVISIONED:	2.00
	(9)	TOTAL NUMBER OF NSNS PROVISIONED (LIP):	2.00

NOTE 1: 2 MO. ROUNDED ERO USAGE IS THE COMPUTED PART USAGE (.15+) ROUNDED UP

NOTE 2: LINE (2) + (5) + (7) = LINE (8)

Figure 11 (3 of 3)

ANNEX I

HEADQUARTERS, UNITED STATES MARINE CORPS
PROVISIONING POLICY REVIEW STUDY

MOE SHEET 1 (II MAF)

THIS REPORT PROVIDES WAITING TIME FACTORS
FOR NS': AND NON-NSN ITEMS BROKEN DOWN BY:
CONS: ENDITM / RPRL: ENDITM / CONS: SECREP

Figure 12 (1 of 3)

HOMC PROVISIONING REVIEW STUDY
MOE COMPUTATION SHEET I (II MAF)

APR 15, 1980 PAGE: 1

ID NO: 065358 . COMMUNICATIONS CENTRAL AN/TGC-36V
IN SERVICE DATE: NONE

- - - PART CATEGORY - - -

CONS: END-ITM

			NSN	NON-NSN	OVERALL
TOTALS:	(1)	SUMMATION OF DATEDIFF OVER ALL PART REQUISITIONS:	651.00	.00	651.00
	(2)	SUMMATION OF THE MAXIMUM DATEDIFF PER ERO OVER ALL EROS WITH PART REQUISITIONS:	304.00	.00	304.00
	(3)	SUMMATION OF THE MAXIMUM 'NORS' DATEDIFF PER ERO: OVER ALL EROS WITH PARTS REQUISITIONED 'NORS':	33.00	.00	33.00
AVERAGES:	(4)	AVERAGE DATEDIFF OVER ALL PART REQUISITIONS:	24.11	*	24.11
	(5)	AVERAGE MAXIMUM DATEDIFF PER ERO:	76.00	*	76.00
	(6)	AVERAGE MAXIMUM 'NORS' DATEDIFF PER ERO:	33.00	*	33.00
COUNTS:	(7)	NUMBER OF EROS WITH PART REQUISITIONS:	4.00	.00	4.00
	(8)	NUMBER OF PART REQUISITIONS:	27.00	.00	27.00
	(9)	NUMBER OF EROS WITH NORS REQUISITIONS:	1.00	.00	1.00

NOTE 1: DATEDIFF = (DATE RECEIVED) - (DATE ORDERED)

NOTE 2: ERO PART USAGE IS NOT CONSIDERED VALID AND IS NOT USED IF:

(A) DATERECD = '9999'

(B)

(C)

Figure 12 (2 of 3)

ANNEX I

HQMC PROVISIONING REVIEW STUDY
MOE COMPUTATION SHEET I (II MAF)

APR 15, 1980 PAGE: 2

ID NO: 065358 . COMMUNICATIONS CENTRAL AN/TGC-36V
IN SERVICE DATE: NONE

- - - P A R T C A T E G O R Y - - -

RPRL: END-ITM

			NSN	NON-NSN	OVERALL
TOTALS:	(1)	SUMMATION OF DATEDIFF OVER ALL PART REQUISITIONS:	202.00	.00	202.00
	(2)	SUMMATION OF THE MAXIMUM DATEDIFF PER ERO OVER ALL EROS WITH PART REQUISITIONS:	202.00	.00	202.00
	(3)	SUMMATION OF THE MAXIMUM 'NORS' DATEDIFF PER ERO: OVER ALL EROS WITH PARTS REQUISITIONED 'NORS':	.00	.00	.00
AVERAGES:	(4)	AVERAGE DATEDIFF OVER ALL PART REQUISITIONS:	202.00	+	202.00
	(5)	AVERAGE MAXIMUM DATEDIFF PER ERO:	202.00	+	202.00
	(6)	AVERAGE MAXIMUM 'NORS' DATEDIFF PER ERO:	+	+	+
COUNTS:	(7)	NUMBER OF EROS WITH PART REQUISITIONS:	1.00	.00	1.00
	(8)	NUMBER OF PART REQUISITIONS:	1.00	.00	1.00
	(9)	NUMBER OF EROS WITH NORS REQUISITIONS:	.00	.00	.00

NOTE 1: DATEDIFF = (DATE RECEIVED) - (DATE ORDERED)

NOTE 2: ERO PART USAGE IS NOT CONSIDERED VALID AND IS NOT USED IF:

(A) DATERECD = '9999'

(B)

(C)

Figure 12 (3 of 3)

ANNEX I

ANNEX I

HEADQUARTERS, UNITED STATES MARINE CORPS
PROVISIONING POLICY REVIEW STUDY

ERO SUBFILE LISTING
(II MAF)

A LISTING OF EACH PART REQUISITION OVER
THE 485 DAYS OF THE MIMMS ERO HISTORY.

Figure 13 (1 of 2)

MIMMS ERO WORKING FILE LISTING (II MAF)

ID NO: 065358. COMMUNICATIONS CENTRAL AN/TGC-36V IN SERVICE DATE: NONE

(EE) ENDITM ERO (SE) SECREP ERO	(C) CONSUMABLE (R) REPAIRABLE	PREFERRED NSN	NSN NOMENCLATURE	(N) NSN (X) NON-NSN	ERO USAGE (485 DAYS)	NORS	DATE DIFF
EE	C	4120003237780	AIR CONDITIONER	N	1.00	N	33
		4210001424949	AX.PICK HEAD	N	1.00		11
		5815003153325	COVER	N	1.00		
		5905008530797	RESISTOR.VARIABLE.W	N	2.00		20
		5920009683238	FUSEHOLDER.BLOCK	N	5.00		7
		5920009683238	FUSEHOLDER.BLOCK	N	5.00		-26
		5930001689218	GUARD.SWITCH BUTTO	N	1.00		
		5930001689218	GUARD.SWITCH BUTTO	N	5.00		4
		5930007089705	SWITCH.PUSH	N	1.00		
		5930007089705	SWITCH.PUSH	N	5.00		4
		5935001459470	CONNECTOR.PLUG.ELEC	N	1.00		26
		5935001459471	CONNECTOR.PLUG.ELEC	N	1.00		26
		5935001468282	CONNECTOR.PLUG.ELEC	N	1.00		132
		5935002227831	CONNECTOR.PLUG.ELEC	N	1.00		19
		5935002227831	CONNECTOR.PLUG.ELEC	N	2.00		29
		5935008156812	CONNECTOR.RECEPTACL	N	1.00		26
		5935008195886	CONNECTOR.PLUG.ELEC	N	1.00		7
		5935008195886	CONNECTOR.PLUG.ELEC	N	2.00		21
		5945007609020	RELAY.DRIVER	N	1.00		26
		5945008232642	RELAY.ELECTROMAGNET	N	1.00		28
		5945008232642	RELAY.ELECTROMAGNET	N	5.00		48
		6145007197394	WIRE.ELECTRICAL	N	1.00		35
		6230007299614	FLASHLIGHT	N	1.00		23
		6230007299614	FLASHLIGHT	N	1.00		11
		6545006561094		N	1.00		104
		6625009512605	AMMETER	N	1.00		11
		7920001657277	BRUSH.DUSTING.BENCH	N	1.00		23
	R	4210002704512	EXTINGUISHER.FIRE.C	N	1.00		202

Figure 13 (2 of 2)

ANNEX I

APPENDIX 1, ANNEX I

DATA SOURCES

This Appendix contains a file layout description for each of the primary data files used in the study. Also included are the file layouts for the two major work files created during the MOE factor computation processing.

The following Figures provide the MARK IV file definitions:

PRIMARY DATA SOURCES

FIGURE	MARK IV FD NAME	DATA SET REFERENCED
1	PROV-SDY	ERO History File: MIMMS Field Subsystem
2	MHIFSAS	Master Header Information File: SASSY
3	GABFSASS	General Account Balance File: SASSY
4	MFBFSASS	Maintenance Float Balance File: SASSY
5	CONSLIST	Keypunched Version of Original Consolidated Lists
6	ERO-SUBF	ERO Subfile
7	EXPDCONS	Expanded Consolidated Lists

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - P100V-SDY

JUN 25, 1980
PAGE 1

FILE IDENTIFICATION =
NUMBER OF SEGMENTS IN FILE = 2
NUMBER OF FIELDS IN FILE = 41

RECORD FORMAT = VARIABLE BLOCKED
RECORD SIZE = 18446
BLOCK SIZE = 18456

****
* SEGMENT 1, LEVEL 1 *
****

SEGMENT OCCURS N TIMES = 1
SEGMENT SIZE = 312
NUMBER OF FIELDS IN SEGMENT = 26

KEY FIELD 1 = ERO TYPE = C LENGTH = 5

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD RNDING	DEC PLACES	CNT FIELD FOR SGMT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
ERO	C	1	5					5	5	1	***	ERO	***
IMAGEA	C	1	103					103	103	1	***	HDR# 1-103	***
TAM	C	6	5					5	5	1	***	TAM	***
ID-NO	C	11	6					6	6	1	***	ID NO	***
NSN	C	17	13					13	13	1	***	NSN	***
NSC	C	30	2					2	3	1	***	NSC	***
NOMEN	C	32	14					14	14	1	***	NOMEN	***
SER-NO	C	46	10					10	10	1	***	SER NO	***
OWNERUAC	C	56	5					5	5	1 2	*** ***	OWNER UAC	*** ***

Figure 1 (1 of 5)

ANNEX I

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - DMDV-SDV
SEGMENT 1, LEVEL 1 (CONTINUED)

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD HOLDING	DEC PLACES	CNT FIELD FOR SGMT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
DMIS	P	61	3					1	7	1	***	DATE	***
										2	***	RECD	***
										3	***	SHOP	***
ECH	C	64	4					1	6	1	***	ECH OF	***
										2	***	MAINT	***
QTY	Z	70	2					3	8	1	***	QTY	***
										2	***	INDUCTED	***
X-ERO-1	C	72	5					5	9	1	***	CROSS REF	***
										2	***	ERO 1	***
X-ERO-2	C	77	5					5	9	1	***	CROSS REF	***
										2	***	ERO 2	***
IMAGED	C	104	101					101	101	1	***	HDR: 104-203	***
CAT	C	148	1					1	3	1	***	CAT	***
DCD	P	150	3					7	9	1	***	D-L	***
										2	***	CNTL DATE	***
DEF	P	153	3					7	10	1	***	DATE ERO	***
										2	***	RECD ESTAB	***
DATECLOS	P	156	3					7	11	1	***	DATE ERO	***
										2	***	RECD CLOSED	***
STATCLOS	C	177	2					2	9	1	***	ERO CLOSE	***
										2	***	STATUS	***

Figure 1 (2 of 5)

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - PROV-SUV
SEGMENT 1, LEVEL 1 (CONTINUED)

JUN 25, 1980
PAGE 3

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD RNDING	DEC PLACES	CNT FIELD FOR SUMT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
ML-IND	C	179	4					4	9	1	***	READINESS	***
										2	***	STATUS	***
LN	C	179	2					2	9	1	***	RONS STAT	***
TYPE	C	181	2					2	8	1	***	RONS ECH	***
IMAGEC	C	211	102					102	102	1	***	HDR* 211-312	***
EDT-READ	Z	212	6					8	8	1	***	METER	***
										2	***	READING	***
PART-CNT	Z	311	2			2		3	3				

Figure 1 (3 of 5)

ANNEX I

****
* SEGMENT 2, LEVEL 2 *
****

COUNT FIELD FOR SEGMENT = PART-CNT
SEGMENT SIZE = 90
NUMBER OF FIELDS IN SEGMENT = 15

KEY FIELD 1 = DOC-NO TYPE = C LENGTH = 13

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD ENDING	DEC PLACES	CNT FIELD FOR SGMT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
WSN-ASC	C	1	2					2	7	1	***	WPN SYS	***
										2	***	CODE	***
IMAGE	C	1	90					90	90	1	***	SEQ# 1-90	***
PART-NSN	C	3	13					13	13	1	***	PART NSN	***
PARTNAME	C	16	10					10	10	1	***	PART NAME	***
DOC-NO	C	26	13					13	13	1	***	DOC NO	***
DEM	C	39	1					1	6	1	***	DEMAND	***
										2	***	CODE	***
P-QTY	P	42	3					7	7	1	***	PRT QTY	***
SUP-STAT	C	47	2					2	6	1	***	SUPPLY	***
										2	***	STATUS	***
SUP-DATE	P	49	2					4	9	1	***	SUPPLY	***
										2	***	STAT DATE	***

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - PROV-SUY
SEGMENT 2, LEVEL 2 (CONTINUED)

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD ENDING	DEC PLACES	CNT FIELD FOR SORT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE (R)	***	COLUMN HEADING	***
RIC-LKH	C	51	3					3	10	1	***	RIC OF	***
										2	***	LAST KNOWN	***
										3	***	HOLDER	***
NORS	C	60	1					1	9	1	***	NORS	***
										2	***	INDICATOR	***
ADV	C	61	2					2	6	1	***	ADVICE	***
										2	***	CODE	***
AUTH	C	63	1					1	9	1	***	AUTH CODE	***
DATERECD	P	64	3					7	9	1	***	DATE RECD	***
DC	C	67	1					1	9	1	***	DATE	***
										2	***	CANCELLED	***

Figure 1 (3 of 3)

ANNEX I

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - WHFSAS

JUN 25, 1980
PAGE 1

FILE IDENTIFICATION =
NUMBER OF SEGMENTS IN FILE = 1
NUMBER OF FIELDS IN FILE = 29

RECORD FORMAT = FIXED BLOCKED
RECORD SIZE = 90
BLOCK SIZE = 1620

****
* SEGMENT 1, LEVEL 1 *
****

SEGMENT OCCURS N TIMES = 1
SEGMENT SIZE = 90
NUMBER OF FIELDS IN SEGMENT = 29

KEY FIELD 1 = WNSN TYPE = C LENGTH = 15

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD RNDING	DEC PLACES	CNT FIELD FOR SGMT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
FLAG	C	1	1					1	1				
PNSN	C	2	15					15	15	1	***	PREFERRED NSN	***
RNSN	C	17	15					15	15	1	***	RECORD NSN	***
FILLER	C	32	2					2	2				
SAC	C	34	1					1	3	1	***	SAC	***
MC	C	35	1					1	10	1 2	*** ***	MANAGEMENT CODE	*** ***
MEC	C	35	2					2	3	1	***	MEC	***
EC	C	36	1					1	7	1 2	*** ***	ECHELON CODE	*** ***
SLC	C	37	1					1	9	1 2	*** ***	SHELF LIFE CODE	*** ***

Figure 2 (1 of 3)

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD WRDING	DEC PLACES	CNT FIELD FOR SGMT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
U/P	P	38	5		2		(S) ( ) ( )	13	13	1	***	U/P	***
RECOVCOD	C	43	1					1	14	1 2	***	RECOVERABILITY CODE	***
NOMEN	C	44	19					19	19	1	***	NAME OF ITEM	***
SEC	C	63	1					1	13	1	***	SECURITY CODE	***
PHRASE	C	64	1					1	11	1	***	PHRASE CODE	***
FILLER1	C	65	1					1	1				
CIC	C	66	1					1	10	1 2	***	CONTROLLED ITEM CODE	***
MIC	C	67	1					1	14	1 2 3	***	MATERIEL IDENTIFICATION CODE	***
PCC	C	68	1					1	11	1 2 3	***	PROCUREMENT CONTROL CODE	***
CEC	C	69	1					1	12	1 2 3	***	COMBAT ESSENTIALITY CODE	***
NSI	C	70	1					1	14	1 2	***	NON SYSTEM ITEM INDICATOR	***

Figure 2 (2 of 3)

ANNEX I

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - MDFSAS
SEGMENT 1, LEVEL 1 (CONTINUED)

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD RDDNG	DEC PLACES	CNT FIELD FOR SGMT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	COLUMN HEADING
MMC	C	71	1					1	13	1	*** MIMMS MANAGED ***
										2	*** CODE ***
MFI	C	72	1					1	16	1	***MAINTENANCE FLOA***
										2	*** INDICATOR ***
SUBCTR	Z	73	2					3	12	1	*** SUB COUNTERS ***
DEMIL	C	75	2					2	16	1	***DEMILITARIZATION***
										2	*** CODES ***
DEMILI	C	76	1					1	6	1	*** DEMILI ***
SRP	P	77	3				(8) ( ) ( )	7	15	1	***STANDARD REPAIR ***
										2	*** PRICE ***
SSC-RIC	C	80	3					3	13	1	*** SUPPLY SOURCE ***
										2	*** CODE RIC ***
DATE	C	83	4					4	4	1	*** DATE ***
FILLER2	C	87	4					4	4		

Figure 2 (3 of 3)

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - GAMFSA55

JUN 25, 1980
PAGE 1

FILE IDENTIFICATION = GAMF
NUMBER OF SEGMENTS IN FILE = 1
NUMBER OF FIELDS IN FILE = 39

RECORD FORMAT = FIXED BLOCKED
RECORD SIZE = 144
BLOCK SIZE = 6336

****
* SEGMENT 1, LEVEL 1 *
****

SEGMENT OCCURS N TIMES = 1
SEGMENT SIZE = 144
NUMBER OF FIELDS IN SEGMENT = 39

KEY FIELD 1 = PNSN TYPE = C LENGTH = 15
KEY FIELD 2 = AAC TYPE = C LENGTH = 6
KEY FIELD 3 = PRC TYPE = C LENGTH = 1

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD RNDING	DEC PLACES	CNT FIELD FOR SGMT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
PNSN	C	1	15					15	15	1	***	PRIME NSN	***
RNSN	C	16	15					15	15	1	***	RECORD NSN	***
AAC	C	31	6					6	6	1	***	AAC	***
UI	C	37	2					2	3	1	***	U/I	***
U/P	P	39	5		2		(5) ( ) ( )	13	13	1	***	UNIT PRICE	***
SAC	C	44	1					1	3	1	***	SAC	***
MIC	C	45	1					1	3	1	***	MIC	***
CIC	C	46	1					1	3	1	***	CIC	***
NSI	C	47	1					1	3	1	***	NSI	***
PHRASE	C	48	1					1	2	1	***	PC	***

Figure 3 (1 of 4)

ANNEX I

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD ROUND	DEC PLACES	CHT FIELD FOR SORT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
FRC	C	49	1					1	3	1	***	FRC	***
MC	C	50	1					1	2	1	***	MC	***
MEC	C	50	2					2	3	1	***	MEC	***
EC	C	51	1					1	2	1	***	EC	***
IIPQTY	P	52	3					7	7	1	***	IIP QTY	***
NSLRQ	P	55	3					7	7	1	***	NSL RQ	***
RQP	P	58	4					10	10	1	***	RQP	***
RQ	P	62	4					10	10	1	***	RQ	***
QHAA	P	66	4					10	10	1	***	QH-OPSTK	***
DUE-OPST	P	70	4					10	10	1	***	DUE	***
BQ	P	74	4					10	10	1	***	BQ QTY	***
NEO	C	78	4					4	4	1	***	RONT	***
QP	C	82	2					2	2	1	***	QP	***
FIXLEVEL	P	84	4					10	10	1	***	FIX-LVL	***

Figure 3 (2 of 4)

ANNEX I

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD MASK	DEC PLACES	CNT FIELD FOR SENT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
AMND	P	88	4					10	10	1	***	AMND	***
REFERDTY	P	92	3					7	7	1	***	REF-DTY	***
EXC-DN	P	95	4					10	10	1	***	EXCESS-DN	***
NVF	C	99	1					1	3	1	***	NVF	***
DNAF	P	100	4					10	10	1	***	DN-AF	***
DNSR	P	104	4					10	10	1	***	DN-GA	***
DUESR	P	108	4					10	10	1	***	DUE-GA	***
NDISTREC	P	112	2					4	9	1	***	NO-RECPTS	***
DAYRECEP	P	114	3					7	11	1	***	DAYS-RECPTS	***
SSC	C	117	1					1	3	1	***	SSC	***
FEC	C	118	1					1	3	1	***	FRZ	***
FECDT	P	119	3					7	7	1	***	FRZ-DT	***
LTD	P	122	3					7	7	1	***	LTD	***
ANC	C	125	1					1	3	1	***	ANC	***

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD ENDING	DEC PLACES	CNT FIELD FOR SUMT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
FILLER1	C	126	19					19	19	1	***	FILLER1	***

Figure 3 (4 of 4)

ANNEX I

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - MFDFSASS

JUN 25, 1980
PAGE 1

FILE IDENTIFICATION =
NUMBER OF SEGMENTS IN FILE = 2
NUMBER OF FIELDS IN FILE = 24

RECORD FORMAT = FIXED BLOCKED
RECORD SIZE = 300
BLOCK SIZE = 6080

****
* SEGMENT 1, LEVEL 1 *
****

SEGMENT OCCURS N TIMES = 1
SEGMENT SIZE = 120
NUMBER OF FIELDS IN SEGMENT = 21

KEY FIELD 1 = PNSN TYPE = C LENGTH = 15

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD RNDING	DEC PLACES	CNT FIELD FOR SORT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
PNSN	C	1	15					15	15	1	***	PNSN	***
RNSN	C	16	15					15	15	1	***	RNSN	***
AAC	C	31	6					6	9	1	***	ACTIVITY	***
										2	***	ADDR. CDE	***
FRC	C	37	1					1	3	1	***	FRC	***
U/I	C	39	2					2	3	1	***	U/I	***
U/P	P	41	5		2			13	13	1	***	U/P	***
SAC	C	46	1					1	3	1	***	SAC	***
CIC	C	47	1					1	9	1	***	CONT. ITR	***
										2	***	IND.	***
SMRC	C	48	5					5	7	1	***	SMR CDE	***

Figure 4 (1 of 3)

ANNEX I

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - MERGSAS
SEGMENT 1, LEVEL 1 (CONTINUED)

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD HEADING	DEC PLACES	CHT FIELD FOR SORT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
MAINT	C	50	2					2	9	1	***	MAINT CDE	***
RVCDE	C	52	1					1	5	1 2	*** ***	REQ'V CODE	*** ***
MO-ALLOW	P	62	2					4	9	1	***	MO ALLOW	***
PROV-IND	C	64	1					1	9	1	***	PROV IND.	***
PROV-ALW	P	65	2					4	10	1	***	PROV ALLOW	***
PROV-OH	P	67	2					4	12	1	***	PROV ON HAND	***
PROV-DTE	P	69	3					7	9	1	***	PROV DATE	***
TOT-ALW	P	78	2					4	9	1 2	*** ***	TOTAL ALLOWANCE	*** ***
MO-RO	P	80	2					4	10	1	***	MN REQ OBJ	***
MSLRO	P	88	2					4	5	1	***	MSLRO	***
OST	P	100	2		2			5	5	1	***	OST	***
MFI	C	120	1					1	3	1	***	MFI	***

Figure 4 (2 of 3)

ANNEX I

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - MMISAMS

****
* SEGMENT 2, LEVEL 2 *
****

KEY FIELD 1 = ISS-PT TYPE = C LENGTH = 2

SEGMENT OCCURS N TIMES = 10
SEGMENT SIZE = 26
NUMBER OF FIELDS IN SEGMENT = 3

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD RNDING	DEC PLACES	CNT FIELD FOR SORT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
ISS-PT	C	1	2					2	9	1	***	ISSUE PT.	***
OH-AA	P	3	2					4	5	1	***	OH-AA	***
FRZDTE	P	24	3					7	10	1	***	FREEZE DTE	***

Figure 4 (3 of 3)

ANNEX I

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - CONSLIST

JUN 25, 1980
PAGE 1

FILE IDENTIFICATION =
NUMBER OF SEGMENTS IN FILE = 1
NUMBER OF FIELDS IN FILE = 6

RECORD FORMAT = FIXED BLOCKED
RECORD SIZE = 40
BLOCK SIZE = 4000

****
* SEGMENT 1, LEVEL 1 *
****

SEGMENT OCCURS N TIMES = 1
SEGMENT SIZE = 38
NUMBER OF FIELDS IN SEGMENT = 6

KEY FIELD 1 = REC-KEY TYPE = C LENGTH = 16

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD RNDING	DEC PLACES	CNT FIELD FOR SGMT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
PROJ-NO	C	1	3					3	7	1	***	PROJ NO	***
REC-KEY	C	1	16					16	16	1	***	REC-KEY	***
NSN	C	4	13					13	13	1	***	NSN	***
ID-NO	C	17	6					6	6	1	***	ID NO	***
OIL-QTY	Z	23	8					11	11	1	***	OIL QTY	***
W/O-QTY	Z	31	8					11	11	1	***	W/O QTY	***

Figure 5 (1 of 1)

ANNEX I

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION = ERO-SUBF

JUN 25, 1980
PAGE 1

FILE IDENTIFICATION =
NUMBER OF SEGMENTS IN FILE = 1
NUMBER OF FIELDS IN FILE = 15

RECORD FORMAT = FIXED BLOCKED
RECORD SIZE = 90
BLOCK SIZE = 900

****
* SEGMENT 1, LEVEL 1 *
****

SEGMENT OCCURS N TIMES = 1
SEGMENT SIZE = 90
NUMBER OF FIELDS IN SEGMENT = 15

KEY FIELD 1 = PNSN TYPE = C LENGTH = 13
KEY FIELD 2 = ID-NO TYPE = C LENGTH = 6

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD RNDING	DEC PLACES	CNT FIELD FOR SORT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
PART-NSN	C	1	13					13	13	1	***	ERO PART	***
										2	***	NSN	***
PARTQUAL	C	14	1					1	11	1	***	(N) NSN	***
										2	***	(X) NON-NSN	***
PARTQTY	Z	15	8					11	12	1	***	INT. PRT QTY	***
ADJ-QTY	Z	15	8		2			11	11	1	***	ADJ. QTY	***
NORS	C	23	1					1	4	1	***	NORS	***
DATEDIFF	Z	24	4					6	9	1	***	DATE DIFF	***
ERO	C	28	5					5	5	1	***	ERO	***
ID-NO	C	33	6					6	6	1	***	ID NO.	***
*SER-NO	C	39	10					10	10	1	***	SER NO.	***

Figure 9 (1 of 2)

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD RNDING	DEC PLACES	CNT FIELD FOR SORT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
QTY	Z	49	2					3	7	1	***	ERO QTY	***
PNSN	C	51	13					13	13	1	***	PREFERRED	***
										2	***	NSN	***
ERO-TYPE	C	64	2					2	15	1	***	(EE) ENDITM ERO	***
										2	***	(SE) SECREP ERO	***
U/P	P	66	5		2		(9) ( ) ( )	13	13	1	***	UNIT PRICE	***
										2	***	OF PREF. NSN	***
CODE	C	71	1					1	14	1	***	(C) CONSUMABLE	***
										2	***	(R) REPAIRABLE	***
NOMEN	C	72	19					19	19	1	***	NSN NOMENCLATURE	***

Figure 6 (2 of 2)

ANNEX I

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - EXPDCONS

JUN 25, 1980
PAGE 1

FILE IDENTIFICATION =
NUMBER OF SEGMENTS IN FILE = 1
NUMBER OF FIELDS IN FILE = 14

RECORD FORMAT = FIXED BLOCKED
RECORD SIZE = 103
BLOCK SIZE = 5150

****
* SEGMENT 1, LEVEL 1 *
****

SEGMENT OCCURS N TIMES = 1
SEGMENT SIZE = 103
NUMBER OF FIELDS IN SEGMENT = 14

KEY FIELD 1 = ID-NO TYPE = C, LENGTH = 6
KEY FIELD 2 = PNSN TYPE = C LENGTH = 13

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD RNDING	DEC PLACES	CNT FIELD FOR SGMT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO		COLUMN HEADING	
ID-NO	C	1	6					6	6	1	***	ID NO.	***
NSN	C	7	13					13	13	1	***	ORIG.	***
										2	***	PROVISIONED	***
										3	***	NSN	***
GAB/MFB	C	20	1					1	8	1	***	(G) GABF	***
										2	***	(M) MFBF	***
QUL-QTY	Z	21	8					11	11	1	***	QUL QTY	***
MI-QTY	Z	29	8					11	11	1	***	M/O QTY	***
UNIT-PRC	Z	37	12		2		($) ( ) ( )	17	17	1	***	UNIT PRICE	***
										2	***	(ORIG. NSN)	***
RO/ALW	Z	49	10					14	14	1	***	REQ OBJ /	***
										2	***	FLOAT ALLOW.	***
OST	Z	59	5					7	15	1	***	ORDER SHIP TIME	***
										2	***	(GABF/MFBF)	***

Figure 7 (1 of 2)

ANNEX I

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - EXPDCORS
SEGMENT 1, LEVEL 1 (CONTINUED)

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	FIELD ENDING	DEC PLACES	CNT FIELD FOR SGNT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
PNSN	C	64	18					13	13	1	***	CURRENT	***
										2	***	PREFERRED	***
										3	***	NSN	***
CEC	C	77	1					1	11	1	***	CRITICALITY	***
										2	***	CODE	***
FLLR	C	78	1					1	1				
U/P	P	79	5		2		($) ( ) ( )	13	13	1	***	UNIT PRICE	***
										2	***	(PREF. NSN)	***
CODE	C	84	1					1	8	1	***	(C) CONS	***
										2	***	(R) RPRL	***
NOMEN	C	85	19					19	19	1	***	NOMENCLATURE	***

Figure 7 (2 of 2)

APPENDIX 2, ANNEX I

MARK IV TABLES

This Appendix contains the constructs of the two MARK IV lookup tables used in the MOE factor computation processing. Descriptions with respect to the use of these tables is contained in the processing discussion of Annex H.

MARK IV TABLES

Figure 1 PROV-ID

Figure 2 III-FCTR

JUN 25, 1980 TABLE PHOV-1D PAGE 1

TABLE DESCRIPTION
TYPE = BINARY
ENTRY COUNT = 45

ARGUMENT DESCRIPTION
DATA TYPE = CHARACTER
LENGTH = 13

RESULT DESCRIPTION
DATA TYPE = CHARACTER
LENGTH = 90

ARGUMENT VALUES	RESULT VALUES
(026268)	(IMPROVED HAWK (CONS & DEPS) IN SERVICE DATE: 17 APR 78)
(04416A)	(RADIAC SET AN/PDR-63 IN SERVICE DATE: NOT ON LIST)
(065358)	(COMMUNICATIONS CENTRAL AN/TGC-36V IN SERVICE DATE: NONE)
(06824A)	(TRANSPONDER SET AN/UPN-32 IN SERVICE DATE: 7 SEP 78)
(06826B)	(IN SERVICE DATE: NONE)
(06828B)	(RADIO SET AN/PRC-75A IN SERVICE DATE: NONE)
(07115B)	(FIPS-14 MODIF KIT F/AN-TYC-5A (DEPS) IN SERVICE DATE: NOT ON LIST)
(07116B)	(TRACTOR, FULL TRACKED, LOW SPEED, MC450 IN SERVICE DATE: MAY 78)
(07459A)	(ECPS F/TEST SET AN/TSM-120 (DRAGON) IN SERVICE DATE: NOT ON LIST)
(07475A)	(RECEIVING SET, RADIO AN/URR-70 IN SERVICE DATE: 18 AUG 78)
(07476A)	(RECEIVING SET, RADIO AN/URR-71 IN SERVICE DATE: 18 AUG 78)
(07477A)	(RECORDER-REPRODUCER AN/PNR-7 IN SERVICE DATE: 18 AUG 78)

Figure 1 (1 of 4)

ARGUMENT VALUES	RESULT VALUES
(07500A)	(DUMMY LOAD, LLLC 100KW IN SERVICE DATE: NONE)
(07516B)	(CENTRAL OFFICE TELE, 600 LINE IN SERVICE DATE: NONE)
(07536A)	(GENERATOR SET MEP-009A IN SERVICE DATE: 6 NOV 79)
(07579A)	(AIR CONDITIONER, 9000 BTU IN SERVICE DATE: 14 NOV 79)
(07581A)	(RADAR SET AN/PPS-15 (V2) IN SERVICE DATE: NONE)
(07618A)	(PAGE PRINTER SET SEND/RCV AN/UGC-52 IN SERVICE DATE: NONE)
(07623A)	(DISTRIB-TRANSMITTER SET (TELETYPE) IN SERVICE DATE: 1 MAY 78)
(07628A)	(AIR CONDITIONER, 40,000 BTU, MAC 6V-5450-11 IN SERVICE DATE: NOT ON LIST)
(07630M)	(RETROFIT KIT F/AN/UPM-137A IN SERVICE DATE: 12 FEB 77)
(07632A)	(TELEPRINTER TT-572/UG IN SERVICE DATE: 1 MAY 78)
(07641A)	(FIRE EXTING, THIN AGENT IN SERVICE DATE: NONE)
(07664A)	(AIR CONDITIONER, 18000 BTU, A/E-32C-17 IN SERVICE DATE: 11 APR 78)
(07665A)	(TOOL KIT, ELEX IN SERVICE DATE: 30 OCT 77)
(07666A)	(AIR CONDITIONER 9000 BTU IN SERVICE DATE: 9 DEC 78)
(07672A)	(SEARCHLIGHT, AN/VSS-3A IN SERVICE DATE: 30 JUN 77)

Figure 1 (2 of 4)

ANNEX I

ARGUMENT VALUES	RESULT VALUES
(07673A)	, (TEST SET, R.F. POWER AN/PRM-33 IN SERVICE DATE: 10 NOV 77)
(07679A)	((FREQ CONVERTER, CV-3231/U IN SERVICE DATE: 20 JUL 79)
(07684A)	((TELETYPE, CONT UNIT C-7050/G IN SERVICE DATE: 1 MAY 78)
(07698A)	(SYNCH, INTERFACE SN-496/TYC-5A(V) IN SERVICE DATE: 1 MAY 78)
(07711A)	((HELIPORT LIGHTING SYS IN SERVICE DATE: 30 APR 78)
(07716A)	(CONVERTER, CV-2097(V)/FGC IN SERVICE DATE: 1 MAY 78)
(07717A)	(POWER SUPPLY PP-6062/G IN SERVICE DATE: 1 MAY 78)
(07718A)	(CONVERTER, CV-2757/GGC IN SERVICE DATE: 1 MAY 78)
(07726A)	(R.F. MONITOR SET AN/USQ-46A IN SERVICE DATE: 5 APR 78)
(07727A)	(RECORDER SET, SIGNAL DATA RO-376A/USQ IN SERVICE DATE: 9 JAN 79)
(07728A)	(POWER SUPPLY, OP-63/USQ-46 IN SERVICE DATE: NONE)
(07729A)	(TEST SET, GROUP, RADIO OS-60/USQ-46 IN SERVICE DATE: 5 APR 78)
(07784A)	(TRUCK, GUIDED MISSLE CARRIER IN SERVICE DATE: 26 MAY 76)
(07838A)	(TRUCK, GUIDED MISSILE CARRIER W/M2 IN SERVICE DATE: NONE)
(07862A)	(SEMI-TRAILER, LOW BED 40 TON-M870 IN SERVICE DATE: 14 APR 79)

Figure 1 (3 of 4)

ANNEX I

ARGUMENT VALUES	RESULT VALUES
(07864A)	(TRUCK, CARGO, M880, 1 1/4 TON IN SERVICE DATE: 2 DEC 78)
(07865A)	(TRUCK, AMBULANCE 1 1/2 TON, M886 IN SERVICE DATE: 27 DEC 78)
(07873A)	(COMM TECH CONTROL CENTER, AN/TSQ-84 IN SERVICE DATE: 25 APR 79.)

Figure 1 (4 of 4)

ANNEX I

JUN 25, 1980 TABLE III-FCTR PAGE 1

TABLE DESCRIPTION	ARGUMENT DESCRIPTION	RESULT DESCRIPTION
TYPE = BINARY	DATA TYPE = CHARACTER	DATA TYPE = CHARACTER
ENTRY COUNT = 50	LENGTH = 13	LENGTH = 20

ARGUMENT VALUES		RESULT VALUES	
(2510001769146)	(07784A	0.0029	)
(2520310101682)	(07864A	1.333	)
(2510010329057)	(07864A	1.0	)
(2805010133287)	(07864A	0.625	)
(2910003086320)	(	0.0	)
(2920002266545)	(	0.0	)
(2920004910134)	(07118B	0.0455	)
(2920009039534)	(	0.0	)
(2920009092483)	(07784A	0.0058	)
(2920410035465)	(07865A	2.937	)
(2920310329389)	(07865A	2.0	)
(2920010419924)	(07864A	0.0266	)
(4935005930270)	(07459A	2.0	)
(4935003230280)	(07459A	2.0	)
(4935005930282)	(07459A	1.0	)
(4935005930359)	(07459A	0.5	)
(4935005930361)	(07459A	0.4	)
(4935005955216)	(07459A	1.0	)
(4935005955217)	(07459A	1.0	)

Figure 2 (1 of 3)

ARGUMENT VALUES	RESULT VALUES		
(49350059552201	(07459A	3.0	)
(49350059552261	(07459A	1.0.	)
(49350093011081	(07459A	0.1818	)
(49350104704721	(07459A	2.0	)
(49350104760111	(07459A	1.0	)
(49350104803526)	(07459A	1.0	)
(58050011114995)	(07516B	16.0	)
(58050012057121	(07516B	3.0	)
(58050033726551	(07516B	0.5	)
(58050090783001	(07873A	0.1666	)
(58050102594241	(07516B	1.0	)
(58150026325041	(07115B	1.5	)
(58150033560821	(07115B	2.0	)
(58150039209061	(07115B	0.5	)
(58150041502511	(07115B	6.5	)
(58150095734271	(07115B	3.0	)
(58200045387031	(06828B	0.625	)
(58200045626591	(06828B	0.666	)
(58200048013991	(06828B	0.2632	)
(58200131428821	(06828B	0.25	)
(58550018960651	(07672A	0.333	)
(58550018960661	(07672A	0.4666	)

Figure 2 (2 of 3)

ANNEX 1

ARGUMENT VALUES	RESULT VALUES		
(5895003237000)	(07115B	0.666	)
(5895003237008)	(07115B	1.0	)
(5895004150452)	(07115B	6.0	)
(5895005206571)	(07115B	1.6	)
(5895009598657)	(	0.0	)
(6110002016015)	(07536A	2.0	)
(6110004355403)	(06820B	4.0	)
(6130010032982)	(07459A	1.0	)
(7440001157123)	(07115B	3.0	)

Figure 2 (3 of 3)

ANNEX I

Appendix 3, ANNEX I

SOURCE LISTINGS

This Appendix contains the source listing of each of the programs used in the MOE factor computation process. The programs are written in the MARK IV retrieval language and also use IBM 360 Job Control Language and IBM 360 utilities. A brief description of the function of each program is contained in the program header. Comments have also been included throughout the listings to highlight various steps. A more complete description is contained in the processing discussion of Annex H.

SOURCE LISTINGS

FIGURE	PROGRAM NAME	PROCESSING PHASE
1	EXP-CONS	Expanded Consolidated List
2	FACTOR -1	Secrep Factor Computations
3	EROSUB-1	ERO Subfile Creation
4	EROSUB-2	ERO Subfile Creation
5	EROSUB-X	ERO Subfile Creation
6	R-CONS	Report Generation
7	R-CONS2	Report Generation
8	R-MOE2	Report Generation
9	R-MOE34A	Report Generation
10	R-MOE34B	Report Generation
11	R-MOE34C	Report Generation
12	R-MOE1	Report Generation
13	R-ERO	Report Generation

```
/*TAPE=3
//I4524C12 JOB (6611R,LMP3,200,10),'41777 CHADWICK',TIME=20
/*ROUTE  PRINT LOCAL                                          ANNEX I
//* ***************************************************************
//*  *                                                              *
//*  *   * * *  PGM.  EXP-CONS  * * *                              *
//*  *                                                              *
//*  *       THIS PROGRAM EXPANDS THE II NO,NSN,QCL QTY AND M/D QTY *
//*  *   DATA (MANUALLY KEYED INTO THE FILE ...CONSLIST(2)) AGGREGATING *
//*  *   EACH QTY OVER ALL PROJECTS PERTAINING TO EACH II NUMBER.  IN *
//*  *   ORDER TO COMPARE QUANTITIES AGAINST THE MIMMS EPD FILE, THE

//*  *   PREFERRED NSN IS AMENDED TO THE FILE AS WELL AS UNIT PRICE,  *
//*  *   COMBAT ESSENTIALITY CODES, WHETHER THE NSN IS A CONSUMABLE OR *
//*  *   A REPAIRABLE AND ALSO THE NSN'S NOMENCLATURE.                *
//*  *                                                              *
//*  *                                                              *
//*  *   INPUT FILES:  1.  DSN=HQMC1.LMIS.CHADWIK.CONSLIST(0)       *
//*  *                     FD: CONSLIST                             *
//*  *                                                              *
//*  *                 2.  DSN=HQMC1.LMIS.CHADWIK.MHIF              *
//*  *                     FD: MHIFSAS                              *
//*  *                                                              *
//*  *                 3.  DSN=HQMC1.LMIS.CHADWIK.GABF              *
//*  *                     FD: GABFSASS                             *
//*  *                                                              *
//*  *                 4.  DSN=HQMC1.LMIS.CHADWIK.MFBF              *
//*  *                     FD: MFBFSASS                             *
//*  *                                                              *
//*  *                                                              *
//*  *   OUTPUT FILES: 1.  DSN=HQMC1.LPS2.I4524.CONSII              *
//*  *                                                              *
//* ***************************************************************
//STP1 EXEC PGM=IERRCO00,REGION=150K
//SORTLIB DD DSNAME=SYS1.SORTLIB,DISP=SHR
//SORTIN DD DSN=HQMC1.LMIS.CHADWIK.CONSLIST(0),DISP=SHR
//SORTWK01 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN)),SEP=SORTIN
//SORTWK02 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN,SORTWK01)),
//            SEP=(SORTIN,SORTWK01)
//SORTWK03 DD SPACE=(TRK,50),SEP=(SORTIN,SORTWK01,SORTWK02),
//            UNIT=(SYSDA,SEP=(SORTIN,SORTWK01,SORTWK02))
//SORTOUT DD DSN=HQMC1.LPS2.I4524.SORTCONS,
//      DISP=(,PASS,DELETE),
//      UNIT=SYSDA,
//      DCB=(RECFM=FB,LRECL=40,BLKSIZE=4080),
//      SPACE=(4080,(70,20),RLSE)
//SYSPRINT DD SYSOUT=A
//SYSOUT DD SYSOUT=A
//*  SORTS BY ID NO. AND THEN BY NSN
//SYSIN DD *
  SORT FIELDS=(17,6,CH,A,4,13,CH,A)
/*
//STP2 EXEC MARKIV,DEPT=USER
//EXT.M4OLD DD DSN=HQMC1.LPS2.I4524.SORTCONS,DISP=OLD
//EXT.M4SUBF1 DD DSN=HQMC1.LPS2.I4524.CONSUR,
//         DISP=(,PASS,DELETE),
//         UNIT=SYSDA,
//         DCB=(RECFM=FB,LRECL=183,BLKSIZE=5490),
//         SPACE=(5490,(150,20),RLSE)
//EXT.M4INPUT DD *
```

Figure 1 (1 of 6)

```
STP2     RCCONSLISTS U    S    #
STP2     RFCONSL    SM4SUBF1
STP2     AA    ********************************************************
STP2     AA
STP2     AA    THIS STEP 1)  AGGREGATES QTY'S FOR DUPLICATE ID/NSN PAIRS
STP2     AA              2)  EXPANDS RECORD LENGTH TO 103.
STP2     AA
STP2     AA    ********************************************************
ID-CONS ERTODAY
ID-CONS PR       ID-NO    EQTLASTID
ID-CONS PR     A NSN      EQTLASTNSN
ID-CONS PR                NS 100
ID-CONS PR      TTOTGOL   +  GOL-QTY                          TTOTGOL
ID-CONS PR      TTOTMO    +  MO-QTY                           TTOTMO
ID-CONS PR                GO END
ID-CONS PR100   TLASTNSN  NEC
ID-CONS PR110             NS 130
ID-CONS PR120             GO SUB CONSRECD
ID-CONS PR130             R  NSN                              TLASTNSN
ID-CONS PR140             R  ID-NO                            TLASTID
ID-CONS PR150             R  GOL-QTY                          TTOTGOL
ID-CONS PR160             R  MO-QTY                           TTOTMO
ID-CONS PR170             GO END
ID-CONS TFLASTID     6                          LASTID
ID-CONS TFLASTNSN   13                          LASTNSN
ID-CONS TFTOTGOL     8Z                         TOTAL          GOL
ID-CONS TFTOTMO      8Z                         TOTAL          M/O
ID-CONS TFGAE/MFB    1        G                 G/M
ID-CONS TFFLLR      67
CONSRECIERTODAY                                          S
CONSRECIE1                                NR CONSL      50F
CONSRECIR1      TLASTID     1 1
CONSRECIR1      TLASTNSN    2
CONSRECIR1      TGAB/MFB    -
CONSRECIR1      TTOTGOL
CONSRECIR1      TTOTMO
CONSRECIR1      TFLLR
/*
//STP3 EXEC PGM=IERRCO00,REGION=150K
//SORTLIB DD DSNAME=SYS1.SORTLIB,DISP=SHR
//SORTIN DD DSN=HGMC1.LPS2.I4524.CONSWK,
//      DISP=OLD
//SORTWK01 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN)),SEP=SORTIN
//SORTWK02 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN,SORTWK01)),
//            SEP=(SORTIN,SORTWK01)
//SORTWK03 DD SPACE=(TRK,50),SEP=(SORTIN,SORTWK01,SORTWK02),
//            UNIT=(SYSDA,SEP=(SORTIN,SORTWK01,SORTWK02))
//SORTOUT DD DSN=HGMC1.LPS2.I4524.CONSWK1,
//      DISP=(,PASS,DELETE),
//      UNIT=SYSDA,
//      DCB=(RECFM=FB,LRECL=103,BLKSIZE=5150),
//      SPACE=(5150,(150,20),RLSE)
//SYSPRINT DD SYSOUT=A
//SYSOUT DD SYSOUT=A
//*  SORTS BY NSN
//SYSIN DD *
  SORT FIELDS=(7,13,CH,A)
/*
//STP4 EXEC PARKIV,IEFT=USER
```

Figure 1 (2 of 6)

```
//EXT.M4CLD IT DSN=M9MC1.MIS.CM4SWIK.MHIF,DISP=OLD
//EXT.M4CORE1 DD DSN=M9MC1.LPSE.I4524.CONSWK1,DISP=OLD     ANNEX I
//EXT.M4SUBF1 DD DSN=M9MC1.LPSE.I4524.CONSWK2,
//      DISP=(,PASS,DELETE),
//      UNIT=SYSDA,
//      DCB=(RECFM=FB,LRECL=103,BLKSIZE=5150),
//*     SPACE=(5150,(150,20),RLSE)
//EXT.M4INPUT DD *
STP4    RCMHIFSRS S E    S    $
STP4    RFEXFDCONESM4CORE1 NSN                          U
STP4    RFCONSWK2 SM4SUBF1
STP4    AA   ***************************************************/**
STP4    AA
STP4    AA   THIS STEP:  PROVIDES PREFERRED NSN'S,
STP4    AA                        UNIT PRICES,
STP4    AA                        CBT ESSENTIALITY CODES,
STP4    AA                        CONSUM/REPAIRABLE,
STP4    AA                        NOMENCLATURE DATA FROM MHIF.
STP4    AA
STP4    AA   ***************************************************
MHIF    ERTODAY                                                  Y
MHIF    PR     FECORD    EQCL                                  1 1
MHIF    PR               NS 500
MHIF    PR               R 1NSN                          TPREF-NSN
MHIF    PR               GO OUTPUT
MHIF    PR500  FECORD    EQCM                                  1 1
MHIF    PR510            R  PNSN                         TPREF-NSN 1138
MHIF    PR520            R  NOMEN                        TNOMEN
MHIF    PR525            R  CEC                          TCEC
MHIF    PR530   U/P      * D1                            TUNIT-PRC
MHIF    PR535   U/P      * D1                            TU/P
MHIF    AA
MHIF    AA   A RECOVERABILITY CODE OF D,F,H OR L INDICATES THE NSN IS A
MHIF    AA   REPAIRABLE,  ELSE IT IS ASSUMED A CONSUMABLE.
MHIF    AA
MHIF    PR540   RECOVCODEQCD
MHIF    PR550   RECOVCODEQCF
MHIF    PR560   RECOVCODEQCH
MHIF    PR570   RECOVCODEQCL
MHIF    PR580            NS OUTPUT
MHIF    PR590            R CR                            TCODE
MHIF    PR600            GO OUTPUT
MHIF    TFUNIT-PRC 1222     0
MHIF    TFPREF-NSN 13C
MHIF    TFCODE      1C      C                CONS/RPRL
MHIF    TFNOMEN    19C      NOT IN MHIF
MHIF    TFCEC       1C
MHIF    TFFLLR      1C
MHIF    TFU/P       5P2
MHIF    E1                                NR CONSWK2   58F
MHIF    R1      1IP-NO
MHIF    R1      1NSN
MHIF    R1      1GQB/NFB
MHIF    R1      1GCL-QTY
MHIF    R1      1MC-QTY
MHIF    R1      TUNIT-PRC
MHIF    R1      1RC/RLW
MHIF    R1      1OST
MHIF    R1      TPREF-NSN
MHIF    R1      TCEC
```

Figure 1 (3 of 6)

```
MMIF     R1      TELLR
MMIF     R1      TU/P
MMIF     R1      TCODE
MMIF     R1      TNOMEN
/*
//STP5 EXEC PGM=IERRCOBB,REGION=152K
//SORTLIB DD DSNAME=SYS1.SORTLIB,DISP=SHR
//SORTIN DD DSN=HSMC1.LPS2.I4524.CONSWK2,DISP=OLD
//SORTWK01 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN)),SEP=SORTIN
//SORTWK02 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN,SORTWK01)),
//           SEP=(SORTIN,SORTWK01)
//SORTWK03 DD SPACE=(TRK,50),SEP=(SORTIN,SORTWK01,SORTWK02),
//           UNIT=(SYSDA,SEP=(SORTIN,SORTWK01,SORTWK02))
//SORTOUT DD DSN=HSMC1.LPS2.I4524.CONSWK3,
//      DISP=(,PASS,DELETE),
//      UNIT=SYSDA,
//        DCB=(RECFM=FB,LRECL=103,BLKSIZE=5150),
//        SPACE=(5150,(150,20),RLSE)
//SYSPRINT DD SYSOUT=A
//SYSOUT DD SYSOUT=A
//*  SORTS BY PREFERRED MSN AND THEN BY ID NO.
//SYSIN DD *
  SORT FIELDS=(64,13,CH,A,1,6,CH,A)
/*
//STP6 EXEC MARKIV,DEPT=USER
//EXT.M4OLD DD DSN=HSMC1.LMIS.CHGDWIK.GABF,DISP=OLD
//EXT.M4CORD1 DD DSN=HSMC1.LPS2.I4524.CONSWK3,DISP=OLD
//EXT.M4SUBF1 DD DSN=HSMC1.LPS2.I4524.CONSWK4,
//      DISP=(,PASS,DELETE),
//      UNIT=SYSDA,
//      DCB=(RECFM=FB,LRECL=103,BLKSIZE=5150),
//      SPACE=(5150,(150,20),RLSE)
//EXT.M4INPUT DD *
STP6     RCGABFSASSS E    S   *
STP6     RFEXPDCONESM4CORD1 PNSN                    U
STP6     RFCONSWK4 SM4SUBF1
STP6     AA   ************************************************************
STP6     AA
STP6     AA   EXPANDS CONSLIST TO INCLUDE DATA FROM GABF:  UNIT PRICE
STP6     AA                                                 ORDER SHIP TM
STP6     AA                                                 RO
STP6     AA
STP6     AA   ************************************************************
EXP-CONSERTODAY                                                      Y
EXP-CONSPR      RECORD    EQCL                                     1 1
EXP-CONSPR                MS 100
EXP-CONSPR                GO OUTPUT
EXP-CONSPR100   RECORD    EQCM                                     1 1
EXP-CONSPR110             MS END
EXP-CONSPR120    U/P      * D1                          TUNIT-PRC
EXP-CONSPR130    RO       * D1                          TRO/ALW
EXP-CONSPR140             R CG                          TGAB/MFB
EXP-CONSPR150   DAYRECEP/  NOISTREC                     TOST
EXP-CONSTFUNIT-PRC 1232                  UNIT PRICE
EXP-CONSTFRO/ALW    192                  RO
EXP-CONSTFGAB/MFB    1C                  GABF          MFBF
EXP-CONSTFOST        5Z
EXP-CONSE1                           NR CONSWK4   SPF
EXP-CONSR1      1ID-NO
```

Figure 1 (4 of 6)

```
EXP-CONSR1      INSN
EXP-CONSR1      TGAB/MFB            ANNEX I
EXP-CONSR1      IQCL-QTY
EXP-CONSR1      IMC-QTY
EXP-CONSR1      TUNIT-PRC
EXP-CONSR1      TRD/ALW
EXP-CONSR1      TOST
EXP-CONSR1      IPNSN
EXP-CONSR1      ICEC
EXP-CONSR1      IFLLR
EXP-CONSR1      IU/P
EXP-CONSR1      ICODE
EXP-CONSR1      INOMEN
/*
//STP7 EXEC PGM=IEHPROGM,REGION=48K
//SYSPRINT DD SYSOUT=A
//DD1 DD UNIT=SYSDA,VOL=SER=SHRCAT,DISP=SHR
//SYSIN DD *
  UNCATLG DSNAME=HOMC1.LPS2.I4524.CONSII
/*
//STP8 EXEC MARKIV,DEPT=USER
//EXT.M4OLD DD DSN=HOMC1.LMIS.CHADWIK.MFBF,DISP=OLD
//EXT.M4CORI1 DD DSN=HOMC1.LPS2.I4524.CONSWK4,DISP=OLD
//EXT.M4SUBF1 DD DSN=HOMC1.LPS2.I4524.CONSII,
//      DISP=(,CATLG,DELETE),
//      UNIT=2400-3,
//      DCB=(RECFM=FB,LRECL=103,BLKSIZE=5150)
//EXT.M4INPUT DD *
STP7     PGMFBF-SUBS B    S    #
STP7     RFEXFDCONSEM4CORDI PNSN                        U
STP7     RFMFBFCONSSM4SUBF1
STP7     AA   ************************************************************
STP7     AA
STP7     AA   EXPANDS .CONSLIST WITH DATA FROM MFBF:  UNIT PRICE
STP7     AA                                           TOTAL ALLOWANCE
STP7     AA                                           ORDER SHIP TIME
STP7     AA
STP7     AA   ************************************************************
MFB-CONSERTOIAY
MFB-CONSPR      RECORD    EOCL                                        1 1
MFB-CONSPR                NS 500
MFB-CONSPR                R 1GAB/MFB                    TGAB/MFB
MFB-CONSPR                R 1UNIT-PRC                   TUNIT-PRC
MFB-CONSPR                R 1RD/ALW                     TRD/ALW
MFB-CONSPR                R 1OST                        TOST
MFB-CONSPR                GO OUTPUT
MFB-CONSFRS00   RECORD    EOCM                                        1 1
MFB-CONSFRS10             R CM                          TGAB/MFB
MFB-CONSFRS20    U/P      * D1                          TUNIT-PRC
MFB-CONSFRS30    TOT-ALW  * D1                          TRD/ALW
MFB-CONSFRS40    OST      * D1                          TOST
MFB-CONSTFCDE/MFB    1C                    (G) GABF     (M) MFBF
MFB-CONSTFUNIT-PRC 1222                    UNIT         PRICE
MFB-CONSTFRD/ALW     182                   REG. OBJ /   TOT. ALLOW.
MFB-CONSTFOST         52
MFB-CONSE1                              NF MFBFCONS  EOF
MFB-CONSR1      111-MO

MFB-CONSR1      INSN
MFB-CONSR1      TGAB/MFB
```

Figure 1 (5 of 6)

```
MFE-CONSP1      1GOL-QTY
MFB-CONSR1      1MO-QTY
MFE-CONSR1      TUNIT-PRC
MFE-CONSR1      TRO/ALW
MFB-CONSR1      TOST
MFE-CONSR1      1PMSN
MFB-CONSR1      1CEC
MFB-CONSR1      1FLLR
MFB-CONSR1      1U/P
MFB-CONSR1      1CODE
MFB-CONSR1      1NOMEN
MFE-CONSE2
MFB-CONSR2      1IB-NO      1 1
MFB-CONSR2      1NSN        2
MFB-CONSR2      1NOMEN
MFB-CONSR2      1CODE
MFB-CONSR2      TGAB/MFB
MFB-CONSR2      1GOL-QTY
MFB-CONSR2      1MO-QTY
MFB-CONSR2      TUNIT-PRC
MFB-CONSR2      TRO/ALW
MFB-CONST2    CHECK OF HQMC1.LPS2.I4524.CONSII8
MFB-CONST2    AFTER CORDING AGAINST:  MHIF / GABF / MFBFB
/*
```

Figure 1 (6 of 6)

```
/*TAPE=2
//14524C02 JOB (661R,LMP3,200,20),'41777 CHADWICK',TIME=10   ANNEX I
/*ROUTE  PRINT LOCAL
//* ************************************************************
//* *                                                          *
//* *  * * *  PGM:  FACTOR-1  * * *                           *
//* *                                                          *
//* *      THIS PROGRAM IS USED IN DETERMINED THE NUMBER OF SECREP   *
//* *  REMOVAL AND REPLACEMENTS CONDUCTED (BY NSN/BY END ITEM).      *
//* *  INITIALLY THIS PGM IS EXECUTED WITH ONLY AN END ITEM SELECTION *
//* *  LIST.  AS SECREP NSN'S ARE IDENTIFIED, THE PGM IS ITERATIVELY  *
//* *  RUN INCLUDING THE NEW SECREP NSN LIST.  THE REPORT PRODUCED    *
//* *  PROVIDES:                                                      *
//* *                                                                 *
//* *          1.  THE NUMBER OF REPAIRS (EROS) FOR EACH END ITEM     *
//* *              AND SECREP                                         *
//* *                                                                 *
//* *          2.  THE NUMBER OF SECREP REMOVALS FOR EACH SECREP NSN  *
//* *              FROM EACH END ITEM                                 *
//* *                                                                 *
//* *                                                                 *
//* *  INPUT FILES:  1.  DSN=HQMC1.LMIS.CHADWIK.HISTORY               *
//* *                    FD: PROV-SDY                                 *
//* *                                                                 *
//* *  OUTPUT FILES: NONE                                             *
//* *                                                                 *
//* ************************************************************
//STP1 EXEC MARKIV,DEPT=USER
//EXT.M4OLD DD DSN=HQMC1.LMIS.CHADWIK.HISTORY,DISP=OLD
//EXT.M4INPUT DD *
STP1    RCPROV-SDYS U   S   8
SEC-REPSERTODAY
SEC-REPSAA
SEC-REPSAA   THIS SECTION SELECTS EROS OPENED UP ON END ITEM IDS
SEC-REPSAA
SEC-REPSPR       ID-NO   EQC87784A
SEC-REPSPR       ID-NO   EQC87838A
SEC-REPSPR       ID-NO   EQC87664A
SEC-REPSPR       ID-NO   EQC87116E
SEC-REPSPR       ID-NO   EQC87628A
SEC-REPSPR       ID-NO   EQC87459A
SEC-REPSPR       ID-NO   EQC87638M
SEC-REPSPR       ID-NO   EQC82636E
SEC-REPSPR       ID-NO   EQC864164A
SEC-REPSPR       ID-NO   EQC86824A
SEC-REPSPR       ID-NO   EQC86828E
SEC-REPSPR       ID-NO   EQC87475A
SEC-REPSPR       ID-NO   EQC87476A
SEC-REPSPR       ID-NO   EQC87477A
SEC-REPSPR       ID-NO   EQC87528A
SEC-REPSPR       ID-NO   EQC87536A
SEC-REPSPR       ID-NO   EQC87579A
SEC-REPSPR       ID-NO   EQC87581A
SEC-REPSPR       ID-NO   EQC87623A
SEC-REPSPR       ID-NO   EQC87632A
SEC-REPSPR       ID-NO   EQC87661A
SEC-REPSPR       ID-NO   EQC87665A

SEC-REPSPR       ID-NO   EQC87666A
SEC-REPSPR       ID-NO   EQC87673A
```

Figure 2(1 of 2)

```
SEC-REPSPR       ID-NO    EQC076796
SEC-REPSPR       II-NO    EQC076946
SEC-REPSPR       II-NO    EQC076956
SEC-REPSPR       II-NO    EQC077116
SEC-REPSPR       II-NO    EQC077166
SEC-REPSPR       II-NO    EQC077176
SEC-REPSPR                NS 100
SEC-REPSPR                R CEND-ITM                          TINDENT
SEC-REPSPR                GO 500
SEC-REPSAA
SEC-REPSAA    THIS SECTION SELECTS ERDS OPENED UP ON SECREP NSNS
SEC-REPSAA    I.E. NSNS IDENTIFIED DURING PREVIOUS RUNS OF THE PGM
SEC-REPSAA
SEC-REPSPR100    NSN      EQC291000255724
SEC-REPSPR120    NSN      EQC292000678165
SEC-REPSPR120    NSN      EQC292000892483
SEC-REPSPR120    NSN      EQC502000453670
SEC-REPSPR120    NSN      EQC522000456245
SEC-REPSPR120    NSN      EQC562000483591
SEC-REPSPR120    NSN      EQC562001014258
SEC-REPSPR120    NSN      EQC596500269
SEC-REPSPR130    NSN      EQC611000435
SEC-REPSPR120    NSN      EQC539500
SEC-REPSPR120    NSN      EQC564200
SEC-REPSPR130    NSN      EQC584000
SEC-REPSPR260             NS END
SEC-REPSPR270             R CSEC-REP-1                        TINDENT
SEC-REPSPR500             GO SUB ERD-HIST
SEC-REPSAA
SEC-REPSAA    IT IS ASSUMED THAT PART NSNS WITH AN ADVICE CODE OF
SEC-REPSAA    F1 THRU F6 ARE REPAIRABLES
SEC-REPSAA
SEC-REPSPR510    ADV      GECF1
SEC-REPSPR520 A ADV       LECF6
SEC-REPSPR530             R  PART-NSN                         TSEC-REP
SEC-REPSPR540             R  NSN                              TREM-FROM
SEC-REPSTFSEC-REP  13C                        SEC-REP         NSN
SEC-REPSTFREM-FROM 13C                        REMOVED FROM    NSN
SEC-REPSTFINDENT   10C                        INDENTURE       LEVEL
SEC-REPSE1Y
SEC-REPSR1      TINDENT     1 1P
SEC-REPSR1      TSEC-REP    2 2
SEC-REPSR1      TREM-FROM   3 3
SEC-REPSR1       ID-NO        3
SEC-REPSR1       ERD               3
SEC-REPST1    HQMC PROVISIONING REVIEW STUDY
SEC-REPST1    LIST OF SEC-REP/REMOVED FROM RELATIONSHIPS
ERD-HISTER                                                S
ERD-HISTE1Y
ERD-HISTR1      TINDENT     1 1P
ERD-HISTR1       ID-NO      2 2
ERD-HISTR1       NSN        3 3
ERD-HISTR1       ERD              3
ERD-HISTR1    IS PART-CNT       3
ERD-HISTT1    HQMC PROVISIONING REVIEW STUDY
ERD-HISTT1    ERD HISTORY OF ERDS MEETING ID-NO/NSN SELECTION CRITERIA
/*
```

Figure 2 (2 of

ANNEX I

```
/*TAPE=4
//I4524CB2 JOB (6C1R,LMP3,200,20),'41777 CHADWICK',TIME=12
/*ROUTE  PRINT LOCAL
//* ************************************************************
//* *                                                          *
//* *  * * *  PGM: EROSUB-1  * * *                             *
//* *                                                          *
//* *                                                          *
//* *       THIS PROGRAM EXTRACTS SELECTED FIELDS FROM THE MIMMS ERC   *
//* *  RECORDS OPENED ON ONE OF A SELECTED LIST OF END ITEMS.  A       *
//* *  SUBFILE IS CREATED CONTAINING A RECORD FOR EACH PART            *
//* *  REQUISITIONED IN EACH OF THE SELECTED EROS.  A DATE DIFFERENCE  *
//* *  COMPUTATION IS USED TO DETERMINE THE TIME AWAITING EACH PART    *
//* *  ORDERED.  PARTS IN WHICH THE DATE RECEIVED FIELD IS EQUAL TO    *
//* *  '9999' ARE CONSIDERED INVALID.  THE PART NSN IS ALSO CHECKED    *
//* *  FOR NON-NUMERIC ENTRIES WHICH IF FOUND ARE FLAGGED.             *
//* *                                                          *
//* *                                                          *
//* *  INPUT FILE:  DSN=HSMC1.LMIS.CHADWIK.HISTORY             *
//* *               FD:   PROV=SDY                             *
//* *                                                          *
//* *                                                          *
//* *  OUTPUT FILE:  DSN=HSMC1.LPS2.I4524.EROSK1               *
//* *                                                          *
//* *                                                          *
//* ************************************************************
//STP1 EXEC MARK4V,DEPT=USER.REGION.EXT=150K
//EXT.M4OLD DD DSN=FIS52.MAIL.MIMMS.HISTORY,DISP=OLD,
//      UNIT=2400-3,VOL=SER=FS5391,
//      DCB=(RECFM=VB,LRECL=5325,BLKSIZE=18456)
//EXT.M4SUBF1 DD DSN=HSMC1.LPS2.I4524.EROSUBFT,
//      DISP=(,PASS,DELETE),
//      UNIT=SYSDA,
//      DCB=(RECFM=FB,LRECL=90,BLKSIZE=900),
//      SPACE=(TRK,(150,20),RLSE)
//EXT.M4INPUT DD *
STP1     RCPROV-SDYS U   S   #      Y
STP1     RFEROSUBF SM4SUBF1
STP1     RPFREESIZE2K
STP1     AA   ************************************************
STP1     AA   THIS STP PRODUCES A SUBFILE OF THE MIMMS ERO HIST FILE
STP1     AA   WITH 1 RECORD PER PART REQUISITIONED.
STP1     AA   ************************************************
EROSUBFTERTDIAY
EROSUBFTPR       II-NO    E9C876754
EROSUBFTPR       II-NO    E9C876844
EROSUBFTPR       II-NO    E9C876934
EROSUBFTPR       II-NO    E9C877114
EROSUBFTPR       II-NO    E9C877164
EROSUBFTPR       II-NO    E9C877174
EROSUBFTPR       II-NO    E9C877194
EROSUBFTPR       II-NO    E9C877264
EROSUBFTPR       II-NO    E9C877274
EROSUBFTPR       II-NO    E9C877284
EROSUBFTPR       II-NO    E9C877354
EROSUBFTPR       II-NO    E9C877624
EROSUBFTPR       II-NO    E9C877644

EROSUBFTPR       II-NO    E9C876554
EROSUBFTPR       II-NO    E9C877324
```

Figure 3 (1 of 3)

```
ERDSUBFTPR       II-NO    E9C9653SE    ANNEX I
ERDSUBFTPR       II-NO    E9C97S18A
ERDSUBFTPR                NS ENI
ERDSUBFTPR                R  ID-NO                                  TID-NO
ERDSUBFTPR                R D1.0                                    TFACTOR
ERDSUBFTPR                R CEE                                     TERD-TYPE
ERDSUBFTPR050    P-QTY    * TFACTOR                                 TPARTQTY
ERDSUBFTAA
ERDSUBFTAA    EACH POSITION OF THE NSN IS SCANNED FOR NON-NUMERICS.
ERDSUBFTAA    IF A NON-NUMERIC IS FOUND THE PART-NSN IS FLAGGED AS BEING
ERDSUBFTAA    A NON-NSN.
ERDSUBFTAA
ERDSUBFTPR051             R CX                                      TPARTQUAL
ERDSUBFTPR052    PART-NSNGEC0                                              1 1
ERDSUBFTPR053 A  PART-NSNGEC0                                              2 1
ERDSUBFTPR054 A  PART-NSNGEC0                                              3 1
ERDSUBFTPR055 A  PART-NSNGEC0                                              4 1
ERDSUBFTPR056 A  PART-NSNGEC0                                              5 1
ERDSUBFTPR057 A  PART-NSNGEC0                                              6 1
ERDSUBFTPR058 A  PART-NSNGEC0                                              7 1
ERDSUBFTPR059 A  PART-NSNGEC0                                              8 1
ERDSUBFTPR060 A  PART-NSNGEC0                                              9 1
ERDSUBFTPR061 A  PART-NSNGEC0                                             10 1
ERDSUBFTPR062 A  PART-NSNGEC0                                             11 1
ERDSUBFTPR063 A  PART-NSNGEC0                                             12 1
ERDSUBFTPR064 A  PART-NSNGEC0                                             13 1
ERDSUBFTPR065 A  PART-NSNLEC9                                              1 1
ERDSUBFTPR066 A  PART-NSNLEC9                                              2 1
ERDSUBFTPR067 A  PART-NSNLEC9                                              3 1
ERDSUBFTPR068 A  PART-NSNLEC9                                              4 1
ERDSUBFTPR069 A  PART-NSNLEC9                                              5 1
ERDSUBFTPR070 A  PART-NSNLEC9                                              6 1
ERDSUBFTPR071 A  PART-NSNLEC9                                              7 1
ERDSUBFTPR072 A  PART-NSNLEC9                                              8 1
ERDSUBFTPR073 A  PART-NSNLEC9                                              9 1
ERDSUBFTPR274 A  PART-NSNLEC9                                             10 1
ERDSUBFTPR375 A  PART-NSNLEC9                                             11 1
ERDSUBFTPR076 A  PART-NSNLEC9                                             12 1
ERDSUBFTPR077 A  PART-NSNLEC9                                             13 1
ERDSUBFTPR078             NS 100
ERDSUBFTPR079             R CH                                      TPARTQUAL
ERDSUBFTAA
ERDSUBFTAA    FOR 'VALID' PARTS THE TIME FROM THE DATE ORDERED TO
ERDSUBFTAA    THE DATE RECEIVED IS COMPUTED.
ERDSUBFTAA
ERDSUBFTPR120    DOC-NO   E9C8                                              6 1
ERDSUBFTPR1181   DOC-NO   E9C9                                              6 1
ERDSUBFTPR1191   DOC-NO   E9C8                                              6 1
ERDSUBFTPR120 A  DATERECDNEC9999
ERDSUBFTPR130    DOC-NO   * D1                                      TDATEORD  6 0
ERDSUBFTPR140  TDATEOFI LTI9000
ERDSUBFTPR150181A DATERECDLTI9000
ERDSUBFTPR1501ATDATEOFI GTI9000
ERDSUBFTPR150181A DATERECDGTI9000
ERDSUBFTPR160  TI-TEOFI GTI9000
ERDSUBFTPR170181A DATERECDGTI9000
ERDSUBFTPR172  TDATEOFI LTI1000
ERDSUBFTPR174181A DATERECDLTI1000
ERDSUBFTPR180             NS 500
```

Figure 3 (2 of 3)

```
ERDSUBFTRR199    DATERECD- TDATEORD                          TDATEDIFF
ERDSUBFTRR200              GO OUTPUT        ANNEX I
ERDSUBFTRR586    DATERECD- TDATEORD                          TDATEDIFF
ERDSUBFTRR510  TDATEDIFF- 1635                               TDATEDIFF
ERDSUBFTTFDATERCD    42                        DATE PART     ORDERED
ERDSUBFTTFDATEDIFF   42                        ERD DATE      DIFFERENCE
ERDSUBFTTFPARTQUAL   1                         (X) NON-NSN   (N) NSN
ERDSUBFTTFPARTQTY    822                       PART          QTY
ERDSUBFTTFMHIF-A    13C                        MHIF          DATA
ERDSUBFTTFMHIF-B    25C
ERDSUBFTTFFACTOR     825

ERDSUBFTTFID-NO      6C
ERDSUBFTTFTEXF      28C
ERDSUBFTTFERD-TYPE   2C                         (EE) END ERD  (SE) SEC ERD
ERDSUBFTE1Y                                    ERDSUBF   18F
ERDSUBFTR1       PART-NSN          1
ERDSUBFTR1      TPARTQUAL
ERDSUBFTR1      TPARTQTY
ERDSUBFTR1       NORS
ERDSUBFTR1      TDATEDIFF
ERDSUBFTR1       ERD
ERDSUBFTR1       ID-NO      1 1
ERDSUBFTR1       SER-NO
ERDSUBFTR1       QTY
ERDSUBFTR1      TMHIF-A
ERDSUBFTR1      TERD-TYPE
ERDSUBFTR1      TMHIF-B
/*
```

Figure 3 (3 of 3)

```
/*TAPE=3
//I4524C82 JOB (6218,LMP3.256,20),'41777 CHADWICK',TIME=15   ANNEX I
/*ROUTE  PRINT LOCAL
//* ************************************************************
//*  *                                                         *
//*  *  * * *  PGM: ERDSUB-2  * * *                           *
//*  *                                                         *
//*  *       THIS PROGRAM CREATES A SUBFILE FROM THE MIMMS ERD HISTORY *
//*  *  FILE SIMILAR TO THE PROCESS DESCRIBED FOR PGM: ERDSUB-1.       *
//*  *  HOWEVER THIS PGM SELECTS THOSE ERDS OPENED ON A SELECT LIST    *
//*  *  OF SECREP NSN'S.                                               *
//*  *       THE PART QUANTITIES EXTRACTED FROM THE MIMMS SYSTEM ARE   *
//*  *  FACTORED AS DESCRIBED IN ANNEX H SECT.3.    THE MARK4 TABLE    *
//*  *  II-FCTR IS USED TO PROVIDE THE PART QTY FACTOR AND ALSO THE    *
//*  *  END ITEM ID NUMBER TO WHICH THE FACTORED SECREP QUANTITY       *
//*  *  SHOULD BE APPLIED.                                             *
//*  *                                                                 *
//*  *                                                                 *
//*  *  INPUT FILE:  DSN=HQMC1.LMIS.CHADWIK.HISTORY                    *
//*  *               FD:  PROV-SDY                                     *
//*  *                                                                 *
//*  *                                                                 *
//*  *  OUTPUT FILE:  DSN=HQMC1.LPS2.I4524.ERDWK2                      *
//*  *                                                                 *
//*  *                                                                 *
//* ************************************************************
//STP1 EXEC MARKIV,IEFT=USER,REGION.EXT=150K
//EXT.M4OLD DD DSN=HQMC1.LMIS.CHADWIK.HISTORY,DISP=OLD
//EXT.M4SUBF1 DD DSN=HQMC1.LPS2.I4524.ERDSUBFT,
//      DISP=(,PASS,DELETE),
//      UNIT=SYSDA,
//      DCB=(RECFM=FB,LRECL=90,BLKSIZE=900),
//      SPACE=(TRK,(150,20),RLSE)
//EXT.M4INPUT DD *
STP1     RCPROV-SDYS U   S   E      Y
STP1     RFERDSUBF SM4SUBF1
STP1     RPFREESIZE2K
STP1     AA   ************************************************************
STP1     AA   THIS PGM PRODUCES A SUBFILE OF THE MIMMS ERD HIST FILE
STP1     AA   WITH 1 RECORD PER PART REQUISITIONED
STP1     AA   THIS VERSION OF THE PROGRAM SELECTS ERD'S OPENED UP ON
STP1     AA   SECREPS.  THE SECREP NSN'S WERE IDENTIFIED IN THE
STP1     AA   PREVIOUS FACTOR DETERMINATION PHASE AND THE SECREP NSN'S
STP1     AA   ARE PUT INTO A NSN SELECTION LIST HERE.
STP1     AA   ************************************************************
ERDSUBFTERTODAY
ERDSUBFTPR824   NSN      E9C8528801284258A
ERDSUBFTPR825   NSN      E9C2285819117285T
ERDSUBFTPR826   NSN      E9C2285819285492
ERDSUBFTPR827   NSN      E9C8528819181682
ERDSUBFTPR828   NSN      E9C8528807411078
ERDSUBFTPR829   NSN      E9C8519819037864
ERDSUBFTPR822   NSN      E9C2529882256545
ERDSUBFTPR833   NSN      E9C8938819835465
ERDSUBFTPR834   NSN      E9C8538819818785
ERDSUBFTPR835   NSN      E9C8119881911784
ERDSUBFTPR836   NSN      E9C8528881781150
ERDSUBFTPR849            MS ENI
ERDSUBFTPR85E   NSN      TLLII-FCTR                          TTEMF
ERDSUBFTAA
```

Figure 4 (1 of 3)

```
ERDSUBFTAA   THE TABLE II-FCTR PROVIDES THE END ITEM II NUMBER TO WHICH
ERDSUBFTAA   SECREP PART USAGE IS TO BE ATTRIBUTED TO AND ALSO THE
ERDSUBFTAA   EXCAT FACTOR WHICH ACCOUNTS FOR THE COMMONALITY EFFECT
ERDSUBFTAA   OF PARTICULAR SEC REPS. (SEE ANNEX H )
ERDSUBFTAA
ERDSUBFTPR051  TTEMP     R                                  TID-NO     1 6A
ERDSUBFTPR052  TTEMP     * D1                               TFACTOR   11 7A
ERDSUBFTPR053            R CSE                              TERD-TYPE
ERDSUBFTPR054   P-QTY     * TFACTOR                          TPARTQTY
ERDSUBFTPR055            R CX                               TPARTQUAL
ERDSUBFTPR056   PART-NSNSECR                                          1 1
ERDSUBFTPR057 A PART-NSNSECR                                          2 1
ERDSUBFTPR058 A PART-NSNSECR                                          3 1
ERDSUBFTPR059 A PART-NSNSECR                                          4 1
ERDSUBFTPR060 A PART-NSNSECR                                          5 1
ERDSUBFTPR061 A PART-NSNSECR                                          6 1
ERDSUBFTPR062 A PART-NSNSECR                                          7 1
ERDSUBFTPR063 A PART-NSNSECR                                          8 1
ERDSUBFTPR064 A PART-NSNSECR                                          9 1
ERDSUBFTPR065 A PART-NSNSECR                                         10 1
ERDSUBFTPR066 A PART-NSNSECR                                         11 1
ERDSUBFTPR067 A PART-NSNSECR                                         12 1
ERDSUBFTPR068 A PART-NSNSECR                                         13 1
ERDSUBFTPR069 A PART-NSNLECS                                          1 1
ERDSUBFTPR070 A PART-NSNLECS                                          2 1
ERDSUBFTPR071 A PART-NSNLECS                                          3 1
ERDSUBFTPR072 A PART-NSNLECS                                          4 1
ERDSUBFTPR073 A PART-NSNLECS                                          5 1
ERDSUBFTPR074 A PART-NSNLECS                                          6 1
ERDSUBFTPR075 A PART-NSNLECS                                          7 1
ERDSUBFTPR076 A PART-NSNLECS                                          8 1
ERDSUBFTPR077 A PART-NSNLECS                                          9 1
ERDSUBFTPR078 A PART-NSNLECS                                         10 1
ERDSUBFTPR079 A PART-NSNLECS                                         11 1
ERDSUBFTPR080 A PART-NSNLECS                                         12 1
ERDSUBFTPR081 A PART-NSNLECS                                         13 1
ERDSUBFTPR082            NS 100
ERDSUBFTPR083            R CN                               TPARTQUAL
ERDSUBFTPR100   DOC-NO   E0C0                                        6 1
ERDSUBFTPR1101  DOC-NO   E0C0                                        5 1
ERDSUBFTPR1151  DOC-NO   E0D0                                        6 1
                                                                     ---
ERDSUBFTPR120 A DATERECDAEC9999                                      ---
ERDSUBFTPR130   DOC-NO   * D1                               TDATEORD   6 4
ERDSUBFTPR140  TDATEORI LTI9900
ERDSUBFTPR1501A DATERECDLTI9900
ERDSUBFTPR1521ATDATEORI CTI9000
ERDSUBFTPR1541A DATERECDCTI9000
ERDSUBFTPR160  TDATEORI CTI9000
ERDSUBFTPR1701A DATERECDCTI9900
ERDSUBFTPR172  TDATEORI LTI1060
ERDSUBFTPR1741A DATERECDLTI1000
ERDSUBFTPR180            NS 500
ERDSUBFTPR190   DATERECD- TDATEORI                          TDATEDIFF
ERDSUBFTPR200            CO OUTPUT
ERDSUBFTPR202   DATERECD- TDATEORI                          TDATEDIFF
ERDSUBFTPR210  TDATEDIFF- I4S5                              TDATEDIFF
ERDSUBFTTFDATECRD   42                    DATE PART         DATEREC
ERDSUBFTTFDATEDIFF  42                    ERD DATE          DIFFERENCE
ERDSUBFTTFPARTQUAL  1                     (X) NON-NSN       (N) NSN
ERDSUBFTTFPARTQTY   922                   PART              QTY
```

Figure 4 (2 of 3)

```
ERDSUBFTTFMHIF-A    12C          ANNEX I          MHIF            DATA
ERDSUBFTTFMHIF-B    25C
ERDSUBFTTFFACTOR     32C
ERDSUBFTTFID-NO      6C
ERDSUBFTTFTEMP      28C
ERDSUBFTTFERD-TYPE   2C                          (EE) END ERD  (SE) SEC ERD
ERDSUBFTEIY                                     ERDSUBF   18F
ERDSUBFTR1        PART-NSN          1
ERDSUBFTR1      TPARTQUAL
ERDSUBFTR1      TPARTQTY
ERDSUBFTR1        NORS
ERDSUBFTR1      TDATEDIFF
ERDSUBFTR1        ERD
ERDSUBFTR1      TID-NO       1 1
ERDSUBFTR1        SER-NO
ERDSUBFTR1        QTY
ERDSUBFTR1      TMHIF-A
ERDSUBFTR1      TERD-TYPE
ERDSUBFTR1      TMHIF-B
/*
```

Figure 4 (3 of 3)

```
//*TAPE=4
//I4524C12 JOB (6616,LMPS,228,10),'[illegible] CH-IVICK',TIME=13
//*ROUTE  PRINT LOCAL
//*********************************************************************
//*                                                                   *
//*  * * *  PGM: ERCSUB-X  * * *                                     *
//*                                                                   *
//*       THIS PROGRAM DOCUMENTS THE PROCEDURE TO SUBFILE             *
//*  BY THE PART NSN.  THE PGM THEN EXTRACTS DATA FROM THE MASTER     *
//*  HEADER INFORMATION FILE WHT PREFERRED NSN'S, NOMENCLATURE, UNIT  *
//*  PRICE AND WHETHER THE PART IS CONSUMABLE OR REPAIRABLE.          *
//*                                                                   *
//*                                                                   *
//*                                                                   *
//*  INPUT FILES:  1. DSN=HGMC1.LPS2.I4524.ERCWK11                   *
//*                   FD:  ERC-SUBF                                   *
//*                                                                   *
//*                2. DSN=HGMC1.LPS2.I4524.ERCWK2                     *
//*                                       .ERCWK3                     *
//*                                       .ERCWK4                     *
//*                                       .ERCWK5                     *
//*                   FD:  ERC-SUBF                                   *
//*                                                                   *
//*               3.  DSN=HGMC1.LMIS.CHAIVIK.MHIF                     *
//*                   FD:  MHIFSAS                                    *
//*                                                                   *
//*  OUTPUT FILE:     DSN=HGMC1.LPS2.I4524.ERCII                      *
//*                                                                   *
//*********************************************************************
//CNT1 EXEC PGM=IEBGENER,REGION=90K
//SYSOUT DD SYSOUT=A
//SYSPRINT DD SYSOUT=A
//SYSIN DD DUMMY
//SYSUT1 DD DSN=HGMC1.LPS2.I4524.ERCWK1,DISP=OLD
//        DD DSN=HGMC1.LPS2.I4524.ERCWK2,DISP=OLD
//        DD DSN=HGMC1.LPS2.I4524.ERCWK3,DISP=OLD
//SYSUT2 DD DSN=HGMC1.LPS2.I4524.ERCSUBFX,
//      DISP=(,PASS,DELETE),
//      DCB=(RECFM=FB,LRECL=90,BLKSIZE=900),
//      UNIT=2400-3
//CNT2 EXEC PGM=IEBGENER,REGION=90K
//SYSOUT DD SYSOUT=A
//SYSPRINT DD SYSOUT=A
//SYSIN DD DUMMY
//SYSUT1 DD DSN=HGMC1.LPS2.I4524.ERCSUBFX,DISP=OLD
//        DD DSN=HGMC1.LPS2.I4524.ERCWK4,DISP=OLD
//        DD DSN=HGMC1.LPS2.I4524.ERCWK5,DISP=OLD
//SYSUT2 DD DSN=HGMC1.LPS2.I4524.ERCSUBFT,
//      DISP=(,PASS,DELETE),
//      DCB=(RECFM=FB,LRECL=90,BLKSIZE=900),
//      UNIT=2400-3
//SRT1 EXEC PGM=IERRCO00,REGION=150K
//SORTLIB DD DSNAME=SYS1.SORTLIB,DISP=SHR
//SORTIN DD DSN=HGMC1.LPS2.I4524.ERCSUBFT,
//      DISP=OLD
//SORTWK01 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN)),SEP=SORTIN

//SORTWK02 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN,SORTWK01)),
//             SEP=(SORTIN,SORTWK01)
```

Figure 5

```
//SORTWK03 DD SPACE=(TRK,50),SEP=(SORTIN,SORTWK01,SORTWK02),
//            UNIT=(SYSDA,SEP=(SORTIN,SORTWK01,SORTWK02))
//SORTOUT DD DSN=MGMC1.LPS2.I4524.ERGSWK1,
//      DISP=(,PASS,DELETE),
//      UNIT=2400-3,
//      DCB=(RECFM=FB,LRECL=50,BLKSIZE=500)
//SYSPRINT DD SYSOUT=A
//SYSOUT DD SYSOUT=A
//*  THIS STEP SORTS BY: PART-NSN
//SYSIN DD *
  SORT FIELDS=(1,13,CH,A)
/*
//STP1 EXEC MARKIV,DEPT=USER
//EXT.M4OLD DD DSN=MGMC1.LMIS.CHADWIK.MHIF,DISP=OLD
//EXT.M4CORD1 DD DSN=MGMC1.LPS2.I4524.ERGSWK1,DISP=OLD
//EXT.M4SUBF1 DD DSN=MGMC1.LPS2.I4524.ERGSWK2,
//         DISP=(,PASS),
//         UNIT=2400-3,
//         DCB=(RECFM=FB,LRECL=90,BLKSIZE=900)
//EXT.M4INPUT DD *
STP1     RCMMHIFSAS S E   S   *
STP1     RFERGWK2  EM4SUBF1
STP1     RFERG-SUBFSM4CORD1 PART-NSN                    U
STP1     AA   ************************************************************
STP1     AA
STP1     AA
STP1     AA   THIS STP EXTRACTS DATA FROM THE MHIF FOR EACH NSN IN THE
STP1     A    ERG SUBFILE. MHIF DATA INCLUDES: PNSN, NOMEN, CODE,
STP1     AA   UNIT-PRICE.
STP1     AA   ************************************************************
MHIFSTP ERICDAY                                                        Y
MHIFSTP PR     FECORD   EPCL                                          1 1
MHIFSTP PR              NS 500
MHIFSTP PR              R 1PART-NSN                          TPNSN
MHIFSTP PR              GO OUTPUT
MHIFSTP PR500  FECORD   EPCM                                          1 1
MHIFSTP PR510           NS END
MHIFSTP PR520           R  PNSN                              TPNSN     113E
MHIFSTP PR530           R  NOMEN                             TNOMEN
MHIFSTP PR540           R  U/P                               TU/P
MHIFSTP AA
MHIFSTP AA   IT IS ASSUMED THAT IF THE RECOVERABILITY CODE IS D,F,H OR L
MHIFSTP AA   THAT THE NSN IS A REPAIRABLE,  ELSE IT IS ASSUMED A
MHIFSTP AA   CONSUMABLE.
MHIFSTP AA
MHIFSTP PR550   RECOVCODEPCD
MHIFSTP PR560   RECOVCODEPCF
MHIFSTP PR570   RECOVCODEPCH
MHIFSTP PR580   RECOVCODEPCL
MHIFSTP PR590           NS OUTPUT
MHIFSTP PR600           R CR                                 TCODE
MHIFSTP PR610           GO OUTPUT
MHIFSTP TFPNSM      13C
MHIFSTP TFU/P        5F2      0
MHIFSTP TFCODE       1C       C
MHIFSTP TFNOMEN     19C       NOT IN MHIF
MHIFSTP E1Y                                  ERGWK2    18F
MHIFSTP R1      1PART-NSN         1
MHIFSTP R1      1PARTQUAL
```

Figure 5 (2 of 3)

```
MHIFSTP R1      1MIL-STD
MHIFSTP R1      1INCRS                  ANNEX I
MHIFSTP R1      1DATEDIFF
MHIFSTP R1      1EPD
MHIFSTP R1      1II-NO      1 1
MHIFSTP R1      1SER-NO

MHIFSTP R1      1QTY
MHIFSTP R1      TPASR
MHIFSTP R1      1ERO-TYPE
MHIFSTP R1      TU/P
MHIFSTP R1      TCODE
MHIFSTP R1      THOMEN
/*
//STP2 EXEC PGM=IEHPROGM,REGION=49K
//SYSPRINT DD SYSOUT=A
//DD1 DD UNIT=SYSDA,VOL=SER=SMRCAT,DISP=SHR
//SYSIN DD *
 UNCATLG DSNAME=HQMC1.LPS2.I4524.ERDII
/*
//SORT EXEC PGM=IERRCOOO,REGION=152K
//SORTLIB DD DSNAME=SYS1.SORTLIB,DISP=SHR
//SORTIN DD DSN=HQMC1.LPS2.I4524.ERDSWK2,
//      DISP=OLD
//SORTWK01 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN)),SEP=SORTIN
//SORTWK02 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN,SORTWK01)),
//            SEP=(SORTIN,SORTWK01)
//SORTWK03 DD SPACE=(TRK,50),SEP=(SORTIN,SORTWK01,SORTWK02),
//            UNIT=(SYSDA,SEP=(SORTIN,SORTWK01,SORTWK02))
//SORTOUT DD DSN=HQMC1.LPS2.I4524.ERDII,
//      DISP=(,CATLG,DELETE),
//      UNIT=2400-3,
//      DCB=(RECFM=FB,LRECL=90,BLKSIZE=900)
//SYSPRINT DD SYSOUT=A
//SYSOUT DD SYSOUT=A
//*  THIS STEP SORTS BY:ID-NO/SER-NO/ERO-TYPE/ERO/CODE
//SYSIN DD *
 SORT FIELDS=(33,6,CH,A,39,18,CH,A,64,2,CH,A,28,5,CH,A,71,1,CH,A)
/*
```

Figure 5 (3 of 3)

```
/*TAPE=2
//I4524C12 JOB (6C1R,LMP3,200,10),'41777 CHADWICK',TIME=3
/*ROUTE  PRINT LOCAL
//* ************************************************************************
//*  *                                                                      *
//*  *   * * *   PGM: R-CONS   * * *                                        *
//*  *                                                                      *
//*  *        THIS PROGRAM PRODUCES A LISTING OF SELECTED FIELDS FROM THE   *
//*  *  EXPANDED CONSOLIDATED LIST(SEE FIGURE 5).                           *
//*  *                                                                      *
//*  *                                                                      *
//*  *                                                                      *
//*  *  INPUT FILE:  DSN=HQMC1.LPS2.I4524.CONSII                            *
//*  *               FD: EXPDCONS                                           *
//*  *                                                                      *
//*  *  OUTPUT FILES:  NONE                                                 *
//*  *                                                                      *
//* ************************************************************************
//STP1 EXEC MARKIV,DEPT=USER
//EXT.M4OLD DD DSN=HQMC1.LPS2.I4524.CONSII,DISP=OLD
//EXT.M4INPUT DD *
STP1     RCEXPDCONSS U    S    E
STP1     AA
CONSLISTERTODAY
CONSLISTAA
CONSLISTAA    THE TABLE PROV-ID PROVIDES NOMENCLATURES AND IN SERVICE
CONSLISTAA    DATES FOR THE ID NUMBERS UNDER STUDY
CONSLISTAA
CONSLISTPR       ID-NO    TLLPROV-ID                          TIDNOMN
CONSLISTTFIDNOMN    SOC                          NSN          NOMENCLATURE
CONSLISTE1
CONSLISTR1       ID-NO      1 1P                        ID NO: NNNNNN ,
CONSLISTR1      TIDNOMN       1P
CONSLISTR1       NSN        3                           NNNN-NN-NNNNNNN
CONSLISTR1       PNSN                                   NNNN-NN-NNNNNNN 113
CONSLISTR1       NOMEN
CONSLISTR1       CODE       2
CONSLISTR1       CEC
CONSLISTR1       UNIT-PRC                               NNNNN.NN
CONSLISTR1       GOL-QTY
CONSLISTR1       MO-QTY
CONSLISTT1    HQMC PROVISIONING REVIEW STUDY#
CONSLISTT1    CONSOLIDATED LISTING   II MAF#
CONSLISTF1    +*****************************************#
CONSLISTF1    *                                        *#
CONSLISTF1    *   HEADQUARTERS, UNITED STATES MARINE CORPS   *#
CONSLISTF1    *       PROVISIONING POLICY REVIEW STUDY       *#
CONSLISTF1    *                                              *#
CONSLISTF1    *         CONSOLIDATED LISTING:  II MAF        *#
CONSLISTF1    *                                              *#
CONSLISTF1    *   THIS REPORT PROVIDES A LISTING OF THE GOL  *#
CONSLISTF1    *   AND M/O QUANTITIES (SUMMED OVER ALL PROJ)  *#
CONSLISTF1    *   FOR EACH II NUMBER BEING STUDIED.          *#
CONSLISTF1    *                                              *#
CONSLISTF1    +*****************************************#
/*
```

Figure 6 (1 of 1)

```
/*TAPE=2
//14524C12 JOB (6618,LMP3,288,10),'41777 CHADWICK',TIME=2
/*ROUTE  PRINT LOCAL
//* ************************************************************************
//*                                                                        *
//*  * * * * PGM: R-CONS2 * * * *                                         *
//*                                                                        *
//*       THIS PROGRAM PRODUCES A LISTING OF SELECTED FIELDS FROM THE      *
//*  EXPANIED CONSOLIDATED LIST(SEE FIGURE 7).                             *
//*                                                                        *
//*                                                                        *
//*  INPUT FILE:  DSN=HQMC1.LPS2.14524.CONSII                              *
//*               FD:  EXFDCONS                                            *
//*                                                                        *
//*  OUTPUT FILES:NONE                                                     *
//*                                                                        *
//* ************************************************************************
//STP1 EXEC MARKIV,DEPT=USER
//EXT.M4OLD DD DSN=HQMC1.LPS2.14524.CONSII,DISP=OLD
//EXT.M4INPUT DD *
STP1     RCEXFDCONSS U   S   #
STP1     AA
CONSLISTERTODAY
CONSLISTPR       ID-NO    TLLPROV-ID                          TIDNOMN
CONSLISTTFIDNOMN   90C                    NSN                NOMENCLATURE
CONSLISTE1
CONSLISTR1       ID-NO     1 1P                          ID NO: @@@@@@ ,
CONSLISTR1      TIDNOMN      1P
CONSLISTR1       CODE      2
CONSLISTR1       CAB/MFB
CONSLISTR1       NSN       3                             @@@@-@@-@@@@@@@
CONSLISTR1       PNSN                                    @@@@-@@-@@@@@@@ 113
CONSLISTR1       NOMEN
CONSLISTR1       OST            1
CONSLISTR1       RD/ALW
CONSLISTT1   HQMC PROVISIONING REVIEW STUDY@
CONSLISTT1   CONSOLIDATED LISTING (SHEET 2)   II MAF@
CONSLISTP1   ***************************************************@
CONSLISTP1   *                                                   *@
CONSLISTP1   *   HEADQUARTERS, UNITED STATES MARINE CORPS        *@
CONSLISTP1   *       PROVISIONING POLICY REVIEW STUDY            *@
CONSLISTP1   *                                                   *@
CONSLISTP1   *         CONSOLIDATED LISTING,  II MAF             *@
CONSLISTP1   *                   SHEET 2                         *@
CONSLISTP1   *                                                   *@
CONSLISTP1   *   THIS REPORT PROVIDES A LISTING OF THE GOL       *@
CONSLISTP1   *   AND M/D QUANTITIES (SUMMED OVER ALL PROJ)       *@
CONSLISTP1   *   FOR EACH II NUMBER BEING STUDIED.               *@
CONSLISTP1   *                                                   *@
CONSLISTP1   ***************************************************@
/*
```

Figure 7 (1 of 1)

```
/*TAPE=2
//I4524C12 JOB (6218,LMP2,200,10),'41777 CHADWICK',TIME=3
/*ROUTE  PRINT LOCAL
//* ************************************************************
//* *                                                          *
//* *  * * *  PGM: R-MOE2  * * *                               *
//* *                                                          *
//* *       THIS PROGRAM PRODUCES MOE COMPUTATION SHEET II     *
//* *  B).  THE PGM COMPUTES VARIOUS COSTING PARAMETERS, RO STATUS AND *
//* *  IIP CHARACTERISTICS BROKEN DOWN BY:                     *
//* *                                                          *
//* *                  1.  ID-NO                               *
//* *                  2.  GOL/MO                              *
//* *                  3.  CONSUMABLE/REPAIRABLE               *
//* *                                                          *
//* *                                                          *
//* *  INPUT FILE:  DSN=HQMC1.LPS2.I4524.CONSII                *
//* *               FD:  EXPDCONS                              *
//* *                                                          *
//* *                                                          *
//* *  OUTPUT FILE: NONE                                       *
//* *                                                          *
//* ************************************************************
//STP1 EXEC MARKIV,DEPT=USER
//EXT.M4GLD DD DSN=HQMC1.LPS2.I4524.CONSII,DISP=OLD
//EXT.M4INPUT DD *
STP1     RCEXPDCONSS U    S    *
STP1     AA
MOE-II   ERTODAY                                                  Y
MOE-II   PR       ID-NO    TLLPROV-ID                    TIDNOMN
MOE-II   PR                R D1                          TIIP-CNT
MOE-II   PR       GOL-QTY  GTD0
MOE-II   PR                NS 050
MOE-II   PR                R D1                          TGOL-CNT
MOE-II   PR050    GOL-QTY  *  UNIT-PRC                   TGOL-COST
MOE-II   PR060    MO-QTY   *  UNIT-PRC                   TMO-COST
MOE-II   PR070    MO-QTY   GTD0
MOE-II   PR080             NS 100
MOE-II   PR090             R D1                          TCRIT
MOE-II   PR095             R D1                          TMO-CNT
MOE-II   PR100    RO/ALW   GTD0
MOE-II   PR110             NS 200
MOE-II   PR120             R D1                          TRO
MOE-II   PR130             R D0                          TNOT-RO
MOE-II   PR200  TCRIT      * TGOL-COST                   TCRIT-CST
MOE-II   PR210  TGOL-COST+ TMO-COST                      TTOT-COST
MOE-II   PR220  TTOT-COST* TNOT-RO                       TXRO-CST
MOE-II   PR300             R CCONSUMABLES:               TCLASS
MOE-II   PR310    CODE     EQCR
MOE-II   PR320             NS 340
MOE-II   PR330             R CREPAIRABLES:               TCLASS
MOE-II   PR340  TGOL-CNT * TRO                           TGOL-RO
MOE-II   TFGOL-CNT    52       0              GOL NSN     COUNTER
MOE-II   TFIDNOMN    S0C
MOE-II   TFMO-CNT     52       0              M/O NSN     COUNTER
MOE-II   TFIIP-CNT    52       0              IIF NSN     COUNTER
MOE-II   TFGOL-RO     52       0              GOL WHICH   IS RO
MOE-II   TFCLASS     12C                      PART        CLASSIFICATION
MOE-II   TFGOL-COST  1222                     GOL         COST
MOE-II   TFMO-COST   1222                     M/O         COST
```

Figure 8 (1 of 3)

```
MOE-II  TFCRIT      1Z       0      CRITICAL      PART
MOE-II  TFRO        1Z       0      POSITIVE      RO?
MOE-II  TFCRIT-CST  12Z2           COST OF GOL   (CRITICAL)
MOE-II  TFTOT-COST  12Z2           TOTAL IIF     COST
MOE-II  TFNOT-RO    1Z       1     NOT           RO
MOE-II  TFXRO-CST   12Z2           COST OF IIF   (NOT RO)
MOE-II  E1Y
MOE-II  R1     ID-NO     Y1 1
MOE-II  R1    TIDNOMN    Y  1
MOE-II  R1     NSN       Y3
MOE-II  R1    TCLASS     Y2 2
MOE-II  R1    TGOL-COST  Y    2                    $$$,$$$.##
MOE-II  R1    TMO-COST   Y    2                    ###,###.##
MOE-II  R1    TTOT-COST  Y    2                    $$$,$$$.##
MOE-II  R1    TCRIT-CST  Y    2                    $$$,$$$.##
MOE-II  R1    TXRO-CST   Y    2                    $$$,$$$.##
MOE-II  R1    TRO        Y    2          TIIP-CNT  2$$$$.##
MOE-II  R1    TGOL-CNT   Y    2                     $$$$
MOE-II  R1    TGOL-RO    Y    2          TGOL-CNT  2%$$$.##
MOE-II  R1    TIIP-CNT   Y    2                     $$$$
MOE-II  R1    TMO-CNT    Y    2                     $$$$
MOE-II  F1  49B  #HQMC PROVISIONING REVIEW STUDY#                        $$
MOE-II  F1  47B  #MOE COMPUTATION SHEET II (II MAF)#                     $$
MOE-II  F1  1S
MOE-II  F1  F.DATE# 107B  #PAGE: # F.PAGE#                               $$
MOE-II  F1  2S
MOE-II  F1  #ID NO:  #  .ID-NO#  #  ,  #  T.IDNOMN#                      $$
MOE-II  F1  3S
MOE-II  F1  1P
MOE-II  F1  2L  8B T.CLASS# 4B #COST OF GOL:   #
MOE-II  F1                                  TOTAL T.GOL-COST#2   6B
MOE-II  F1                    #COST OF GOL (CRITICAL):#        21B
MOE-II  F1                                  TOTAL T.CRIT-CST#2       $$
MOE-II  F1  1S
MOE-II  F1  2L  24B  #COST OF M/O:   #      TOTAL T.MO-COST#2    6B
MOE-II  F1           #COST OF IIF (GOL + M/O) WHICH IS NOT RO:# 4B
MOE-II  F1                                  TOTAL T.XRO-CST#2        $$
MOE-II  F1  1S
MOE-II  F1  2L  24B  #TOTAL COST:    #      TOTAL T.TOT-COST#2       $$
MOE-II  F1  1S
MOE-II  F1  2L  24B  #RANGE (GOL):#  6B     TOTAL T.GOL-CNT#2    9B
MOE-II  F1           #% OF THE IIF WHICH IS RO:#                 23B
MOE-II  F1                                      PCT   T.RO#2         $$
MOE-II  F1  1S
MOE-II  F1  2L  24B  #RANGE (M/O):#  6B     TOTAL T.MO-CNT#2     9B
MOE-II  F1           #% OF GOL WHICH IS RO:#                     27B
MOE-II  F1                                  PCT   T.GOL-RO#2         $$
MOE-II  F1  1S
MOE-II  F1  2L  24B  #RANGE (IIP):#  6B     TOTAL T.IIP-CNT#2        $$
MOE-II  F1  3S
MOE-II  P1  *****************************************************#
MOE-II  P1  *                                                    *#
MOE-II  P1  *   HEADQUARTERS, UNITED STATES MARINE CORPS         *#
MOE-II  P1  *       PROVISIONING POLICY REVIEW STUDY             *#
MOE-II  P1  *                                                    *#
MOE-II  P1  *            MOE SHEET II   (II MAF)                 *#
MOE-II  P1  *                                                    *#
MOE-II  P1  *   THIS REPORT PROVIDES SELECTED COSTING, PO        *#
MOE-II  P1  *   AND CST FACTORS BROKEN DOWN FOR EACH II          *#
```

Figure 8 (2 of 3)

```
MOE-II   P1    *   EV. GOL / MO / CONSUMABLE   REPAIRABLE.      *
MOE-II   P1    *                                                *
MOE-II   P1    ************************************************
/*
```

ANNEX I

Figure 8 (3

```
//*TYPE=3
//I4524C12 JOB (6C1R,LMP3,200,10),'41777 CHADWICK',TIME=5
/*ROUTE  PRINT LOCAL
//* ************************************************************
//*                                                            *
//*  * * *  PGM: R-MOE34A  * * *                               *
//*                                                            *
//*       THIS PROGRAM PRODUCES MOE COMPUTATION SHEETS III AND IV    *
//*  (SEE FIGURE 9).  THIS 'A' VERSION ROUNDS ANY FRACTIONAL 2 MONTH *
//*  ERO USAGE DOWN TO THE NEXT LOWEST INTEGER.  THIS ROUNDED ERO    *
//*  USAGE IS COMPARED AGAINST THE GOL QUANTITIES FROM THE CONSOLI-   *
//*  DATED LISTS.  COMPARISONS ARE MADE BASED ON PREFERRED NSN'S.    *
//*  QUANTITY DIFFERENCES ARE BROKEN DOWN BY CONSUMABLE AND REPAIR-   *
//*  ABLE CLASSES INTO THE FOLLOWING CATEGORIES:                     *
//*                                                                  *
//*                1. EVEN                                           *
//*                2. OVERAGE                                        *
//*                3. SHORTAGE                                       *
//*                4. ZERO                                           *
//*                                                                  *
//*       A SUMMARY SHEET FOR EACH ID NUMBER AND DETAILED DATA       *
//*  PROVIDING SPECIFIC NSN COMPARISONS WITHIN EACH CATEGORY ARE      *
//*  GENERATED.                                                      *
//*                                                                  *
//*                                                                  *
//*  INPUT FILES:  1. DSN=HQMC1.LPS2.I4524.CONSII                    *
//*                   FD:  EXPDCONS                                  *
//*                                                                  *
//*                2. DSNFHQMC1.LPS2.I4524.EROII                     *
//*                   FD:  ERO-SUBF                                  *
//*                                                                  *
//*  OUTPUT FILES: NONE                                              *
//*                                                                  *
//* ************************************************************
//SRT1 EXEC PGM=IERRCO00,REGION=150K
//SORTLIB DD DSNAME=SYS1.SORTLIB,DISP=SHR
//SORTIN DD DSN=HQMC1.LPS2.I4524.CONSII,DISP=OLD
//SORTWK01 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN)),SEP=SORTIN
//SORTWK02 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN,SORTWK01)),
//            SEP=(SORTIN,SORTWK01)
//SORTWK03 DD SPACE=(TRK,50),SEP=(SORTIN,SORTWK01,SORTWK02),
//            UNIT=(SYSDA,SEP=(SORTIN,SORTWK01,SORTWK02))
//SORTOUT DD DSN=HQMC1.LPS2.I4524.CONSLIST,
//      DISP=(,PASS,DELETE),
//      UNIT=SYSDA,
//      DCB=(RECFM=FB,LRECL=103,BLKSIZE=5150),
//      SPACE=(5150,(100,20),RLSE)
//SYSPRINT DD SYSOUT=A
//SYSOUT DD SYSOUT=A
//* SORTS BY PREF NSN AND THEN ID NO.
//SYSIN DD *
  SORT FIELDS=(64,13,CH,A,1,6,CH,A)
/*
//SORT EXEC PGM=IERRCO00,REGION=150K
//SORTLIB DD DSNAME=SYS1.SORTLIB,DISP=SHR
//SORTIN DD DSN=HQMC1.LPS2.I4524.EROII,DISP=OLD
//SORTWK01 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN)),SEP=SORTIN
//SORTWK02 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN,SORTWK01)),
//            SEP=(SORTIN,SORTWK01)
//SORTWK03 DD SPACE=(TRK,50),SEP=(SORTIN,SORTWK01,SORTWK02),
```

Figure 9 (1 of 8)

```
//             UNIT=(SYSDA,SEP=(SORTIN,SORT  1,SORTWK02))
//SYSOUT DD DSN=HQMC1.LPS2.I4524.ERORK1,
//          DISP=(,PASS,DELETE),
//             SYSDA,
//             DCB=RECFM=FB,LRECL=96,BLKSIZE=
//             SPACE=(TRK,(150,20),RLSE)
//             SYSOUT=A
//SYSOUT=A
//* SORTS BY PREF NSN AND THEN II NO.
//SYSIN DD *
  SORT FIELDS=(51,13,CH,A,33,6,CH,A)
/*
//STP2 EXEC MARKIV,DEPT=USER
//EXT.M4OLD DD DSN=HQMC1.LPS2.I4524.ERORK1,DISP=OLD
//EXT.M4SUBF1 DD DSN=HQMC1.LPS2.I4524.ERORK2,
//      DISP=(,PASS,DELETE),
//      UNIT=SYSDA,
//      DCB=(RECFM=FB,LRECL=96,BLKSIZE=960),
//      SPACE=(TRK,(150,20),RLSE)
//EXT.M4INPUT DD *
STP1     RCERO-SUBFS U    S    6
STP1     RFERORSUBF SM4SUBF1
STP1     AA    ************************************************
STP1     AA    THIS STEP AGGREGATES DUPLICATE PNSN/ID NUMBER PAIRS
STP1     AA    IN ORDER TO COMPUTE A CUMULATIVE PART QTY FOR EACH
STP1     AA    NSN FOR EACH END ITEM.  THIS STEP ASSUMES THAT
STP1     AA    THE ERO SUBFILE IS SORTED BY PNSN AND THEN II.
STP1     AA    ************************************************
ERO-DUPSERTODAY
ERO-DUPSPR       PNSN     EQTPART-NSN
ERO-DUPSPR     A ID-NO    EQTID-NO
ERO-DUPSPR               NS 900
ERO-DUPSAA
ERO-DUPSAA    SAME PNSN/ID AS LAST RECORD
ERO-DUPSAA
ERO-DUPSAA
ERO-DUPSAA    ADJUST THE 485 DAY ERO USAGE QTY TO A 60 DAY
ERO-DUPSAA    FRACTIONAL USAGE QUANTITY.
ERO-DUPSAA
ERO-DUPSPR       ADJ-QTY / 06.00                          TTEMPQTY
ERO-DUPSPR     TTEMPQTY + TADJ-QTY                        TADJ-QTY
ERO-DUPSPR               GO END
ERO-DUPSAA
ERO-DUPSAA    DIFFERENT PNSN/ID PAIR
ERO-DUPSAA
ERO-DUPSPR900            GO SUB OUT-RECD
ERO-DUPSPR910            R  PNSN                          TPART-NSN
ERO-DUPSPR920            R  PARTQUAL                      TPARTQUAL
ERO-DUPSPR930            R  NOUN                          TNOUN
ERO-DUPSPR940            R  ID-NO                         TID-NO
ERO-DUPSPR950            R  SER-NO                        TSER-NO
ERO-DUPSPR960            R  QTY                           TQTY
ERO-DUPSPR990    ADJ-QTY / 06.00                          TADJ-QTY
ERO-DUPSPR990            GO END
ERO-DUPSTPART-NSN 13
ERO-DUPSTPARTQUAL  1
ERO-DUPSTTOTALQTY  922
ERO-DUPSTFNOUN     1
ERO-DUPSTFIATEDIFF 42
```

Figure 9 (2 of 8)

```
ERO-DUPSTFSER0        5
ERO-DUPSTFII-NO       6
ERO-DUPSTFSER-NO     10
ERO-DUPSTFQTY        22
ERO-DUPSTFTSFRQTY    822
OUT-RECIER                                                    S
OUT-RECIPR      TPART-NSNNEC
OUT-RECIPR                NS END
OUT-RECIPR       CODE     EQCR
OUT-RECIPR                NS 100
OUT-RECIAA
OUT-RECIAA    IF THE NSN IS A REPAIRABLE, FURTHER ADJUST THE USAGE QTY
OUT-RECIAA    TO A 30 DAY FRACTIONAL USAGE
OUT-RECIAA
OUT-RECIPR      TADJ-QTY / D2.0                                 TADJ-QTY
OUT-RECIPR100   TADJ-QTY LED0.01
OUT-RECIPR110             NS OUTPUT
OUT-RECIPR120             R D0.01                               TADJ-QTY
OUT-RECIE1                                    NR EROSUBF   10F
OUT-RECIR1      TPART-NSN  1 1
OUT-RECIR1      TPARTQUAL
OUT-RECIR1      TADJ-QTY
OUT-RECIR1      TNORS
OUT-RECIR1      TDATEDIFF
OUT-RECIR1      TERO
OUT-RECIR1      TII-NO      2
OUT-RECIR1      TSER-NO
OUT-RECIR1      TQTY
OUT-RECIR1      TPART-NSN
OUT-RECIR1       ERO-TYPE
OUT-RECIR1       U/P
OUT-RECIR1       CODE
OUT-RECIR1       NOMEN
OUT-RECIT1    ERO SUBFILE SORTED BY PNSN THEN ID-NO W/O DUPS#
/*
//STP2 EXEC MARKIV,DEPT=USER
//EXT.M4REPO DD UNIT=2400-3
//EXT.M4OLD DD DSN=HQMC1.LPS2.I4524.ERO#K2,DISP=OLD
//EXT.M4CONSD1 DD DSN=HQMC1.LPS2.I4524.CONSLIST,DISP=OLD
//EXT.M4INPUT DD *
STP2     RCERO-SUBFS E    S    #
STP2     RFEXPICONSSM4CONSD1 PNSN     ID-NO              U
STP2     AA     BOTH THE ERO AND CONS ASSUMED SORTED BY:
STP2     AA          (PNSN / ID-NO / CODE)
CONS-ERCERTODAY                                                 Y
CONS-ERCPR      FECORD    EQCL                                1 1
CONS-ERCPR                NS 300
CONS-ERCAA
CONS-ERCAA    NSN IN CONSLIST BUT NO ERO USAGE INDICATED
CONS-ERCAA
CONS-ERCPR                R D0                                TFCT-USG
CONS-ERCPR                R D0                                TRND-INT
CONS-ERCPR                R D1                                TIIP-CNT
CONS-ERCPR      ICOL-QTY GTD0
CONS-ERCPR                NS 400
CONS-ERCPR                R D1                                TCOL-CNT
CONS-ERCPR                CO 496

CONS-ERCPR300  FECORD     EQCM                                1 1
CONS-ERCPR310             NS 700
```

Figure 9 (3 of 8)

```
CONS-ERCPR312            R CY                                TMATCHSW
CONS-ERCAA
CONS-ERCAA   NSN IS IN CONSLIST AND DOES H       USAGE
CONS-ERCAA
CONS-ERCAA
CONS-ERCPR314            R D1                                TIIF-CNT
CONS-ERCPR315  1GOL-QTY GTIF
CONS-ERCPR316            NS 320
CONS-ERCPR317            R D1                                TGOL-CNT
CONS-ERCAA
CONS-ERCAA   *** ROUNDING CONVENTION ***
CONS-ERCAA   ANY FRACTION IS ROUNDED TO THE NEXT LOWEST INTEGER
CONS-ERCAA
CONS-ERCAA
CONS-ERCPR320            R  ADJ-QTY                          TFCT-USG
CONS-ERCPR330  TFCT-USG * D1                                 TRND-INT
CONS-ERCAA
CONS-ERCAA   THE FOLLOWING APPLIES IF THE NSN IS IN THE CONSLIST AT ALL
CONS-ERCAA
CONS-ERCPR400            R 1ID-NO                            TID-NO
CONS-ERCPR405            R 1CODE                             TCODE
CONS-ERCPR410            R 1PNSN                             TNSN       1130
CONS-ERCPR420            R 1GOL-QTY                          TGOL-QTY
CONS-ERCPR430            R 1UNIT-PRC                         TUNIT-PRC
CONS-ERCPR440            R 1NOMEN                            TNSN-NOMN
CONS-ERCPR450            GO 500
CONS-ERCAA
CONS-ERCAA   NSN HAS ERC USAGE BUT IS NOT IN .CONSLIST
CONS-ERCAA
CONS-ERCPR700  TMATCHSW EQCY
CONS-ERCPR710            NS 800
CONS-ERCPR720            R CH                                TMATCHSW
CONS-ERCPR730            GO END
CONS-ERCPR800            R D8                                TGOL-QTY
CONS-ERCAA   ***  ROUNDING CONVENTION  ***
CONS-ERCPR810            R  ADJ-QTY                          TFCT-USG
CONS-ERCPR820  TFCT-USG * D1                                 TRND-INT
CONS-ERCPR830            R  ID-NO                            TID-NO
CONS-ERCPR835            R  CODE                             TCODE
CONS-ERCPR840            R  PART-NSN                         TNSN
CONS-ERCPR850            R  NOMEN                            TNSN-NOMN
CONS-ERCPR860   U/P      * D1                                TUNIT-PRC
CONS-ERCAA
CONS-ERCAA   THE FOLLOWING COMPUTATIONS APPLY FOR ALL OUTPUT LINES
CONS-ERCAA
CONS-ERCPR900  TID-NO    TLLPROV-ID                          TID-NOMN
CONS-ERCPR902            R CCONSUMABLES                      TCLASS
CONS-ERCPR904  TCODE     EQCR
CONS-ERCPR906            NS 908
CONS-ERCPR907            R CREPAIRABLES                      TCLASS
CONS-ERCPR908  TRND-INT * D1                                 TRND-USG
CONS-ERCAA
CONS-ERCAA   IF GOL AND ERC USAGE ARE **EVEN**
CONS-ERCAA
CONS-ERCPR910  TRND-USG EQTGOL-QTY
CONS-ERCPR911            NS 930
CONS-ERCPR912  TRND-USG EQ10
CONS-ERCPR913            NS 916
CONS-ERCPR914            R CZERO                             TCATEGORY
```

Figure 9 (4 of 5)

```
CONS-ERCPR915            GO 990
CONS-ERCPR916            R CEVEN                                  TCATEGORY
CONS-ERCPR917            R D1                                     TEVEN-CNT
CONS-ERCPR918            GO 990
CONS-ERCAA
CONS-ERCAA    IF GOL IS **OVER** ROUNDED USAGE
CONS-ERCAA
CONS-ERCPR920  TRND-USG LTTGOL-QTY
CONS-ERCPR922            NS 950
CONS-ERCPR924            R COVER                                  TCATEGORY

CONS-ERCPR926  TGOL-QTY - TRND-USG                                TOVER-QTY
CONS-ERCPR928  TOVER-QTY* TUNIT-PRC                               TOVER-CST
CONS-ERCPR930            R D1                                     TOVER-D
CONS-ERCPR932  TFCT-USG EQD0
CONS-ERCPR934            NS 990
CONS-ERCPR936            R D1                                     TOVER-ZER
CONS-ERCPR940            GO 990
CONS-ERCAA
CONS-ERCAA    IF GOL IS **SHORT** OF ROUNDED USAGE
CONS-ERCAA
CONS-ERCPR950  TRND-USG GTTGOL-QTY
CONS-ERCPR952            NS END
CONS-ERCPR954            R CSHORT                                 TCATEGORY
CONS-ERCPR956  TRND-USG - TGOL-QTY                                TSHRT-QTY
CONS-ERCPR958  TSHRT-QTY* TUNIT-PRC                               TSHRT-CST
CONS-ERCPR960  TGOL-QTY EQD0
CONS-ERCPR962            NS 968
CONS-ERCPR964            R D1                                     TSHRT-R
CONS-ERCPR966            GO 990
CONS-ERCPR968            R D1                                     TSHRT-D
CONS-ERCPR970            GO 990
CONS-ERCPR990            GO SUB OUT-LINE
CONS-ERCPR995            GO END
CONS-ERCTFCATEGORY  5                        PROVISIONING  CATEGORY
CONS-ERCTFFCT-USG   9Z2                      FACTORED      ERO USAGE
CONS-ERCTFRND-USG   5Z2                      ROUNDED       ERO USAGE
CONS-ERCTFRND-INT   5Z       0               INTEGER       ROUNDING
CONS-ERCTFGOL-QTY   5Z                       GOL           PROV QTY
CONS-ERCTFNSN      13                        NSN
CONS-ERCTFNSN-NOMN 19                        NSN           NOMEN
CONS-ERCTFUNIT-PPC 12Z2                      UNIT          PRICE
CONS-ERCTFSHRT-R    4Z                       SHORTAGE      RANGE
CONS-ERCTFSHRT-D    4Z                       SHORTAGE      DEPTH
CONS-ERCTFSHRT-QTY  4Z                       SHORTAGE      QTY
CONS-ERCTFSHRT-CST 12Z2                      SHORTAGE      COST
CONS-ERCTFOVER-ZER  4Z                       PROVISIONED   W/ZERO DEMAND
CONS-ERCTFOVER-D    4Z                       OVERAGE       DEPTH
CONS-ERCTFOVER-QTY  4Z                       OVERAGE       QTY
CONS-ERCTFOVER-CST 12C2                      OVERAGE       COST
CONS-ERCTFEVEN-CNT  5Z       0               EVEN          COUNTER
CONS-ERCTFIIP-CNT   5Z       0               IIP           COUNTER
CONS-ERCTFGOL-CNT   5Z       0               GOL           COUNTER
CONS-ERCTFCODE      1C                       CONS/PERL     CODE
CONS-ERCTFCLASS    12C                       CONS/PERL     LABEL
CONS-ERCTFII-NO     6

CONS-ERCTFID-NOMN  98C
OUT-LINEER                                                S
```

Figure 9 (5 of 8)

```
OUT-LINEPR      TID-NO    E$C$                                          1 1
OUT-LINEE1Y
OUT-LINER1      TID-NO     Y1 1
OUT-LINER1      TID-NOMN   Y  1
OUT-LINER1      TCLASS     Y2 2
OUT-LINER1      TSHRT-R    Y     2                          $$$$$$.$$
OUT-LINER1      TSHRT-D    Y     2                          $$$$$$.$$
OUT-LINER1      TSHRT-CST  Y     2                          $$$$$$.$$
OUT-LINER1      TOVER-ZER  Y     2                          $$$$$$.$$
OUT-LINER1      TOVER-D    Y     2                          $$$$$$.$$
OUT-LINER1      TOVER-CST  Y     2                          $$$$$$.$$
OUT-LINER1      TEVEN-CNT  Y     2                          $$$$$$.$$
OUT-LINER1      TGOL-CNT   Y     2                          $$$$$$.$$
OUT-LINER1      TIIP-CNT   Y     2                          $$$$$$.$$
OUT-LINEF1   49B  $HQMC PROVISIONING REVIEW STUDY$                          $$
OUT-LINEF1   52B  $NSE COMPUTATION SHEET III$                              $$
OUT-LINEF1   58B  $END ITEM SUMMARIES  (II MAF)$                           $$
OUT-LINEF1   1S
OUT-LINEF1   F.DATE$  107B  $PAGE: $  F.PAGE$                              $$
OUT-LINEF1   2S
OUT-LINEF1   2P
OUT-LINEF1   2L  $ID NO:  $  T.ID-NO$  $  ,  $ T.ID-NOMN$                  $$
OUT-LINEF1   1S
OUT-LINEF1   2L  T.CLASS$                                                  $$
OUT-LINEF1   1S
OUT-LINEF1   2L  10B  $SHORTAGES:  (1)  NUMBER OF NSNS WHICH HAD A $
OUT-LINEF1           $ROUNDED 2 MO. ERO USAGE GREATER THAN ZERO,$
OUT-LINEF1                    9B   TOTAL T.SHRT-R$2                       $$
OUT-LINEF1   2L  27B  $BUT WHICH HAD NO GOL PROVISIONED:$
OUT-LINEF1           $ (LABEL: RANGE - 'RNG')$                             $$
OUT-LINEF1   1S
OUT-LINEF1   2L  22B  $(2)  NUMBER OF NSNS WHICH HAD GOL PROVISIONED,$
OUT-LINEF1           $ BUT HAD A ROUNDED 2 MO. ERO$
OUT-LINEF1                    8B   TOTAL T.SHRT-D$2                       $$
OUT-LINEF1   2L  27B  $USAGE IN EXCESS OF THE GOL PROV. QTY:$
OUT-LINEF1           $ (LABEL: DEPTH - 'DEP')$                             $$
OUT-LINEF1   1S
OUT-LINEF1   2L  22B  $(3)  TOTAL DOLLAR VALUE OF THE DIFFERENCE $
OUT-LINEF1           $BETWEEN THE 2 MO. ERO USAGE AND$
OUT-LINEF1                    9B   TOTAL T.SHRT-CST$2                     $$
OUT-LINEF1   2L  27B  $THE GOL PROV. QTY (WHEN USAGE IS GREATER):$        $$
OUT-LINEF1   2S
OUT-LINEF1   2L  10B  $OVERAGES:   (4)  NUMBER OF NSNS WHICH HAD $
OUT-LINEF1           $A POSITIVE GOL PROV. QTY, BUT HAD ZERO$
OUT-LINEF1                   14B   TOTAL T.OVER-ZER$2                     $$
OUT-LINEF1   2L  27B  $DEMANDS IN THE ERO FILE: (LABEL: NO DEMAND $
OUT-LINEF1           $- 'NO DMD')$                                         $$
OUT-LINEF1   1S
OUT-LINEF1   2L  22B  $(5)  NUMBER OF NSNS IN WHICH THE GOL PROV. QTY$
OUT-LINEF1           $ IS GREATER THAN THE 2 MO.$
OUT-LINEF1                   10B   TOTAL T.OVER-I$2                       $$
OUT-LINEF1   2L  27B  $ROUNDED ERO USAGE: (LABEL: DEPTH -'DEP')$           $$
OUT-LINEF1   1S
OUT-LINEF1   2L  22B  $(6)  TOTAL DOLLAR VALUE OF THE DIFFERENCE $
OUT-LINEF1           $BETWEEN THE GOL PROV. QTY AND$
OUT-LINEF1                   11B   TOTAL T.OVER-CST$2                     $$
OUT-LINEF1   2L  27B  $THE 2 MO. ROUNDED ERO USAGE (WHEN USAGE $
OUT-LINEF1           $IS LESS):$                                           $$
OUT-LINEF1   2S
```

Figure 9 (6 of 8)

```
OUT-LINEF1    2L  19B  #EVEN.# 7B (7)  NUMBER OF NSNS IN WHICH THE #
OUT-LINEF1             #GOL PROV QTY AND THE 2 MO. ROUNDED ERO#
OUT-LINEF1                        11B   TOTAL T.EVEN-CNT#2              ##
OUT-LINEF1    2L  27B  #ARE THE SAME (NOT EQUAL TO ZERO).#               ##
OUT-LINEF1    2S
OUT-LINEF1    2L  19B  #CONSLIST:   (8)  NUMBER OF NSNS FOR WHICH GOL #
OUT-LINEF1             #WAS PROVISIONED:# 32B TOTAL T.GOL-CNT#2         ##
OUT-LINEF1    1S
OUT-LINEF1    2L  22B  #(9)  TOTAL NUMBER OF NSNS PROVISIONED #
OUT-LINEF1             #(IIP):#  38B    TOTAL T.IIP-CNT#2               ##
OUT-LINEF1    5S

OUT-LINEF1    2L  27B  #NOTE 1:  2 MO. ROUNDED ERO USAGE IS THE #
OUT-LINEF1             #COMPUTED PART USAGE ROUNDED DOWN.#              ##
OUT-LINEF1    1S
OUT-LINEF1    2L  27B  #NOTE 2:  LINE (2) + (5) + (7)  =  LINE (8)#    ##
OUT-LINEE2Y
OUT-LINER2      TID-NO     Y1 1
OUT-LINER2      TID-NOMN   Y  1
OUT-LINER2      TCLASS     Y2 2
OUT-LINER2      TCATEGORY  Y3 3
OUT-LINER2      TNSN       Y4 4                          @@@@-@@-@@@@@@@
OUT-LINER2      TNSN-NOMN  Y  4
OUT-LINER2      TFCT-USG   Y     4                       @@@@@.@@
OUT-LINER2      TRND-USG   Y     4                       @@@.@
OUT-LINER2      TGOL-QTY   Y     4                       @@@.@
OUT-LINER2      TUNIT-PRC  Y     4                       @@@@@.@@
OUT-LINER2      TSHRT-R    Y     4                       @
OUT-LINER2      TSHRT-D    Y     4                       @
OUT-LINER2      TSHRT-QTY  Y     4                       @@@
OUT-LINER2      TSHRT-CST  Y     4                       @@@@@@@.@@
OUT-LINER2      TOVER-ZER  Y     4                       @
OUT-LINER2      TOVER-D    Y     4                       @
OUT-LINER2      TOVER-QTY  Y     4                       @@@
OUT-LINER2      TOVER-CST  Y     4                       @@@@@@@.@@
OUT-LINEF2    49B  #HQMC PROVISIONING REVIEW STUDY#                      ##
OUT-LINEF2    52B  #MOE COMPUTATION SHEET IV#                           ##
OUT-LINEF2    48B  #END ITEM DETAILED DATA  (II MAF)#                   ##
OUT-LINEF2    1S
OUT-LINEF2    F.DATE#  197B  #PAGE: #  F.PAGE#                          ##
OUT-LINEF2    2S
OUT-LINEF2        #ID NO:  # T.ID-NO# # , # T.ID-NOMN#                  ##
OUT-LINEF2    1S
OUT-LINEF2        T.CLASS#  # WHICH WERE PROVISIONED (GOL) # T.CATEGORY#
OUT-LINEF2                    12B #** ERO USAGE IS ROUNDED DOWN **#     ##
OUT-LINEF2    2S
OUT-LINEF2        6B  #PREFERRED#  11B  #NSN#  11B  #.....E R O.....#
OUT-LINEF2        2B  #IIP#  3B  #UNIT#  6B  #....S H O R T A G E S...#
OUT-LINEF2        4B  #.....O V E R A G E S.....#                       ##
OUT-LINEF2        9B  #NSN#  13B  #NOMEN#  11B  #FACTORED   RND# 3B
OUT-LINEF2            #GOL   PRICE#  5B  #RND  DEP  QTY   NSN COST# 4B
OUT-LINEF2            #NO-DMD  DEP  QTY   NSN COST#                    ##
OUT-LINEF2    1S
OUT-LINEF2    3P
OUT-LINEF2    4L    2B   T.NSN#  2B  T.NSN-NOMN#
OUT-LINEF2                    2B        TOTAL T.FCT-USG#4
OUT-LINEF2                    2B        TOTAL T.RND-USG#4
OUT-LINEF2                    1B        TOTAL T.GOL-QTY#4
OUT-LINEF2                    1B        TOTAL T.UNIT-PRC#4
OUT-LINEF2                    4B        TOTAL T.SHRT-R#4
```

Figure 9 (7 of 8)

```
OUT-LINEF2                    48          TOTAL T.SHRT-I$4
OUT-LINEF2                    38          TOTAL T.SHRT-QTY$4
OUT-LINEF2                    28          TOTAL T.SHRT-CST$4
OUT-LINEF2                    68          TOTAL T.OVER-ZER$4
OUT-LINEF2                    58          TOTAL T.OVER-I$4
OUT-LINEF2                    38          TOTAL T.OVER-QTY$4
OUT-LINEF2                    28          TOTAL T.OVER-CST$4                $$
OUT-LINEP1   *************************************************$
OUT-LINEP1   *                                                 *$
OUT-LINEP1   *   HEADQUARTERS, UNITED STATES MARINE CORPS      *$
OUT-LINEP1   *       PROVISIONING POLICY REVIEW STUDY          *$
OUT-LINEP1   *                                                 *$
OUT-LINEP1   *          MOE SHEETS III + IV: (GOL)             *$
OUT-LINEP1   *       ERO USAGE ROUNDED DOWN  (II MAF)          *$
OUT-LINEP1   *                                                 *$
OUT-LINEP1   *************************************************$
OUT-LINEP1                                                      $
OUT-LINEP1                                                      $
OUT-LINEP1                                                      $
OUT-LINEP1                                                      $
OUT-LINEP1       ADJUSTED TWO MONTH ERO USAGE IS ROUNDED USING THE      $
OUT-LINEP1   STATED CONVENTION AND COMPARED TO THE CONSOLIDATED LIST.   $
OUT-LINEP1   FOR EACH ID NUMBER, QUANTITY DIFFERENCES ARE BROKEN DOWN   $
OUT-LINEP1   BY CONSUMABLE AND REPAIRABLE CLASSES INTO THE FOLLOWING    $
OUT-LINEP1   CATEGORIES:                                                $
OUT-LINEP1                                                              $
OUT-LINEP1            1) EVEN:          BOTH THE ROUNDED ERO USAGE AND  $
OUT-LINEP1                              THE CONSLIST GOL QTY ARE THE    $
OUT-LINEP1                              SAME AND GREATER THAN ZERO.     $
OUT-LINEP1                                                              $
OUT-LINEP1            2) OVERAGE:       THE ROUNDED ERO USAGE IS LESS   $
OUT-LINEP1                              THAN THE CONSLIST GOL QUANTITY. $
OUT-LINEP1                                                              $
OUT-LINEP1            3) SHORTAGE:      THE ROUNDED ERO USAGE IS GREATER$
OUT-LINEP1                              THAN THE CONSLIST GOL QUANTITY. $
OUT-LINEP1                                                              $
OUT-LINEP1            4) ZEROS:         THE ROUNDED ERO USAGE AND THE   $
OUT-LINEP1                              GOL QTY ARE BOTH ZERO.          $
/*
```

Figure 9 (9 of 8)

```
/*TAPE=3
//I4524C12 JOB (601R,LRP3,200,10),'41777 CHADWICK',TIME=5
/*ROUTE  PRINT LOCAL
//* ************************************************************************
//*                                                                        *
//*  * * *  PGM: R-MOE34E  * * *                                         *
//*                                                                        *
//*       THIS PROGRAM PRODUCES MOE COMPUTATION SHEET III(SEE FIGURE       *
//*  10).  THIS 'B' VERSION ROUNDS ANY FRACTIONAL 2 MONTH ERD USAGE        *
//*  LESS THAN 0.5 DOWN AND GREATER THAN 0.5 UP.                           *
//*                                                                        *
//*       SEE DESCRIPTION IN PGM: R-MOE34A                                 *
//*                                                                        *
//*                                                                        *
//*  INPUT FILES: 1. DSN=HQMC1.LRS2.I4524.CONSII                           *
//*                  FD:  EXPDCOMS                                         *
//*                                                                        *
//*               2. DSN=HQMC1.LRS2.I4524.ERDII                            *
//*                  FD:  ERD-SUBF                                         *
//*                                                                        *
//*  OUTPUT FILES:NONE                                                     *
//*                                                                        *
//* ************************************************************************
//SRT1 EXEC PGM=IERRCO00,REGION=150K
//SORTLIB DD DSNAME=SYS1.SORTLIB,DISP=SHR
//SORTIN DD DSN=HQMC1.LRS2.I4524.CONSII,DISP=OLD
//SORTWK01 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN)),SEP=SORTIN
//SORTWK02 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN,SORTWK01)),
//            SEP=(SORTIN,SORTWK01)
//SORTWK03 DD SPACE=(TRK,50),SEP=(SORTIN,SORTWK01,SORTWK02),
//            UNIT=(SYSDA,SEP=(SORTIN,SORTWK01,SORTWK02))
//SORTOUT DD DSN=HQMC1.LRS2.I4524.CONSLIST,
//      DISP=(,PASS,DELETE),
//      UNIT=SYSDA,
//      DCB=(RECFM=FB,LRECL=183,BLKSIZE=5150),
//      SPACE=(5150,(30,10),RLSE)
//SYSPRINT DD SYSOUT=A
//SYSOUT DD SYSOUT=A
//SYSIN DD *
  SORT FIELDS=(64,13,CH,A,1,6,CH,A)
/*
//SORT EXEC PGM=IERRCO00,REGION=150K
//SORTLIB DD DSNAME=SYS1.SORTLIB,DISP=SHR
//SORTIN DD DSN=HQMC1.LRS2.I4524.ERDII,DISP=OLD
//SORTWK01 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN)),SEP=SORTIN
//SORTWK02 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN,SORTWK01)),
//            SEP=(SORTIN,SORTWK01)
//SORTWK03 DD SPACE=(TRK,50),SEP=(SORTIN,SORTWK01,SORTWK02),
//            UNIT=(SYSDA,SEP=(SORTIN,SORTWK01,SORTWK02))
//SORTOUT DD DSN=HQMC1.LRS2.I4524.ERDWK1,
//      DISP=(,PASS,DELETE),
//      UNIT=SYSDA,
//      DCB=(RECFM=FB,LRECL=50,BLKSIZE=900),
//      SPACE=(TRK,(150,20),RLSE)
//SYSPRINT DD SYSOUT=A
//SYSOUT DD SYSOUT=A
//SYSIN DD *
  SORT FIELDS=(51,13,CH,A,33,5,CH,A)
/*
//STP3 EXEC MARKIV,DEPT=USER
```

Figure 10 (1 of 7)

```
//EXT.M4OLD ID DSN=HQMC1.LPS2.I4524.ERQVK1,DISP=OLD
//EXT.M4SUBF1 ID DSN=HQMC1.LPS2.I4524.ERQUK2,
//      DISP=(,PASS,DELETE),
//      UNIT=SYSDA,
//      DCB=(RECFM=FB,LRECL=98,BLKSIZE=900),
//      SPACE=(TRK,(150,20),RLSE)
//EXT.M4INPUT DD *
STP1     RDERQ-SUBFS U    S    #
STP1     RFERQSUBF SM4SUBF1
STP1     AA   SCANDATA JOB: LPS2DLC (895)
STP1     AA
STP1     AA   THIS STEP AGGREGATES DUPLICATE PNSN/ID NUMBER PAIRS
STP1     AA   THE ERQ SUBFILE MUST BE SORTED BY PNSN / ID.
STP1     AA
ERQ-DUPSERTODAY
ERQ-DUPSPR       PNSN     EQTPART-NSN
ERQ-DUPSPR     A ID-NO    EQTID-NO
ERQ-DUPSPR                NS 500
ERQ-DUPSAA
ERQ-DUPSAA    SAME PNSN/ID AS LAST RECORD
ERQ-DUPSAA
ERQ-DUPSPR       ADJ-QTY / D8.00                                  TTEMPQTY
ERQ-DUPSPR      TTEMPQTY + TADJ-QTY                               TADJ-QTY
ERQ-DUPSPR                GO END
ERQ-DUPSAA
ERQ-DUPSAA    DIFFERENT PNSN/ID PAIR
ERQ-DUPSAA
ERQ-DUPSPR500             GO SUB OUT-RECD
ERQ-DUPSPR510             R  PNSN                                  TPART-NSN
ERQ-DUPSPR520             R  PARTQUAL                              TPARTQUAL
ERQ-DUPSPR530             R  NORS                                  TNORS
ERQ-DUPSPR540             R  ID-NO                                 TID-NO
ERQ-DUPSPR550             R  SER-NO                                TSER-NO
ERQ-DUPSPR560             R  QTY                                   TQTY
ERQ-DUPSPR590    ADJ-QTY / D8.00                                   TADJ-QTY
ERQ-DUPSPR590             GO END
ERQ-DUPSTFPART-NSN 13
ERQ-DUPSTFPARTQUAL  1
ERQ-DUPSTFADJ-QTY   9Z2
ERQ-DUPSTFNORS      1
ERQ-DUPSTFDATEDIFF  4Z
ERQ-DUPSTFERQ       5
ERQ-DUPSTFID-NO     6
ERQ-DUPSTFSER-NO   18
ERQ-DUPSTFQTY       2Z
ERQ-DUPSTFTEMPQTY   9Z2
OUT-RECDER                                                        S
OUT-RECIFR     TPART-NSNNEC
OUT-RECIPR                NS END
OUT-RECIPR      CODE      EQCR
OUT-RECIPR                NS 100
OUT-RECIPR     TADJ-QTY / D2.0                                    TADJ-QTY
OUT-RECIPR100  TADJ-QTY LED8.01
OUT-RECIPR110             NS OUTPUT
OUT-RECIPR120             R D8.01                                 TADJ-QTY
OUT-REC1E1                                    NF ERQSUBF   10F
OUT-REC1R1     TPART-NSN  1 1

OUT-REC1R1     TPARTQUAL
OUT-REC1R1     TADJ-QTY
```

Figure 10 (1 of 7)

```
OUT-RECIR1      THORS
OUT-RECIR1      TDATEDIFF
OUT-RECIR1      TEPO
OUT-RECIR1      TII-NO      2
OUT-RECIR1      TSER-NO
OUT-RECIR1      TQTY
OUT-RECIR1      TPART-NSN
OUT-RECIR1       ERO-TYPE
OUT-RECIR1       U/P
OUT-RECIR1       CODE
OUT-RECIR1       NOMEN
OUT-RECIT1   ERO SUBFILE SORTED BY PNSN THEN ID-NO U/O DUPS#
/*
//STP2 EXEC MARKIV,DEPT=USER
//EXT.M4REPO DD UNIT=2400-3
//EXT.M4OLD DD DSN=HOMC1.LPS2.I4524.EROMK2,DISP=OLD
//EXT.M4CORD1 DD DSN=HOMC1.LPS2.I4524.CONSLIST,DISP=OLD
//EXT.M4INPUT DD *
STP2     RCERO-SUBFS E    S    #
STP2     RFEXPDCONSSM4CORD1 PNSN     ID-NO              U
STP2     AA     BOTH THE ERO AND CONS ASSUMED SORTED BY:
STP2     AA          (PNSN / ID-NO / CODE)
CONS-ERDERTODAY                                                      Y
CONS-ERDPR      FECORD    EQCL                                     1 1
CONS-ERDPR                NS 300
CONS-ERDAA
CONS-ERDAA    NSN IN CONSLIST BUT NO ERO USAGE INDICATED
CONS-ERDAA
CONS-ERDPR                R D0                          TFCT-USG
CONS-ERDPR                R D0                          TRND-INT
CONS-ERDPR                R D1                          TIIP-CNT
CONS-ERDPR      1GOL-QTY GTD0
CONS-ERDPR      ——    -- NS 400
CONS-ERDPR                R D1                          TGOL-CNT
CONS-ERDPR                GO 400
CONS-ERDPR300   FECORD    EQCM                                     1 1
CONS-ERDPR310             NS 700
CONS-ERDPR312             R CY                          TMATCHSW
CONS-ERDAA
CONS-ERDAA    NSN IS IN CONSLIST AND DOES HAVE ERO USAGE
CONS-ERDAA
CONS-ERDAA
CONS-ERDPR314             R D1                          TIIP-CNT
CONS-ERDPR315   1GOL-QTY GTD0
CONS-ERDPR316   -         NS 320
CONS-ERDPR317             R D1                          TGOL-CNT
CONS-ERDAA
CONS-ERDAA    *** ROUNDING CONVENTION ***
CONS-ERDAA
CONS-ERDAA    THIS VERSION OF MOE SHEETS 304 ROUNDS PARTS USAGE LESS
CONS-ERDAA    THAN 0.5 DOWN TO THE NEXT LOWEST INTEGER.
CONS-ERDAA
CONS-ERDPR320             R  ADJ-QTY                    TFCT-USG
CONS-ERDPR325   TFCT-USG * I0.5                         TRND-USG
CONS-ERDPR330   TRND-USG * I1                           TRND-INT
CONS-ERDAA
CONS-ERDAA    THE FOLLOWING APPLIES IF THE NSN IS IN THE CONSLIST AT ALL
CONS-ERDAA
CONS-ERDPR400             R IID-NO                      TID-NO
```

Figure 10 (3 of 7)

```
CONS-ERCPR405            R 1CODE                                  TCODE
CONS-ERCPR410            R 1PNSN                                  TNSN        1130
CONS-ERCPR420            R 1GOL-QTY                               TGOL-QTY
CONS-ERCPR430            R 1UNIT-PRC                              TUNIT-PRC
CONS-ERCPR440            R 1NOMEN                                 TNSN-NOMN
CONS-ERCPR450            GO 900

CONS-ERCAA
CONS-ERCAA   NSN HAS ERD USAGE BUT IS NOT IN .CONSLIST
CONS-ERCAA
CONS-ERCPR700  TMATCHSW EQCY

CONS-ERCPR710            NS 800
CONS-ERCPR720            R CN                                     TMATCHSW
CONS-ERCPR730            GO END
CONS-ERCPR800            R D0                                     TGOL-QTY
CONS-ERCAA   ***  ROUNDING CONVENTION  ***
CONS-ERCPR810            R  ADJ-QTY                               TFCT-USG
CONS-ERCPR815  TFCT-USG + D0.5                                    TRND-USG
CONS-ERCPR820  TRND-USG * D1                                      TRND-INT
CONS-ERCPR830            R  ID-NO                                 TID-NO
CONS-ERCPR835            R  CODE                                  TCODE
CONS-ERCPR840            R  PART-NSN                              TNSN
CONS-ERCPR850            R  NOMEN                                 TNSN-NOMN
CONS-ERCPR860   U/P       * D1                                    TUNIT-PRC
CONS-ERCAA
CONS-ERCAA   THE FOLLOWING COMPUTATIONS APPLY FOR ALL OUTPUT LINES
CONS-ERCAA
CONS-ERCPR900  TID-NO    TLLPROV-ID                               TID-NOMN
CONS-ERCPR902            R CCONSUMABLES                           TCLASS
CONS-ERCPR904  TCODE     EQCR
CONS-ERCPR906            NS 908
CONS-ERCPR907            R CREPAIRABLES                           TCLASS
CONS-ERCPR908  TRND-INT  * D1                                     TRND-USG
CONS-ERCAA
CONS-ERCAA   IF GOL AND ERD USAGE ARE **EVEN**
CONS-ERCAA
CONS-ERCPR910  TRND-USG EQTGOL-QTY
CONS-ERCPR911            NS 920
CONS-ERCPR912  TRND-USG EQD0
CONS-ERCPR913            NS 916
CONS-ERCPR914            R CZEROS                                 TCATEGORY
CONS-ERCPR915            GO 990
CONS-ERCPR916            R CEVEN                                  TCATEGORY
CONS-ERCPR917            R D1                                     TEVEN-CNT
CONS-ERCPR918            GO 990
CONS-ERCAA
CONS-ERCAA   IF GOL IS **OVER** ROUNDED USAGE
CONS-ERCAA
CONS-ERCPR920  TRND-USG LTTGOL-QTY
CONS-ERCPR922            NS 950
CONS-ERCPR924            R COVER                                  TCATEGORY
CONS-ERCPR926  TGOL-QTY - TRND-USG                                TOVER-QTY
CONS-ERCPR928  TOVER-QTY* TUNIT-PRC                               TOVER-CST
CONS-ERCPR930            R D1                                     TOVER-D
CONS-ERCPR932  TFCT-USG EQI0
CONS-ERCPR934            NS 990

CONS-ERCPR936            R D1                                     TOVER-ZER
CONS-ERCPR940            GO 990
```

Figure 10 (4 of 7)

```
CONS-ERQAA
CONS-ERQAA    IF GCL IS **SHORT** OR REQUIRED USAGE
CONS-ERQAA
CONS-ERQPR956  TRND-USG GTTGCL-QTY
CONS-ERQPR952            NS END
CONS-ERQPR954            R QSHORT                          TCATEGORY
CONS-ERQPR956  TRND-USG - TGCL-QTY                         TSHRT-QTY
CONS-ERQPR958  TSHRT-QTY* TUNIT-PRC                        TSHRT-CST
CONS-ERQPR960  TGCL-QTY EQGE
CONS-ERQPR962            NS 960
CONS-ERQPR964            R D1                              TSHRT-R
CONS-ERQPR966            GO 990
CONS-ERQPR968            R D1                              TSHRT-D
CONS-ERQPR97E            GO 990
CONS-ERQPR990            GO SUE OUT-LINE
CONS-ERQPR995            GO END
CONS-ERQTFCATEGORY  5                          PROVISIONING  CATEGORY
CONS-ERQTFCT-USG    822                        FACTORED      ERQ USAGE
CONS-ERQTFRND-USG   522                        ROUNDED       ERQ USAGE
CONS-ERQTFRND-INT   5Z       0                 INTEGER       ROUNDING
CONS-ERQTFGCL-QTY   5Z                         GCL           PROV QTY
CONS-ERQTFNSN      13                          NSN
CONS-ERQTFNSN-NOMN 19                          NSN           NOMEN
CONS-ERQTFUNIT-PRC 1222                        UNIT          PRICE
CONS-ERQTFSHRT-R    4Z                         SHORTAGE      RANGE
CONS-ERQTFSHRT-D    4Z                         SHORTAGE      DEPTH
CONS-ERQTFSHRT-QTY  4Z                         SHORTAGE      QTY
CONS-ERQTFSHRT-CST 1222                        SHORTAGE      COST
CONS-ERQTFOVER-ZER  4Z                         PROVISIONED   W/ZERO DEMAND
CONS-ERQTFOVER-D    4Z                         OVERAGE       DEPTH
CONS-ERQTFOVER-QTY  4Z                         OVERAGE       QTY
CONS-ERQTFOVER-CST 1222                        OVERAGE       COST
CONS-ERQTFEVEN-CNT  5Z       0                 EVEN          COUNTER
CONS-ERQTFIIP-CNT   5Z       0                 IIP           COUNTER
CONS-ERQTFGCL-CNT   5Z       0                 GCL           COUNTER
CONS-ERQTFCODE      1C                         CONS/RPRL     CODE
CONS-ERQTFCLASS    12C                         CONS/RPRL     LABEL
CONS-ERQTFID-NO     5
CONS-ERQTFID-NOMN  98C
OUT-LINEER                                                  S
OUT-LINEPR      TID-NO   EQC6                                        1 1
OUT-LINEE1Y
OUT-LINER1      TID-NO    Y1 1
OUT-LINER1      TID-NOMN  Y  1
OUT-LINER1      TCLASS    Y2 2
OUT-LINER1      TSHRT-R   Y    2                    @@@@@@.@@
OUT-LINER1      TSHRT-D   Y    2                    @@@@@@.@@
OUT-LINER1      TSHRT-CST Y    2                    @@@@@@.@@
OUT-LINER1      TOVER-ZER Y    2                    @@@@@@.@@
OUT-LINER1      TOVER-D   Y    2                    @@@@@@.@@
OUT-LINER1      TOVER-CST Y    2                    @@@@@@.@@
OUT-LINER1      TEVEN-CNT Y    2                    @@@@@@.@@
OUT-LINER1      TGCL-CNT  Y    2                    @@@@@@.@@
OUT-LINER1      TIIP-CNT  Y    2                    @@@@@@.@@
OUT-LINEF1   49S  @MOPC PROVISIONING REVIEW STUDY@                  @1
OUT-LINEF1   52S  @WIDE CORRELATION SHEET 1111@                     @@
OUT-LINEF1   58S  @END ITEM SUMMARIES  (II MAP)@                    @@
OUT-LINEF1   1S
OUT-LINEF1   P.DATE@  107S  @PAGE: @  P.PAGE@                       @@
```

Figure 10 (1 of 7)

```
OUT-LINEF1   2S
OUT-LINEF1   2P
OUT-LINEF1   2L  #II NO:  #  T.ID-NO#  #  ,  # T.ID-NOMN#                    ##
OUT-LINEF1   1S
OUT-LINEF1   2L  T.CLASS#                                                    ##
OUT-LINEF1   1S
OUT-LINEF1   2L  10B  #SHORTAGES:  (1)  NUMBER OF NSNS WHICH HAD A #
OUT-LINEF1           #ROUNDED 2 MO. ERO USAGE GREATER THAN ZERO,#
OUT-LINEF1                    8B   TOTAL T.SHRT-R#2                        ##
OUT-LINEF1   2L  27B  #BUT WHICH HAD NO GOL PROVISIONED:#
OUT-LINEF1           # (LABEL: RANGE - 'RNG')#                             ##

OUT-LINEF1   1S
OUT-LINEF1   2L  22B  #(2)  NUMBER OF NSNS WHICH HAD GOL PROVISIONED,#
OUT-LINEF1           # BUT HAD A ROUNDED 2 MO. ERO#
OUT-LINEF1                    8B   TOTAL T.SHRT-D#2                        ##
OUT-LINEF1   2L  27B  #USAGE IN EXCESS OF THE GOL PROV. QTY:#
OUT-LINEF1           # (LABEL: DEPTH - 'DEP')#                             ##
OUT-LINEF1   1S
OUT-LINEF1   2L  22B  #(3)  TOTAL DOLLAR VALUE OF THE DIFFERENCE #
OUT-LINEF1           #BETWEEN THE 2 MO. ERO USAGE AND#
OUT-LINEF1                    9B   TOTAL T.SHRT-CST#2                      ##
OUT-LINEF1   2L  27B  #THE GOL PROV. QTY (WHEN USAGE IS GREATER):#          ##
OUT-LINEF1   2S
OUT-LINEF1   2L  10B  #OVERAGES:   (4)  NUMBER OF NSNS WHICH HAD #
OUT-LINEF1           #A POSITIVE GOL PROV. QTY, BUT HAD ZERO#
OUT-LINEF1                   14B   TOTAL T.OVER-ZER#2                      ##
OUT-LINEF1   2L  27B  #DEMANDS IN THE ERO FILE: (LABEL: NO DEMAND #
OUT-LINEF1           #- 'NO DMD')#                                          ##
OUT-LINEF1   1S
OUT-LINEF1   2L  22B  #(5)  NUMBER OF NSNS IN WHICH THE GOL PROV. QTY#
OUT-LINEF1           # IS GREATER THAN THE 2 MO.#
OUT-LINEF1                   10B   TOTAL T.OVER-I#2                        ##
OUT-LINEF1   2L  27B  #ROUNDED ERO USAGE: (LABEL: DEPTH -'DEP')#            ##
OUT-LINEF1   1S
OUT-LINEF1   2L  22B  #(6)  TOTAL DOLLAR VALUE OF THE DIFFERENCE #
OUT-LINEF1           #BETWEEN THE GOL PROV. QTY AND#
OUT-LINEF1                   11B   TOTAL T.OVER-CST#2                      ##
OUT-LINEF1   2L  27B  #THE 2 MO. ROUNDED ERO USAGE (WHEN USAGE #
OUT-LINEF1           #IS LESS):#                                            ##
OUT-LINEF1   2S
OUT-LINEF1   2L  10B  #EVEN:# 7B #(7)  NUMBER OF NSNS IN WHICH THE #
OUT-LINEF1           #GOL PROV QTY AND THE 2 MO. ROUNDED ERO#
OUT-LINEF1                   11B   TOTAL T.EVEN-CNT#2                      ##
OUT-LINEF1   2L  27B  #ARE THE SAME (NOT EQUAL TO ZERO):#                   ##
OUT-LINEF1   2S
OUT-LINEF1   2L  10B  #CONSLIST:   (8)  NUMBER OF NSNS FOR WHICH GOL #
OUT-LINEF1           #WAS PROVISIONED:# 32B TOTAL T.GOL-CNT#2                ##
OUT-LINEF1   1S
OUT-LINEF1   2L  22B  #(9)  TOTAL NUMBER OF NSNS PROVISIONED #
OUT-LINEF1           #(IIP):#  38B    TOTAL T.IIP-CNT#2                     ##
OUT-LINEF1   5S
OUT-LINEF1   2L  27B  #NOTE 1:  2 MO. ROUNDED ERO USAGE IS THE #
OUT-LINEF1           #COMPUTED PART USAGE (.54) ROUNDED UP.#                 ##
OUT-LINEF1   1S
OUT-LINEF1   2L  27B  #NOTE 2:  LINE (2) + (5) + (7)  =  LINE (8)#          ##
OUT-LINEF1   *************************************************
OUT-LINEF1   *                                               *
OUT-LINEF1   *   HEADQUARTERS, UNITED STATES MARINE CORPS    *
OUT-LINEF1   *       PROVISIONING POLICY REVIEW STUDY        *
```

Figure 10 (6 of 7)

```
OUT-LINEP1   *                                                    *$
OUT-LINEP1   *          MOF SHEETS III + IV, (COL)                *$
OUT-LINEP1   *          [illegible] (.5-) ROUNDED IOUP            *$
OUT-LINEP1   *                    II MAF                          *$
OUT-LINEP1   *                                                    *$
OUT-LINEP1   ********** ---- **************** ******$
OUT-LINEP1                                                        $
OUT-LINEP1                                                        $
OUT-LINEP1                                                        $
OUT-LINEP1                                                        $
OUT-LINEP1       ADJUSTED TWO MONTH ERO USAGE IS ROUNDED USING THE      $
OUT-LINEP1   STATED CONVENTION AND COMPARED TO THE CONSOLIDATED LIST.   $
OUT-LINEP1   FOR EACH ID NUMBER, QUANTITY DIFFERENCES ARE BROKEN DOWN   $
OUT-LINEP1   BY CONSUMABLE AND REPAIRABLE CLASSES INTO THE FOLLOWING    $
OUT-LINEP1   CATEGORIES:                                                $
OUT-LINEP1              1) EVEN:        BOTH THE ROUNDED ERO USAGE AND  $
OUT-LINEP1                              THE CONSLIST GOL QTY ARE THE    $
OUT-LINEP1                              SAME AND GREATER THAN ZERO.     $
OUT-LINEP1                                                              $
OUT-LINEP1              2) OVERAGE:     THE ROUNDED ERO USAGE IS LESS   $
OUT-LINEP1                              THAN THE CONSLIST GOL QUANTITY. $
OUT-LINEP1                                                              $
OUT-LINEP1              3) SHORTAGE:    THE ROUNDED ERO USAGE IS GREATER$
OUT-LINEP1                              THAN THE CONSLIST GOL QUANTITY. $
OUT-LINEP1                                                              $
OUT-LINEP1              4) ZEROS:       THE ROUNDED ERO USAGE AND THE   $
OUT-LINEP1                              GOL QTY ARE BOTH ZERO.          $
/*
```

Figure 10 (7 of 7)

```
/*TAPE=3
//I4524C12 JOB (601P,LMP3,200,10),'41777 CHADWICK',TIME=5
/*ROUTE  PRINT LOCAL
//* ************************************************************************
//* *                                                                      *
//* *                                                                      *
//* *  * * *  PGM: R-MOE34C  * * *                                       *
//* *                                                                      *
//* *       THIS PROGRAM PRODUCES MOE COMPUTATION SHEETS III AND IV        *
//* *  (SEE FIGURE 11).  THIS 'C' VERSION ROUNDS ANY FRACTIONAL 2 MONTH    *
//* *  ERO USAGE LESS THAN 0.15 DOWN AND GREATER THAN 0.15 UP.             *
//* *                                                                      *
//* *       SEE DESCRIPTION IN PGM: R-MOE34A                               *
//* *                                                                      *
//* *                                                                      *
//* *  INPUT FILES: 1. DSN=HQMC1.LPS2.I4524.CONSII                         *
//* *                  FD:  EXPDCONS                                       *
//* *                                                                      *
//* *               2. DSN=HQMC1.LPS2.I4524.ERO1I                          *
//* *                  FD:  ERO-SUBF                                       *
//* *                                                                      *
//* *  OUTPUT FILES:NONE                                                   *
//* *                                                                      *
//* ************************************************************************


//SORTIN DD DSN=HQMC1.LPS2.I4524.CONSII,DISP=OLD
//SORTWK01 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN)),SEP=SORTIN
//SORTWK02 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN,SORTWK01)),
//            SEP=(SORTIN,SORTWK01)
//SORTWK03 DD SPACE=(TRK,50),SEP=(SORTIN,SORTWK01,SORTWK02),
//            UNIT=(SYSDA,SEP=(SORTIN,SORTWK01,SORTWK02))
//SORTOUT DD DSN=HQMC1.LPS2.I4524.CONSLIST,
//      DISP=(,PASS,DELETE),
//      UNIT=SYSDA,
//      DCB=(RECFM=FB,LRECL=103,BLKSIZE=5150),
//      SPACE=(5150,(30,10),RLSE)
//SYSPRINT DD SYSOUT=A
//SYSOUT DD SYSOUT=A
//SYSIN DD *
  SORT FIELDS=(64,13,CH,A,1,6,CH,A)
/*
//SORT EXEC PGM=IERRCO00,REGION=150K
//SORTLIB DD DSNAME=SYS1.SORTLIB,DISP=SHR
//SORTIN DD DSN=HQMC1.LPS2.I4524.ERO1I,DISP=OLD
//SORTWK01 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN)),SEP=SORTIN
//SORTWK02 DD SPACE=(TRK,50),UNIT=(SYSDA,SEP=(SORTIN,SORTWK01)),
//            SEP=(SORTIN,SORTWK01)
//SORTWK03 DD SPACE=(TRK,50),SEP=(SORTIN,SORTWK01,SORTWK02),
//            UNIT=(SYSDA,SEP=(SORTIN,SORTWK01,SORTWK02))
//SORTOUT DD DSN=HQMC1.LPS2.I4524.ERDWK1,
//      DISP=(,PASS,DELETE),
//      UNIT=SYSDA,
//      DCB=(RECFM=FB,LRECL=50,BLKSIZE=900),
//      SPACE=(TRK,(150,20),RLSE)
//SYSPRINT DD SYSOUT=A
//SYSOUT DD SYSOUT=A
//SYSIN DD *
  SORT FIELDS=(51,13,CH,A,33,6,CH,A)
/*
```

Figure 11 (1 of 8

```
//STP2 EXEC MARKIV,DEPT=USER
//EXT.M4OLD DD DSN=M9MC1.LPS2.I4524.ERDWK1,DISP=OLD
//EXT.M4SUBF1 DD DSN=M9MC1.LPS2.I4524.ERDWK2,
//      DISP=(,PASS,DELETE),
//      UNIT=SYSDA,
//      DCB=(RECFM=FB,LRECL=90,BLKSIZE=900),

//      SPACE=(TRK,(150,20),RLSE)
//EXT.M4INPUT DD *
STP1    RCERD-SUBFS U   S   *
STP1    RFERDSUBF SM4SUBF1

STP1    AA   SCANDATA JOB: LPS2DLC (856)
STP1    AA
STP1    AA   THIS STEP AGGREGATES DUPLICATE PNSN/ID NUMBER PAIRS
STP1    AA   THE ERD SUBFILE MUST BE SORTED BY PNSN / ID.
STP1    AA
ERD-DUPSERTODAY
ERD-DUPSPR      PNSN    EQTPART-NSN
ERD-DUPSPR    A ID-NO   EQTID-NO
ERD-DUPSPR              NS 506
ERD-DUPSAA
ERD-DUPSAA   SAME PNSN/ID AS LAST RECORD
ERD-DUPSAA
ERD-DUPSPR      ADJ-QTY / D8.00                          TTEMPQTY
ERD-DUPSPR     TTEMPQTY + TADJ-QTY                       TADJ-QTY
ERD-DUPSPR              GO END
ERD-DUPSAA
ERD-DUPSAA   DIFFERENT PNSN/ID PAIR
ERD-DUPSAA
ERD-DUPSPR500           GO SUB OUT-RECD
ERD-DUPSPR510           R  PNSN                          TPART-NSN
ERD-DUPSPR520           R  PARTQUAL                      TPARTQUAL
ERD-DUPSPR530           R  NORS                          TNORS
ERD-DUPSPR540           R  ID-NO                         TID-NO
ERD-DUPSPR550           R  SER-NO                        TSER-NO
ERD-DUPSPR560           R  QTY                           TQTY
ERD-DUPSPR550   ADJ-QTY / D8.00                          TADJ-QTY
ERD-DUPSPR550           GO END
ERD-DUPSTFPART-NSN  13
ERD-DUPSTFPARTQUAL   1
ERD-DUPSTFADJ-QTY   822
ERD-DUPSTFNORS       1
ERD-DUPSTFDATEDIFF  42
ERD-DUPSTFERD        5
ERD-DUPSTFID-NO      6
ERD-DUPSTFSER-NO    10
ERD-DUPSTFQTY        22
ERD-DUPSTFTEMPQTY   822
OUT-RECIER                                          S
OUT-RECIPR     TPART-NSNNEC
OUT-RECIPR              NS END
OUT-RECIPR      CODE    EQCR
OUT-RECIPR              NS 100
OUT-RECIPP     TADJ-QTY / I2.0                          TADJ-QTY
OUT-RECIPP100  TADJ-QTY LE9.21
OUT-RECIPP110           NS OUTPUT

OUT-RECIPP120           P D8.01                          TADJ-QTY
OUT-RECIE1                          NR ERDSUBF   10F
```

Figure 11 (2 of 8)

```
OUT-RECDR1      TPART-NSN  1 1
OUT-RECDR1      TFCFTOTAL
OUT-RECDR1      TADJ-QTY
OUT-RECDR1      TNOPE
OUT-RECDR1      TIIEDIFF
OUT-RECDR1      TERC
OUT-RECDR1      TII-IC      2
OUT-RECDR1      TSER-NO
OUT-RECDR1      TQTY
OUT-RECDR1      TPART-NSN
OUT-RECDR1       ERO-TYPE
OUT-RECDR1       U/P
OUT-RECDR1       CODE
OUT-RECDR1       NOMEN
OUT-RECDT1   ERO SUBFILE SORTED BY PNSN THEN ID-NO W/O DUPS$
/*
//STP2 EXEC MARKIV,DEPT=USER
//EXT.M4REPO DD UNIT=2400-3
//EXT.M4OLD DD DSN=HQMC1.LPS2.I4524.EROWK2,DISP=OLD
//EXT.M4CORD1 DD DSN=HQMC1.LPS2.I4524.CONSLIST,DISP=OLD
//EXT.M4INPUT DD *
STP2     RCERO-SUBFS E    S    $
STP2     RFEXPDCONSSM4CORD1 PNSN     ID-NO              U
STP2     AA     BOTH THE ERO AND CONS ASSUMED SORTED BY:
STP2     AA          (PNSN / ID-NO / CODE)
CONS-ERCERTODAY                                                    Y
CONS-ERCPR      FECORD    EQCL                                   1 1
CONS-ERCPR                NS 300
CONS-ERCAA
CONS-ERCAA    NSN IN CONSLIST BUT NO ERO USAGE INDICATED
CONS-ERCAA
CONS-ERCPR                R D0                          TFCT-USG
CONS-ERCPR                R D0                          TRND-INT
CONS-ERCPR                R D1                          TIIP-CNT
CONS-ERCPR      1GOL-QTY  GTD0
CONS-ERCPR                NS 400
CONS-ERCPR                R D1                          TGOL-CNT
CONS-ERCPR                GO 400
CONS-ERCPR300   FECORD    EQCM                                   1 1
CONS-ERCPR310             NS 700
CONS-ERCPR312             R CY                          TMATCHSW
CONS-ERCAA
CONS-ERCAA    NSN IS IN CONSLIST AND DOES HAVE ERO USAGE
CONS-ERCAA
CONS-ERCAA
CONS-ERCPR314             R D1                          TIIP-CNT
CONS-ERCPR315   1GOL-QTY  GTD0
CONS-ERCPR316             NS 320
CONS-ERCPR317             R D1                          TGOL-CNT
CONS-ERCAA
CONS-ERCAA    *** ROUNDING CONVENTION ***
CONS-ERCAA
CONS-ERCAA   PART USAGE LESS THAN 0.15 IS ROUNDED DOWN TO THE NEXT
CONS-ERCAA   LOWEST INTEGER.
CONS-ERCAA
CONS-ERCPR320             R  ADJ-QTY                    TFCT-USG
CONS-ERCPR325   TFCT-USG * .15.85                       TFNI-USG
CONS-ERCPR330   TRND-USG * 01                           TRNI-INT
CONS-ERCAA
```

```
CONS-ERCAA   THE FOLLOWING APPLIES IF THE NSN IS IN THE CONSLIST AT ALL
CONS-ERCAA
CONS-ERCPR400           R 1ID-NO        ANNEX I                 TID-NO
CONS-ERCPR405           R 1CODE                                 TCODE
CONS-ERCPR410           R 1PNSN                                 TNSN        1130
CONS-ERCPR420           R 1GOL-QTY                              TGOL-QTY
CONS-ERCPR430           R 1UNIT-PRC                             TUNIT-PRC
CONS-ERCPR440           R 1NOMEN                                TNSN-NOMN
CONS-ERCPR450           GO 900
CONS-ERCAA
CONS-ERCAA   NSN HAS ERD USAGE BUT IS NOT IN .CONSLIST

CONS-ERCAA
CONS-ERCPR700  TMATCHSW EQCY
CONS-ERCPR710           NS 800
CONS-ERCPR720           R CN                                    TMATCHSW
CONS-ERCPR730           GO END
CONS-ERCPR800           R D0                                    TGOL-QTY
CONS-ERCAA   ***  ROUNDING CONVENTION  ***
CONS-ERCPR810           R  ADJ-QTY                              TFCT-USG
CONS-ERCPR815  TFCT-USG * D0.85                                 TRND-USG
CONS-ERCPR820  TRND-USG * D1                                    TRND-INT
CONS-ERCPR830           R  ID-NO                                TID-NO
CONS-ERCPR835           R  CODE                                 TCODE
CONS-ERCPR840           R  PART-NSN                             TNSN
CONS-ERCPR850           R  NOMEN                                TNSN-NOMN
CONS-ERCPR860   U/P     * D1                                    TUNIT-PRC
CONS-ERCAA
CONS-ERCAA   THE FOLLOWING COMPUTATIONS APPLY FOR ALL OUTPUT LINES
CONS-ERCAA
CONS-ERCPR900  TID-NO   TLLPROV-ID                              TID-NOMN
CONS-ERCPR902           R CCONSUMABLES                          TCLASS
CONS-ERCPR904  TCODE    EQCR
CONS-ERCPR906           NS 908
CONS-ERCPR907           R CREPAIRABLES                          TCLASS
CONS-ERCPR908  TRND-INT * D1                                    TRND-USG
CONS-ERCAA
CONS-ERCAA   IF GOL AND ERD USAGE ARE **EVEN**
CONS-ERCAA
CONS-ERCPR910  TRND-USG EQTGOL-QTY
CONS-ERCPR911           NS 920
CONS-ERCPR912  TRND-USG EQD0
CONS-ERCPR913           NS 916
CONS-ERCPR914           R CZEROS                                TCATEGORY
CONS-ERCPR915           GO 990
CONS-ERCPR916           R CEVEN                                 TCATEGORY
CONS-ERCPR917           R D1                                    TEVEN-CNT
CONS-ERCPR918           GO 990
CONS-ERCAA
CONS-ERCAA   IF GOL IS **OVER** ROUNDED USAGE
CONS-ERCAA
CONS-ERCPR920  TRND-USG LTTGOL-QTY
CONS-ERCPR922           NS 950
CONS-ERCPR924           R COVER                                 TCATEGORY
CONS-ERCPR926  TGOL-QTY - TRND-USG                              TOVER-QTY
CONS-ERCPR928  TOVER-QTY* TUNIT-PRC                             TOVER-COST
CONS-ERCPR930           R D1                                    TOVER-I
CONS-ERCPR932  TFCT-USG EQI0

CONS-ERCPR934           NS 990
```

Figure 11 (4 of 8)

```
CONS-ERCPR936           R D1                                TOVER-ZER
CONS-ERCPR940           GO 990
CONS-ERCAA
CONS-ERCAA    IF GOL IS **SHORT** OF ROUNDED USAGE
CONS-ERCAA
CONS-ERCPR950  TRND-USG GTTGOL-QTY
CONS-ERCPR952           MS END
CONS-ERCPR954           R CSHORT                            TCATEGORY
CONS-ERCPR956  TRND-USG - TGOL-QTY                          TSHRT-QTY
CONS-ERCPR958  TSHRT-QTY* TUNIT-PRC                         TSHRT-CST
CONS-ERCPR960  TGOL-QTY EQ00
CONS-ERCPR962           MS 960
CONS-ERCPR964           R D1                                TSHRT-R
CONS-ERCPR966           GO 990
CONS-ERCPR968           R D1                                TSHRT-D
CONS-ERCPR970           GO 990
CONS-ERCPR990           GO SUB OUT-LINE
CONS-ERCPR995           GO END
CONS-ERCTFCATEGORY  5                       PROVISIONING    CATEGORY
CONS-ERCTFECT-USG   822                     FACTORED        ERO USAGE
CONS-ERCTFRNI-USG   522                     ROUNDED         ERO USAGE
CONS-ERCTFRNI-INT   52       0              INTEGER         ROUNDING
CONS-ERCTFGOL-QTY   52                      GOL             PROV QTY
CONS-ERCTFNSN      13                       NSN
CONS-ERCTFNSN-NOMN 19                       NSN             NOMEN
CONS-ERCTFUNIT-PRC 1222                     UNIT            PRICE
CONS-ERCTFSHRT-R    42                      SHORTAGE        RANGE
CONS-ERCTFSHRT-D    42                      SHORTAGE        DEPTH
CONS-ERCTFSHRT-QTY  42                      SHORTAGE        QTY
CONS-ERCTFSHRT-CST 1222                     SHORTAGE        COST
CONS-ERCTFOVER-ZER  42                      PROVISIONED     W/ZERO DEMAND
CONS-ERCTFOVER-D    42                      OVERAGE         DEPTH
CONS-ERCTFOVER-QTY  42                      OVERAGE         QTY
CONS-ERCTFOVER-CST 1222                     OVERAGE         COST
CONS-ERCTFEVEN-CNT  52       0              EVEN            COUNTER
CONS-ERCTFIIP-CNT   52       0              IIP             COUNTER
CONS-ERCTFGOL-CNT   52       0              GOL             COUNTER
CONS-ERCTFCODE     1C                       CONS/RPRL       CODE
CONS-ERCTFCLASS   120                       CONS/RPRL       LABEL
CONS-ERCTFII-NO     6
CONS-ERCTFII-NOMN  90C
OUT-LINEER                                                  S
OUT-LINEPR      TII-NO   EQC0                                       1 1
OUT-LINEEIY
OUT-LINER1      TII-NO     Y1 1
OUT-LINER1      TII-NOMN   Y  1
OUT-LINER1      TCLASS     Y2 2
OUT-LINER1      TSHRT-R    Y    2                        $$$$$$.$$
OUT-LINER1      TSHRT-I    Y    2                        $$$$$$.$$
OUT-LINER1      TSHRT-CST  Y    2                        $$$$$$.$$
OUT-LINER1      TOVER-ZER  Y    2                        $$$$$$.$$
OUT-LINER1      TOVER-D    Y    2                        $$$$$$.$$
OUT-LINER1      TOVER-CST  Y    2                        $$$$$$.$$
OUT-LINER1      TEVEN-CNT  Y    2                        $$$$$$.$$
OUT-LINER1      TGOL-CNT   Y    2                        $$$$$$.$$
OUT-LINER1      TIIP-CNT   Y    2                        $$$$$$.$$
OUT-LINEF1   45E  #MSMC PROVISIONING REVIEW STUDY#                  1 1
OUT-LINEF1   52E  #ROE COMPUTATION SHEET III#                      2 2
OUT-LINEF1   50E  #END ITEM SUMMARIES  (II MAF)#                    3 1
```

Figure 11 (5 of 8)

```
OUT-LINEF1    1S
OUT-LINEF1    C (DATE#   10T8   #PAGE: #  F PAGE#                          ##
OUT-LINEF1    2S
              2S
              1L
              1
                          T II-NO:      ,  # T.ID-NOMN#
              1S
              1
              1
              1S
OUT-LINEF1    2L   10#   #SHORTAGES:  (1)  NUMBER OF NSNS WHICH HAD A #
OUT-LINEF1                #ROUNDED 2 MO. ERO USAGE GREATER THAN ZERO.#
OUT-LINEF1                          8#    TOTAL T.SHRT-F#2                ##
OUT-LINEF1    2L   27#   #BUT WHICH HAD NO GOL PROVISIONED.#
OUT-LINEF1                # (LABEL: RANGE - 'RNG')#                        ##
OUT-LINEF1    1S
OUT-LINEF1    2L   22#   #(2)  NUMBER OF NSNS WHICH HAD GOL PROVISIONED,#
OUT-LINEF1                # BUT HAD A ROUNDED 2 MO. ERO#
OUT-LINEF1                          8#    TOTAL T.SHRT-D#2                ##
OUT-LINEF1    2L   27#   #USAGE IN EXCESS OF THE GOL PROV. QTY:#
OUT-LINEF1                # (LABEL: DEPTH - 'DEP')#                        ##
OUT-LINEF1    1S
OUT-LINEF1    2L   22#   #(3)  TOTAL DOLLAR VALUE OF THE DIFFERENCE #
OUT-LINEF1                 #BETWEEN THE 2 MO. ERO USAGE AND#
OUT-LINEF1                          9#    TOTAL T.SHRT-CST#2              ##
OUT-LINEF1    2L   27#   #THE GOL PROV. QTY (WHEN USAGE IS GREATER):#     ##
OUT-LINEF1    2S
OUT-LINEF1    2L   10#   #OVERAGES:   (4)  NUMBER OF NSNS WHICH HAD #
OUT-LINEF1                #A POSITIVE GOL PROV. QTY, BUT HAD ZERO#
OUT-LINEF1                         14#    TOTAL T.OVER-ZER#2              ##
OUT-LINEF1    2L   27#   #DEMANDS IN THE ERO FILE: (LABEL: NO DEMAND #
OUT-LINEF1                #- 'NO DMD')#                                    ##
OUT-LINEF1    1S
OUT-LINEF1    2L   22#   #(5)  NUMBER OF NSNS IN WHICH THE GOL PROV. QTY#
OUT-LINEF1                # IS GREATER THAN THE 2 MO.#
OUT-LINEF1                          10#    TOTAL T.OVER-D#2                ##
OUT-LINEF1    2L   27#   #ROUNDED ERO USAGE: (LABEL: DEPTH -'DEP')#       ##
OUT-LINEF1    1S
OUT-LINEF1    2L   22#   #(6)  TOTAL DOLLAR VALUE OF THE DIFFERENCE #
OUT-LINEF1                #BETWEEN THE GOL PROV. QTY AND#
OUT-LINEF1                          11#    TOTAL T.OVER-CST#2              ##
OUT-LINEF1    2L   27#   #THE 2 MO. ROUNDED ERO USAGE (WHEN USAGE #
OUT-LINEF1                #IS LESS):#                                      ##
OUT-LINEF1    2S
OUT-LINEF1    2L   10#   #EVEN:# 7# #(7)  NUMBER OF NSNS IN WHICH THE #
OUT-LINEF1                #GOL PROV QTY AND THE 2 MO. ROUNDED ERO#
OUT-LINEF1                          11#    TOTAL T.EVEN-CNT#2              ##
OUT-LINEF1    2L   27#   #ARE THE SAME (NOT EQUAL TO ZERO):#              ##
OUT-LINEF1    2S
OUT-LINEF1    2L   10#   #CONSLIST:   (8)  NUMBER OF NSNS FOR WHICH GOL #
OUT-LINEF1                #WAS PROVISIONED:# 32# TOTAL T.GOL-CNT#2         ##
OUT-LINEF1    1S
OUT-LINEF1    2L   22#   #(9)  TOTAL NUMBER OF NSNS PROVISIONED #
OUT-LINEF1                #(IIP):#  38#    TOTAL T.IIP-CNT#2               ##
OUT-LINEF1    5S
OUT-LINEF1    2L   27#   #NOTE 1:  2 MO. ROUNDED ERO USAGE IS THE #
OUT-LINEF1                #COMPUTED PART USAGE (.1E+) ROUNDED UP#          ##
OUT-LINEF1    1S
OUT-LINEF1    2L   27#   #NOTE 2:  LINE (2) + (5) + (7)  =  LINE (6)#    ##
OUT-LINEF1    ************************************************#
OUT-LINEF1    #                                                +#
OUT-LINEF1    #   HEADQUARTERS, UNITED STATES MARINE CORPS     +#
```

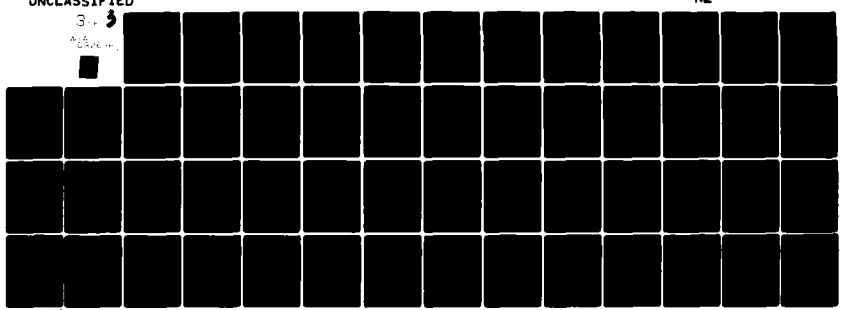
Figure 11 (6 of 8)

```
OUT-LINEP1   *        PROVISIONING POLICY REVIEW STUDY          *$
OUT-LINEP1   *                                                  *$
OUT-LINEP1   *           MOE SHEETS III + IV, (SOL)             *$
OUT-LINEP1   *         ERO USAGE (.1S-) ROUNIEI DOUN            *$
OUT-LINEP1   *                    II MAF                        *$
OUT-LINEP1   *                                                  *$
OUT-LINEP1   ****************************************************$
OUT-LINEP1                                                       $
OUT-LINEP1                                                       $
OUT-LINEP1                                                       $
OUT-LINEP1                                                       $
OUT-LINEP1       ADJUSTED TWO MONTH ERO USAGE IS ROUNIED USING THE      $
OUT-LINEP1   STATED CONVENTION AND COMPAREI TO THE CONSOLIDATEI LIST.   $
OUT-LINEP1   FOR EACH ID NUMBER, QUANTITY IIFFERENCES ARE BROKEN DOWN   $
OUT-LINEP1   BY CONSUMABLE AND REPAIRABLE CLASSES INTO THE FOLLOWING    $
OUT-LINEP1   CATEGORIES:                                                $
OUT-LINEP1              1) EVEN:          BOTH THE ROUNIED ERO USAGE AND $
OUT-LINEP1                                THE CONSLIST SOL QTY ARE THE   $
OUT-LINEP1                                SAME AND GREATER THAN ZERO.    $
OUT-LINEP1                                                               $
OUT-LINEP1              2) OVERAGE:       THE ROUNIED ERO USAGE IS LESS  $
OUT-LINEP1                                THAN THE CONSLIST SOL QUANTITY. $
OUT-LINEP1                                                               $
OUT-LINEP1              3) SHORTAGE:      THE ROUNIED ERO USAGE IS GREATER$
OUT-LINEP1                                THAN THE CONSLIST SOL QUANTITY. $
OUT-LINEP1                                                               $
OUT-LINEP1              4) ZEROS:         THE ROUNIED ERO USAGE AND THE  $
OUT-LINEP1                                SOL QTY ARE BOTH ZERO.         $
OUT-LINEE2Y
OUT-LINEP2      TII-NO     Y1 1
OUT-LINER2      TII-NOMN   Y  1
OUT-LINER2      TCLASS     Y2 2
OUT-LINER2      TCATEGORY  Y3 3
OUT-LINEP2      TNSN       Y4 4                          $$$$-$$-$$$$$$$
OUT-LINER2      TNSN-NOMN  Y  4
OUT-LINER2      TFCT-USG   Y     4                       $$$$$.$$
OUT-LINER2      TRMD-USG   Y     4                       $$$.$
OUT-LINER2      TSOL-QTY   Y     4                       $$$.$
OUT-LINEP2      TUNIT-PRC  Y     4                       $$$$$.$$
OUT-LINER2      TSHRT-R    Y     4                       $
OUT-LINER2      TSHRT-D    Y     4                       $
OUT-LINER2      TSHRT-QTY  Y     4                       $$$
OUT-LINER2      TSHRT-CST  Y     4                       $$$$$$$.$$
OUT-LINER2      TOVER-ZER  Y     4                       $
OUT-LINER2      TOVER-D    Y     4                       $
OUT-LINER2      TOVER-QTY  Y     4                       $$$
OUT-LINER2      TOVER-CST  Y     4                       $$$$$$$.$$
OUT-LINEP2   49S  $PROMC PROVISIONING REVIEW STUIY$                        $$
OUT-LINEP2   52S  $MOE COMPUTATION SHEET IV$                              $$
OUT-LINEP2   48S  $ENI ITEM DETAILED IATA  (II MAF)$                       $$
OUT-LINEP2   1S
OUT-LINEP2   F.IATE$  1978  $PAGE: $  F.PAGE$                             $$
OUT-LINEP2   2S
OUT-LINEP2   $ID NO.  $  T.ID-NO$  $  ,  $  T.II-NOMN$                     $$
OUT-LINEP2   1S
OUT-LINEP2   T.CLASS$  $ WHICH WERE PROVISIONEI (SOL) $ T.CATEGORY$
OUT-LINEP2   12S  $** ERO USAGE (.1S-) ROUNIEI TO:N **$                    $$
OUT-LINEP2   2S
OUT-LINEP2   SS  $REFERREI$  11S  $NSN$  11S  $.....E R O.....$
```

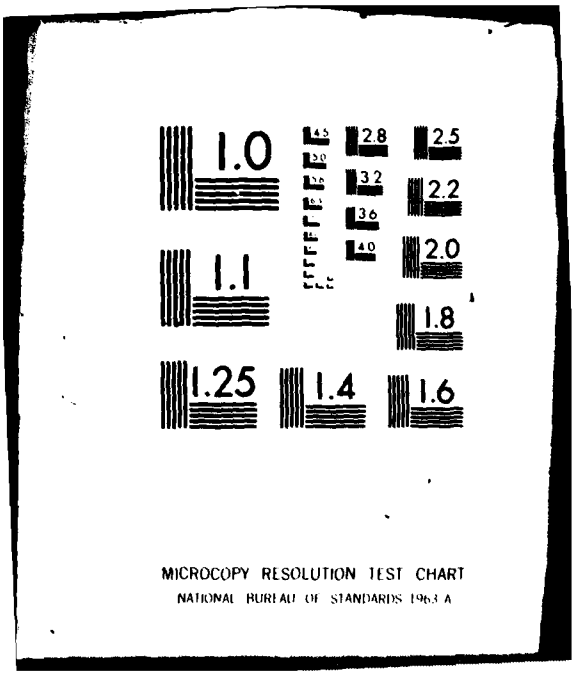
Figure 11 (7 of 8)

AD-A092 698 MARINE CORPS WASHINGTON DC F/G 15/5
MARINE CORPS PROVISIONING POLICY REVIEW STAFF STUDY REPORT.(U)
OCT 80

UNCLASSIFIED NL



END
DATE FILMED
1-81
DTIC


1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

ANNEX I

```
OUT-LINEF2   2E  $ITEM$  3B  $UNIT$  6E  $....S H O R T A G E S...$
OUT-LINEF2   4B  $.....O V E R A G E S.....$                          $$
OUT-LINEF2   9E  $NSN#  17B  $NOMENE  11E  $FACTORED  PRI$ 2B
OUT-LINEF2   $COL   PRICE$  5E  $RNO  DEF  QTY  NSN COST$ 4B
OUT-LINEF2   $NO-ITM  DEF  QTY  NSN COST$                             $$
OUT-LINEF2   1S
OUT-LINEF2   3P
OUT-LINEF2   4L  2B  T.NSNE  2B  T.NSN-NOMNE
OUT-LINEF2   2B  TOTAL T.FCT-USG$4    2B  TOTAL T.RND-USG$4
OUT-LINEF2   1B  TOTAL T.COL-QTY$4    1B  TOTAL T.UNIT-PRC$4
OUT-LINEF2   4B  TOTAL T.SHRT-R$4     4B  TOTAL T.SHRT-D$4
OUT-LINEF2   3B  TOTAL T.SHRT-QTY$4   2B  TOTAL T.SHRT-CST$4
OUT-LINEF2   6B  TOTAL T.OVER-ZER$4   5B  TOTAL T.OVER-D$4
OUT-LINEF2   3B  TOTAL T.OVER-QTY$4   2B  TOTAL T.OVER-CST$4          $$
/*
```

Figure 11 (8 of 8)

```
/*TAPE=3
//I4524C02 JOB (601R,LMP3,200,20),'41777 CHADWIC',TIME=5
/*ROUTE  PRINT LOCAL
//* ************************************************************************
//* *                                                                      *
//* *  * * *  PGM, R-MCE1  * * *                                          *
//* *                                                                      *
//* *       THIS PROGRAM PRODUCES MCE COMPUTAT       ; SEE FIGURE        *
//* *  12).  VARIOUS WAITING TIME FACTORS FOR BOTH NSN AND NON-NSN PART*
//* *  REQUISITIONS ARE COMPUTED.  THE EFFECT OF 'NORS' REQUISITIONS IS*
//* *  COMPUTED AS WELL AS THE MAXIMUM WAITING TIME PER ERO.             *
//* *                                                                      *
//* *                                                                      *
//* *  INPUT FILE:  DSN=HQMC1.LPS2.I4524.ERO11                           *
//* *               FD:   ERO-SUBF                                        *
//* *                                                                      *
//* *                                                                      *
//* *  OUTPUT FILE:  NONE                                                *
//* *                                                                      *
//* *                                                                      *
//* ************************************************************************
//STP1 EXEC MARKIV,DEPT=USER
//EXT.M4OLD DD DSN=HQMC1.LPS2.I4524.EROSUBF,DISP=SHR
//EXT.M4INPUT DD *
STP1     RCERO-SUBFS U    S    *      Y
STP1     RPFREESIZE4K
STP1     AA
STP1     AA   THIS PGM ASSUMES THAT EROSUBF IS SORTED BY:
STP1     AA        (ID-NO / SER-NO / ERO-TYPE / ERO / CODE)
MAIN-PGMERTODAY
MAIN-PGMTFERO-OVAL   8Z                          ERO COUNT      (OVERALL)
MAIN-PGMTFERO-NSN    8Z                          ERO COUNT      (NSN)
MAIN-PGMTFERO-NON    8Z                          ERO COUNT      (NON-NSN)
MAIN-PGMTFPRT-OVAL  10Z                          PART COUNT     (OVERALL)
MAIN-PGMTFPRT-NSN   10Z                          PART COUNT     (NSN)
MAIN-PGMTFPRT-NON   10Z                          PART COUNT     (NON-NSN)
MAIN-PGMTFSUM-OVAL  12Z                          TOTAL DTDIFF   (OVERALL)
MAIN-PGMTFSUM-NSN   12Z                          TOTAL DTDIFF   (NSN)
MAIN-PGMTFSUM-NON   12Z                          TOTAL DTDIFF   (NON-NSN)
MAIN-PGMTFMAX-OVAL  12Z                          TOT MAX DTDIFF(OVERALL)
MAIN-PGMTFMAX-NSN   12Z                          TOT MAX DTDIFF(NSN)
MAIN-PGMTFMAX-NON   12Z                          TOT MAX DTDIFF(NON-NSN)
MAIN-PGMTFNOR-OVAL  12Z                          MAX NORS DTDIF(OVERALL)
MAIN-PGMTFNOR-NSN   12Z                          MAX NORS DTDIF(NSN)
MAIN-PGMTFNOR-NON   12Z                          MAX NORS DTDIF(NON-NSN)
MAIN-PGMTFNCT-OVAL   8Z                          NO. EROS W/   NORS REQN
MAIN-PGMTFNCT-NSN    8Z                          NO. EROS W/   NSN NORS
MAIN-PGMTFNCT-NON    8Z                          NO. EROS W/   NON-NSN NORS
MAIN-PGMTFLASTERO    5C                          LAST ERO
MAIN-PGMTFLASTID     6C                          LAST ID
MAIN-PGMTFLASTCODE   1C                          LAST CODE
MAIN-PGMTFLASTTYPE   2C
MAIN-PGMTFCLASS     13C                          (C) CONS       (R) RPRL
MAIN-PGMTFLASTNOMN  30C                          LAST NOMEN
MAIN-PGMTFNOMEN1    60C
MAIN-PGMTFNOMEN2    30C
MAIN-PGMTFLASTSER   18C                          LAST SER NO
MAIN-PGMFR       ID-NO   EQTLASTID
MAIN-PGMFR     A SER-NO  EQTLASTSER
MAIN-PGMFR     A ERO-TYPEEQTLASTTYPE
```

Figure 12 (1 of 5)

```
MAIN-PGMPR     A ERO      EDTLASTERO
MAIN-PGMPR     A CODE     EDTLASTCODE
MAIN-PGMPR                NS 500
MAIN-PGMAA
MAIN-PGMAA    PROCESSING IF THIS RECD HAS SAME ERO AND SAME CLASS
MAIN-PGMAA    AS THE PREVIOUS ERO.                    (S / (R) RPRL

MAIN-PGMAA
MAIN-PGMPR                GO SUB TF-UPDTE
MAIN-PGMPR                GO END
MAIN-PGMAA

MAIN-PGMAA    PROCESSING IF THIS RECD HAS A DIFFERENT ERO OR CLASS.
MAIN-PGMAA
MAIN-PGMPR500  TLASTID    NEC
MAIN-PGMPR502             NS 510
MAIN-PGMPR504             GO SUB RPT-OUT
MAIN-PGMPR510             R  ID-NO                          TLASTID
MAIN-PGMPR520             R  SER-NO                         TLASTSER
MAIN-PGMPR525             R  ERO-TYPE                       TLASTTYPE
MAIN-PGMPR530             R  ERO                            TLASTERO
MAIN-PGMPR532             R  CODE                           TLASTCODE
MAIN-PGMPR540             R D0                              TERO-OVAL
MAIN-PGMPR550             R D0                              TERO-NSN
MAIN-PGMPR560             R D0                              TERO-NON
MAIN-PGMPR570             R D0                              TPRT-OVAL
MAIN-PGMPR580             R D0                              TPRT-NSN
MAIN-PGMPR590             R D0                              TPRT-NON
MAIN-PGMPR600             R D0                              TSUM-OVAL
MAIN-PGMPR610             R D0                              TSUM-NSN
MAIN-PGMPR620             R D0                              TSUM-NON
MAIN-PGMPR630             R D0                              TMAX-OVAL
MAIN-PGMPR640             R D0                              TMAX-NSN
MAIN-PGMPR650             R D0                              TMAX-NON
MAIN-PGMPR660             R D0                              TNOR-OVAL
MAIN-PGMPR670             R D0                              TNOR-NSN
MAIN-PGMPR680             R D0                              TNOR-NON
MAIN-PGMPR682             R D0                              TNCT-NSN
MAIN-PGMPR684             R D0                              TNCT-NON
MAIN-PGMPR686             R D0                              TNCT-OVAL
MAIN-PGMPR690   ID-NO     TELPROV-ID                        TLASTNOMN
MAIN-PGMPR692             R TLASTNOMN                       TNOMEN1   169B
MAIN-PGMPR694             R TLASTNOMN                       TNOMEN2  61308
MAIN-PGMPR700             GO SUB TF-UPDTE
MAIN-PGMPR710             GO END
TF-UPDTEERTODAY                                        S
TF-UPDTEAA
TF-UPDTEAA    THIS SUBROUTINE UPDATES EACH OF THE TEMP FIELDS BASED
TF-UPDTEAA    ON THE PART DATA FROM THIS ERO SUBFILE RECORD
TF-UPDTEAA
TF-UPDTEPR                R C1                              TERO-OVAL
TF-UPDTEPR     TPRT-OVAL* D1                                TPRT-OVAL
TF-UPDTEPR      DATEDIFF* TSUM-OVAL                         TSUM-OVAL
TF-UPDTEPR      DATEDIFFGTTMAX-OVAL
TF-UPDTEPR                NS 100
TF-UPDTEPR                R  DATEDIFF                       TMAX-OVAL
TF-UPDTEPR100   NORS      EQCN

TF-UPDTEPR105   NORS      EQCE
TF-UPDTEPR110             NS 286
```

Figure 1. (cont'd)

```
TF-UPDTEPR115            R D1                                  TNCT-OVAL
TF-UPDTEPR130   DATEDIFFGTTNOR-OVAL
TF-UPDTEPR135            NS 200
TF-UPDTEPR140            R  DATEDIFF                           TNOR-OVAL
TF-UPDTEAA
TF-UPDTEAA   IF THE PART IS A NSN
TF-UPDTEAA
TF-UPDTEPR200   PARTQUALEQCN
TF-UPDTEPR210            NS 500
TF-UPDTEPR212            R C1                                  TERO-NSN
TF-UPDTEPR213  TPRT-NSN + D1                                   TPRT-NSN
TF-UPDTEPR214   DATEDIFF+ TSUM-NSN                             TSUM-NSN
TF-UPDTEPR220   DATEDIFFGTTMAX-NSN
TF-UPDTEPR230            NS 250
TF-UPDTEPR240            R  DATEDIFF                           TMAX-NSN
TF-UPDTEPR250   NORS     EQCN
TF-UPDTEPR255   NORS     EQCE
TF-UPDTEPR260            NS RETURN
TF-UPDTEPR265            R D1                                  TNCT-NSN
TF-UPDTEPR270   DATEDIFFGTTNOR-NSN
TF-UPDTEPR280            NS RETURN
TF-UPDTEPR290            R  DATEDIFF                           TNOR-NSN
TF-UPDTEPR300            GO RETURN
TF-UPDTEAA
TF-UPDTEAA   IF PART IS **NOT** AN NSN
TF-UPDTEAA
TF-UPDTEPR500   PARTQUALEQCX
TF-UPDTEPR510            NS RETURN
TF-UPDTEPR515            R C1                                  TERO-NON
TF-UPDTEPR517  TPRT-NON + D1                                   TPRT-NON
TF-UPDTEPR520   DATEDIFF+ TSUM-NON                             TSUM-NON
TF-UPDTEPR530   DATEDIFFGTTMAX-NON
TF-UPDTEPR540            NS 600
TF-UPDTEPR550            R  DATEDIFF                           TMAX-NON
TF-UPDTEPR600   NORS     EQCN
TF-UPDTEPR605   NORS     EQCE
TF-UPDTEPR610            NS RETURN
TF-UPDTEPR615            R D1                                  TNCT-NON
TF-UPDTEPR620   DATEDIFFGTTNOR-NON
TF-UPDTEPR630            NS RETURN
TF-UPDTEPR640            R  DATEDIFF                           TNOR-NON
RPT-OUT ER                                                  S
RPT-OUT PR               R CCONS: END-ITM                      TCLASS
RPT-OUT PR     TLASTCODEEQCR
RPT-OUT PR    ATLASTTYPEEQCEE
RPT-OUT PR               NS 100
RPT-OUT PR               R CRPRL: END-ITM                      TCLASS
RPT-OUT PR               GO OUTPUT
RPT-OUT PR100  TLASTCODEEQCC
RPT-OUT PR110 ATLASTTYPEEQCSE
RPT-OUT PR120            NS OUTPUT
RPT-OUT PR130            R CCONS: SEC-REP                      TCLASS
RPT-OUT E1Y
RPT-OUT R1      TLASTID    Y1 1
RPT-OUT R1      TNCMEN1    Y  1
RPT-OUT R1      TNCMEN2    Y  1
RPT-OUT R1      TCLASS     Y2 2
RPT-OUT R1      TERO-OVAL Y    2                        $$$$$$$.$$
RPT-OUT R1      TPRT-OVAL Y    2                        $$$$$$$.$$
```

Figure 12 (3 of 5)

```
RPT-OUT   TSUM-OVAL Y   2          2TPRT-OVAL2 $$$$$$$.$$
RPT-OUT   TMAX-OVAL Y   2          2TERO-OVAL2 $$$$$$$.$$
RPT-OUT   TNCR-OVAL Y   2          2TNCT-OVAL2 $$$$$$$.$$
          TERO-NSN  Y   2                      $$$$$$$.$$
          TPRT-NSN  Y   2                      $$$$$$$.$$
          TSUM-NSN  Y   2          2TPRT-NSN 2 $$$$$$$.$$
          TMAX-NSN  Y   2          2TERO-NSN 2 $$$$$$$.$$
          TNCR-NSN  Y   2          2TNCT-NSN 2 $$$$$$$.$$
RPT-OUT   TERO-NON  Y   2                      $$$$$$$.$$
RPT-OUT   TPRT-NON  Y   2                      $$$$$$$.$$
RPT-OUT   TSUM-NON  Y   2          2TPRT-NON 2 $$$$$$$.$$

RPT-OUT   TMAX-NON  Y   2          2TERO-NON 2 $$$$$$$.$$
RPT-OUT   TNCR-NON  Y   2          2TNCT-NON 2 $$$$$$$.$$
RPT-OUT   TNCT-NSN  Y   2                      $$$$$$$.$$
RPT-OUT   TNCT-NON  Y   2                      $$$$$$$.$$
RPT-OUT   TNCT-OVAL Y   2                      $$$$$$$.$$
RPT-OUT  49B $HQMC PROVISIONING REVIEW STUDY$                          $$
RPT-OUT  49B $MOE COMPUTATION SHEET I (II MAF)$                        $$
RPT-OUT  1S
RPT-OUT  F.DATE$ 107B $PAGE: $  F.PAGE$                                $$
RPT-OUT  2S
RPT-OUT      $ID NO:  $ T.LASTID$ $ ,  $ T.NOMEN1$
RPT-OUT       2B $- - -  P A R T   C A T E G O R Y  - - -$             $$
RPT-OUT  19B  T.NOMEN2$                                                $$
RPT-OUT  2S
RPT-OUT  2P
RPT-OUT  2L   T.CLASS$
RPT-OUT      70B $NSN$ 10B $NON-NSN$ 6B $OVERALL$                      $$
RPT-OUT  2S
RPT-OUT  2L   9B  $TOTALS:   (1)  SUMMATION OF DATEDIFF OVER ALL$
RPT-OUT      $ PART REQUISITIONS:$ 6B    TOTAL T.SUM-NSN$2  5B
RPT-OUT                                  TOTAL T.SUM-NON$2  5B
RPT-OUT                                  TOTAL T.SUM-OVAL$2 ---------- $$
RPT-OUT  1S
RPT-OUT  2L   19B $(2)  SUMMATION OF THE MAXIMUM DATEDIFF PER ERO$
RPT-OUT      $ OVER$ 9B                  TOTAL T.MAX-NSN$2  5B
RPT-OUT                                  TOTAL T.MAX-NON$2  5B
RPT-OUT                                  TOTAL T.MAX-OVAL$2 ---------- $$
RPT-OUT  2L   24B $ALL EROS WITH PART REQUISITIONS:$                   $$
RPT-OUT  1S
RPT-OUT  2L   19B $(3)  SUMMATION OF THE MAXIMUM 'NORS' DATEDIFF$
RPT-OUT      $ PER ERO:$ 6B              TOTAL T.NOR-NSN$2  5B
RPT-OUT                                  TOTAL T.NOR-NON$2  5B
RPT-OUT                                  TOTAL T.NOR-OVAL$2 ---------- $$
RPT-OUT  2L   24B $OVER ALL EROS WITH PARTS REQUISITIONED 'NORS':$     $$
RPT-OUT  2S
RPT-OUT  2L   5B  $AVERAGES: (4)  AVERAGE DATEDIFF OVER ALL PART$
RPT-OUT      $ REQUISITIONS:$  11B
RPT-OUT                                  RATIO T.SUM-NSN$2  5B
RPT-OUT                                  RATIO T.SUM-NON$2  5B
RPT-OUT                                  RATIO T.SUM-OVAL$2         $$
RPT-OUT  1S
RPT-OUT  2L   19B $(5)  AVERAGE MAXIMUM DATEDIFF PER ERO:$ 22B
RPT-OUT                                  RATIO T.MAX-NSN$2  5B
RPT-OUT                                  RATIO T.MAX-NON$2  5B
RPT-OUT                                  RATIO T.MAX-OVAL$2         $$
RPT-OUT  1S
RPT-OUT  2L   19B $(6)  AVERAGE MAXIMUM 'NORS' DATEDIFF PER ERO:$ 15B
RPT-OUT                                  RATIO T.NOR-NSN$2  5B
```

Figure 12 (4 of 5)

```
RPT-OUT F1                                          RATIO T.NOP-NON#2  5B
RPT-OUT F1                                          RATIO T.NOR-OVAL#2        ##
RPT-OUT F1    2S
RPT-OUT F1    2L   5B  #COUNTS:    (7)  NUMBER OF ERDS WITH PART#
RPT-OUT F1         # REQUISITIONS:# 17B              TOTAL T.ERD-NSN#2  5B
RPT-OUT F1                                          TOTAL T.ERD-NON#2  5B
RPT-OUT F1                                          TOTAL T.ERD-OVAL#2        ##
RPT-OUT F1    1S
RPT-OUT F1    2L   19B  #(8)  NUMBER OF PART REQUISITIONS:#  27B
RPT-OUT F1                                          TOTAL T.PRT-NSN#2  5B
RPT-OUT F1                                          TOTAL T.PRT-NON#2  5B
RPT-OUT F1                                          TOTAL T.PRT-OVAL#2        ##
RPT-OUT F1    1S
RPT-OUT F1    2L   15B  #(9)  NUMBER OF ERDS WITH NORS REQUISITIONS:# 17B
RPT-OUT F1                                          TOTAL T.NCT-NSN#2  5B
RPT-OUT F1                                          TOTAL T.NCT-NON#2  5B
RPT-OUT F1                                          TOTAL T.NCT-OVAL#2        ##
RPT-OUT F1*   5S
RPT-OUT F1    2L   24B #NOTE 1:  DATEDIFF = (DATE RECEIVED) - #
RPT-OUT F1         #(DATE ORDERED)#                                             ##
RPT-OUT F1    1S
RPT-OUT F1    2L   24B #NOTE 2:  ERD PART USAGE IS NOT CONSIDERED VALID#
RPT-OUT F1         # AND IS NOT USED IF:#                                       ##
RPT-OUT F1    1S
RPT-OUT F1    2L   38B #(A)  DATERECD = '9999'#                                ##
RPT-OUT F1    1S
RPT-OUT F1    2L   38B #(B)#                                                   ##
RPT-OUT F1    1S
RPT-OUT F1    2L   38B #(C)#                                                   ##
RPT-OUT P1    ************************************************#
RPT-OUT P1    *                                               *#
RPT-OUT P1    *   HEADQUARTERS, UNITED STATES MARINE CORPS    *#
RPT-OUT P1    *      PROVISIONING POLICY REVIEW STUDY         *#
RPT-OUT P1    *                                               *#
RPT-OUT P1    *            MOE SHEET I (II MAF)               *#
RPT-OUT P1    *                                               *#
RPT-OUT P1    *   THIS REPORT PROVIDES WAITING TIME FACTORS   *#
RPT-OUT P1    *   FOR NSN AND NON-NSN ITEMS BROKEN DOWN BY:   *#
RPT-OUT P1    *   CONS: ENDITM / RPRL: ENDITM / CONS: SECREP  *#
RPT-OUT P1    *                                               *#
RPT-OUT P1    ************************************************#
/#
```

Figure 12 (5 of 5)

```
/*TAPE=2
//14524C12 JCE (6218,LMP3,200,15),'4777 CHARLIE ....
/*ROUTE  PRINT LOCAL
//* ************************************************************
//*  *                                                         *
//*  *  * * *  PGM, R-ERO  * * *                               *
//*  *                                                         *
//*  *       THIS PROGRAM PRODUCES AN ITEMIZED LISTING OF ERO PART USAGE*
//*  *  BY END ITEM.  SEE FIGURE 13.                           *
//*  *                                                         *
//*  *                                                         *
//*  *  INPUT FILE:  DSN=HQMC1.LPS2.14524.ERO11                *
//*  *               FD:   ERO-SUBF                            *
//*  *                                                         *
//*  *                                                         *
//*  *  OUTPUT FILE:  NONE                                     *
//*  *                                                         *
//* ************************************************************
//STP1 EXEC MARKIV,DEPT=USER
//EXT.M4OLD DD DSN=HQMC1.LPS2.14524.EROSUBF,DISP=OLD
//EXT.M4INPUT DD *
STP1     RCERO-SUBFS U   S   *
STP1     AA
STP1     AA   SCANDATA JOB: LPS2DLC (670)
STP1     AA
STP1     AA   THIS PGM PROVIDES AN ITEMIZED LISTING OF ERO
STP1     AA   PART USAGE FOR END ITEMS BEING STUDIED BY THE
STP1     AA   PROVISIONING STUDY.
ERO      ERTODAY
ERO      T1   HQMC PROVISIONING REVIEW STUDY*
ERO      T1   MIMMS ERO WORKING FILE LISTING (II MAF)*
ERO      PR      ID-NO   TLLPROV-ID                          TNOMEN
ERO      PR              R  ADJ-QTY                          TQTY
ERO      TFQTY       822                        ERO USAGE    (485 DAYS)
ERO      E1
ERO      R1       ID-NO      1 1P                      ID NO: ******,
ERO      R1      TNOMEN        1P
ERO      R1       ERO-TYPE   2 2
ERO      R1       CODE       3 3
ERO      R1       PNSN       4
ERO      R1       NOMEN
ERO      R1       PARTQUAL
ERO      R1      TQTY
ERO      R1       NORS
ERO      R1       DATEDIFF
ERO      TFNOMEN     90C
ERO      P1   *************************************************
ERO      P1   *                                               *
ERO      P1   *   HEADQUARTERS, UNITED STATES MARINE CORPS    *
ERO      P1   *       PROVISIONING POLICY REVIEW STUDY        *
ERO      P1   *                                               *
ERO      P1   *             ERO SUBFILE LISTING               *
ERO      P1   *                  (II MAF)                     *
ERO      P1   *                                               *
ERO      P1   *   A LISTING OF EACH PART REQUISITION OVER     *
ERO      P1   *   THE 485 DAYS OF THE MIMMS ERO HISTORY.      *
ERO      P1   *                                               *
ERO      P1   *************************************************
/*
```

Figure 13 (1 of 1)

ANNEX J

MEASURES OF EFFECTIVENESS

The study group originally proposed thirteen measures of effectiveness (MOE). However, due to the unavailability of certain input data, the list was subsequently pared to the nine MOE's listed in Table I. Each project was analyzed by having the nine measure of effectiveness applied to it. These results are summarized on Table II and presented in detail for the I, II, and III MAF's in Table III.

The measures of effectiveness are designed to highlight the efficacy of the current provisioning process. Specifically MOE 1 is a measure of the availability of an end item. This is stated as a percentage of the 16 month period it was not awaiting parts. However, this measure does not reflect downtime spent undergoing repairs and waiting to be repaired. MOE 1 is used as an indication of the impact of a provisioning policy on an end item's time spent awaiting parts.

MOE 2 is an indication of the dollar magnitude of any shortages in a provisioning project. In an extreme situation, the ratio could exceed 100%. It should be noted that only a dollar figure is given in Table III if no GOL was provisioned. MOE 3 is a similar measure, but for overages. In this case, the maximum the ratio may be is 100%. MOE 5 indicates how well the range of provisioned items anticipated demand. The ratio will be between 0 and 1, with small fractions indicating that the most of the provisioned items are experiencing demands. The MOE does not give any indications of shortages, however. MOE 6 captures the percentage of an initial issue which is common to previously fielded equipment and has an established RO quantity. This is an indication that the item being provisioned is already stocked in the supply system.

MOE 7 assesses whether a provisioning policy adequately supplied critical parts in the initial issue. A critical part is one which has a positive mount out quantity. For this MOE an item is considered to have met a requisition objective (RO) if it has a demand of 1 or more per 2-month period. This equates to a usage rate of at least 8 items during the 485-day period. Hence, a usage rate equal to or greater than 8 over the 16-month maintenance window means the provisioning process failed to issue a critical item which subsequently had demand great enough to qualify it as RO.

MOE 8 indicates the dollar cost of that portion of the intitial issue package which at the time of the in-service date of the end item was not considered RO. This MOE may be used to highlight the cost of provisioning items for which demand has been previously insufficient to establish them as RO. MOE 9 is the percentage of the total cost of an initial issue package which is spent on mount-out items. This MOE is used to demonstrate how monetary resources are allocated between the GOL and MO portions of a provisioning project. MOE 12 compares the instances of shortages due to range to those due to depth. This tabulation is designed to demonstrate where the more serious problem of shortages lies: not providing enough depth of the right items, or providing enough of those items but failing to predict demand for items not in the initial issue.

TABLE I, ANNEX J

MOE DEFINITIONS

MOE	CALCULATIONS
1	$\frac{\text{485 DAYS - AVERAGE MAX TIME AWAITING PARTS}}{\text{485 DAYS}}$ SOURCE : MOE SHEET I, ROW (5)
2	$\frac{\text{\$ COST OF GOL SHORTAGES}}{\text{\$ COST OF II (GOL)}}$ SOURCE : MOE SHEET III, ROW (3); MOE SHEET II
3	$\frac{\text{\$ COST OF GOL OVERAGES}}{\text{\$ COST OF II (GOL)}}$ SOURCE : MOE SHEET III, ROW (6); MOE SHEET II
5	$\frac{\text{NUMBER OF NSN'S IN II (GOL) WITH 0 DEMAND}}{\text{NUMBER OF NSN'S IN II (GOL)}}$ SOURCE : MOE SHEET III, ROW (4); MOE SHEET II
6	PERCENT OF II (GOL AND MO) WHICH IS RO SOURCE : MOE SHEET II
7	STEP (1) FOR EACH CRITICAL PART (I.E., POSITIVE MOUNT OUT QUANTITY) ORDERED NORS FIND 485 DAY TOTAL ERO USAGE. STEP (2) FOR CONSUMABLES AND REPARABLES DIVIDE THE TOTAL USAGE BY 8.08. THIS FACTOR IS 485/60 = 8.08, THE NUMBER OF TWO MONTH PERIODS IN THE MAINTENANCE "WINDOW". STEP (3) IF THE AVERAGE USAGE PER TWO MONTH PERIOD CALCULATED ABOVE IS GREATER THAN OR EQUAL

TABLE I,ANNEX J(Cont.)

MOE	CALCULATIONS
	TO 1, IT IS A CRITICAL PART MEETING RO CRITERIA. SOURCE : ERO SUBFILE LISTING
8	$ COST OF II (GOL AND MO) WHICH IS NOT RO SOURCE : MOE SHEET II
9	$\frac{\text{\$ COST OF II (MO)}}{\text{TOTAL \$ COST OF II (MO AND GOL)}}$ SOURCE : MOE SHEET II
12	NUMBER OF OCCURRENCES OF SHORTAGES DUE TO RANGE, I.E., THERE OCCURRED DEMAND FOR AN ITEM NOT PROVISIONED NUMBER OF OCCURRENCES OF SHORTAGES DUE TO DEPTH, I.E., THERE OCCURRED DEMAND FOR AN ITEM WHICH *EXCEEDED PROVISIONED QUANTITIES*. SOURCE : MOE SHEET III, ROW (1) AND ROW (2)

FOOTNOTES FOR MOE TABLES

In calculating ratios the following conventions were used:

0/0 is listed as NA (Not Applicable)

$/0 is listed as the dollar amount $

0/$ is listed as 0

3RD FSSG's tables are incomplete due to the unavailibility of several pertinent data tapes at the time the study was published. However, those MOE's which were calculated are in consonance with the other FSSG's

TABLE II, ANNEX J

PROVISIONING POLICY STUDY

Measure of Effectiveness (MOE)- Summarized

	1		2		3		5		6		7		8		9		12			
	C	R	C	R	C	R	C	R	C	R	C	R	C	R	R	C	CR	CD	RD	RR
1ST FSSG	96.5	98.5	9.0	0.0	98.7	100	.931	.909	40.2	25.8	11	0	23242.79	14763.87			73	5	1	0
Avg.		97.5		6.7		99.1		.926		35.0			68091.12	132363.66	76.7	77.4	242	20	3	0
																76.9				
2ND FSSG	94.9	92.9	9.2	5.8	99.0	100	.888	.902	38.2	44.0	58	1								
Avg.		93.9		6.9		99.3		.892		40.3							153	15	5	0
3RD FSSG	94.7	95.4	1426.8*	0.0	98.4	100	.919	.833			71	0								
Avg.		95.1		1019.2 **		98.8		.897												

* This extreme value was due to the large shortage experienced by only one item. Adjusting the average to exclude this one item would lead to a new average of 12.9%.

** The new adjusted average would be 9.2%.

TABLE III, ANNEX J

PROVISIONING POLICY STUDY
1ST PSSG (Rounded Down)
Measure of Effectiveness (MOE)

Initial Issue	1		2		3		5		6		7	8		9		12	
Projects	C	R	C	R	C	R	C	R	C	R	C/R	C	R	C	R	CR/CD	RR/RD
06535B AN/TGC-36	89	99	.01	0	100	100	1.0	1.0	51	50		67.40	22.19	57	62	2/0	NS
06824A AN/UTN-32	90	100	0	0	100	100	1.0	1.0	33	14		1494.46	10424.44	60	58	NS	NS
06828B AN/PRC-75	91	87	0	NA	100	NA	.13	NA	44	NA		354.22	NA	95	NA	NS	NS
07118B Tractor MC-450	93	99	0	NA	100	NA	1.0	NA	16	NA		441.54	NA	80	NA	1/0	NS
07459A Test Set AN/TSM-18	100	100	0	0	100	100	1.0	1.0	26	9		922.34	66912.88	69	86	NS	NS
07475 Radio Set AN/URR-70	100	100	0	NA	100	NA	1.0	NA	35	0		15.82	.75	95	100	NS	NA
07476 Radio Rec AN/URR-71	100	100	0	NA	100	NA	1.0	NA	36	0		20.71	210.49	94	100	NS	NA
07477 Rec Repro AN/PNH-7	100	100	0	0	100	100	1.0	1.0	36	100		38.22	0.0	67	67	NS	NS
07500 Dummy Load 100KW	100	100	0	NA	100	NA	1.0	NA	15	NA		77.54	NA	56	NA	NS	NA
07516B Cent Off Tel 600L	100	100	0	NA	100	NA	1.0	NA	5	0		22.04	111	99.8	100	NS	NS
07536A Gen Set MEP009A	96	98	0	0	100	100	.97	0.0	56	16		4804.04	20650.66	80	97	NS	NA
07579 Air Cond 9000BTU	100	100	0	NA	NA	NA	1.0	NA	15	NA		533.48	NA	100	NA	NS	NA
07581 Radar Set AN/PPS-15	95	93	0	0	100	100	.99	1.0	18	0		1901.47	898.55	61	76	NS	NS
07618 Page Print AN/UGC-52	100	100	0	NA	100	NA	1.0	NA	22	28		412.41	1.58	92	100	NS	NA
07623A Dist TT	100	100	0	NA	100	NA	1.0	NA	24	50		56.34	0.0	70	100	NS	NA
07630 RetroFit AN/UXM-137	100	100	NA	0	NA	100	1.0	NA	NA	0		436	NA	NA	0	NS	NS
07632A TT-572/UG	100	100	0	NA	100	NA	1.0	NA	37	0		119.38	0.0	87	100	NS	NA
07661 Fire Ext Twin Agent	100	100	0	NA	NA	NA	1.0	NA	2	NA		0.0	NA	100	NA	NS	NA
07664A Air Cond 18000BTU	97	98	0	0	100	100	.79	1.0	65	100		529.25	0.0	77	92	1/0	NS
07665 Tool Kit Elex	98	100	0	NA	100	NA	1.0	NA	41	NA		380.16	NA	0	NA	NS	NA
07666 Air Cond 9000BTR	100	100	0	NA	NA	NA	1.0	NA	21	NA		1.58	NA	100	NA	NS	NA
07672A Sea Light	100	100	0	NA	100	NA	1.0	NA	59	NA		90.6	NA	66	NA	NS	NA
07673A Test Set AN/PRM-33	80	100	0	NA	97	NA	.92	NA	92	NA		0.0	NA	0	NA	NS	NA
07679A Freq Conv CV-3231	96	100	0	NA	100	NA	1.0	NA	30	NA		63.91	NA	68	NA	NS	NA
07684A TT C-7050/G	100	100	0	NA	100	NA	1.0	NA	36	NA		10.88	NA	100	NA	NS	NA
07711A Heloport Lt Sys	100	100	0	NA	100	NA	1.0	NA	29	NA		202.5	NA	97	NA	NS	NA
07716 Converter CV-2997	100	100	0	NA	100	NA	1.0	NA	53	100		24.25	0.0	85	100	NS	NA
07717 Power Supply PP-6062	100	100	0	NA	100	NA	1.0	NA	70	NA		.70	NA	66	NA	NS	NA
07718 Converter CV-2757	100	100	0	NA	100	NA	1.0	NA	66	0		393.87	NA	63	NA	NS	NA
07726A RF Mont AN/USQ-46	86	81	3	0	100	100	1.0	1.0	46	0		404.19	25850.57	60	50	1/0	NA
07727A Rec Set RO-376A	100	100	0	0	100	100	1.0	1.0	68	0		8.57	5551.76	57	57	NS	NA
07728 Pwr Sup OP-63	100	100	0	NA	100	NA	1.0	NA	50	NA		7.14	NA	55	NA	NS	NA
07729 Test Set OQ-80/USQ-46	100	100	0	0	100	100	1.0	1.0	27	0		18.17	16939	99	50	NS	NA
07838A Truck CM	96	100	NA	0	NA	100	N/A	1.0	NA	50		6711	NA	NA	64	NS	NA
07862A SemiTrlr LB 40T	84	100	0	NA	100	NA	.89	NA	18	NA		48.45	NA	65	NA	1/0	NA
07864A Tr Cargo M880	92	94	32	$50.77	95	NA	.46	NA	84	NA	2/0	2029.22	NA	72	NA	55/3	1/0
07865A TrAmb M886	88	97	281	NA	69	NA	.40	NA	82	NA	9/0	600.94	NA	98	NA	12/2	NA

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PROVISIONING POLICY STUDY

1ST PSSG

Measure of Effectiveness (MOE)

Initial Issue Projects	(0.5 ROUNDED) 2 C	2 R	3 C	3 R	5 C	5 R	12 CR/CD	12 RR/RD	(0.15 ROUNDED) 2 C	2 R	3 C	3 R	5 C	5 R	12 CR/CD	12 RR/R
06535B AN/TQC-36	1.3	0	100	100	1.0	1.0	3/0	0/0	2.9	0	100	100	1.0	1.0	4/0	0/0
06824A AN/UIH-32	0	0	100	100	1.0	1.0	0/0	0/0	1.4	0	100	100	1.0	1.0	1/0	0/0
06828B AN/PHC-75	1087	NA	100	NA	.25	NA	4/0	1/0	1238	NA	85.2	NA	.25	NA	14/0	1/0
07118D Tractor MC-450	2	NA	97	NA	.8	NA	4/0	0/0	26.5	NA	94.5	NA	.8	NA	14/0	1/0
07459A Test Set AN/TSM-18	0	0	100	100	1.0	1.0	0/0	0/0	0	0	100	100	1.0	1.0	0/0	0/0
07475 Radio Set AN/URR-70	0	NA	100	NA	1.0	NA	0/0	0/0	0	NA	100	NA	1.0	NA	0/0	0/0
07476 Radio Rec AN/URR-71	0	NA	100	NA	1.0	NA	0/0	0/0	0	NA	100	NA	1.0	NA	0/0	0/0
07477 Rec Repro AN/PNH-7	0	0	100	100	1.0	1.0	0/0	0/0	0	0	100	100	1.0	1.0	0/0	0/0
07500 Dummy Load 100KW	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0	NA
07516B Cmt Off Tel 600L	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0	NA
07536A Gen Set MEP009A	0	0	100	100	.97	0	0/0	0/0	.71	0	100	100	.97	NA	2/0	0/0
07579 Air Cond 9000BTU	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0	NA
07581 Radar Set AN/PPS-15	0	0	100	100	.99	.86	0/0	0/0	68	0	100	100	.99	.86	1/0	0/0
07618 Page Print AN/UGC-52	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0	NA
07623A Dist TT	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0	NA
07630 RetroFit AN/UIH-137	NA	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0
07632A TT-572/UG	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0	NA
07661 Fire Ext Twin Agent	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0	NA
07664A Air Cond 18000BTU	.1	0	100	100	.79	1.0	2/0	0/0	.52	0	89.2	100	.79	1.0	8/0	0/0
07665 Tool Kit Elex	0	NA	100	NA	1.0	NA	0/0	NA	19.3	NA	100	NA	1.0	NA	2/0	NA
07666 Air Cond 9000BTR	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0	NA
07672A Sea Light	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	.92	NA	0/0	NA
07673A Test Set AN/PRM-33	0	NA	95	NA	.92	NA	0/0	NA	0	NA	95	NA	1.0	NA	0/0	NA
07679A Freq Conv CV-3231	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0	NA
07684A TT C-7050/G	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0	NA
07711A Heliport Lt Sys	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0	NA
07715 Converter CV-2997	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0	NA
07717 Power Supply PP-6062	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0	NA
07718 Converter CV-2757	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0	NA
07726A RF Mont AN/USQ-46	2.6	0	100	100	1.0	1.0	1/0	0/0	5.1	0	100	100	1.0	1.0	1/0	0/0
07727A Rec Set RO-376A	0	0	100	100	1.0	1.0	0/0	0/0	0	0	100	100	1.0	1.0	0/0	0/0
07728 Pwr Sup OP-63	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	NA	0/0	NA
07729 Test Set OQ-80/USQ-46	0	0	100	100	1.0	1.0	0/0	0/0	0	0	100	100	1.0	1.0	0/0	0/0
07838A Truck GM	NA	0	NA	100	NA	1.0	NA	0/0	NA	0	NA	100	NA	1.0	8/NA	0/0
07862A SemiTrlr LB 40T	0	NA	100	NA	.89	NA	1/0	NA	0	NA	100	NA	.89	NA	1/0	NA
07864A Tr Cargo M880	50.6	NA	91	NA	.46	NA	111/5	3/NA	178	NA	83.3	NA	.46	NA	294/7	6/NA
07865A Tr Amb M886	841.8	NA	69	NA	.4	NA	33/2	NA	2506	NA	28.5	NA	.4	NA	144/2	2/NA

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PROVISIONING POLICY STUDY

2ND PSSG (Rounded Down)

Initial Issue	Measure of Effectiveness (MOE)																
	1		2		3		5		6		7	8		9		12	
Projects	C	R	C	R	C	R	C	R	C	R	C/R	C	R	C	R	CR/CD	RR/ID
06535B AN/TQC-36	84	58	0	0	99.9	100	.94	1.0	49	100		693.13	0.00	60	62	NS	NS
06824A AN/UPM-32	96	74	0	0	100	100	1.0	.83	17	86		1,989.95	1.94	63	58	NS	NS
06828B AN/PRC-75	95	90	0	NA	100	NA	.75	NA	50	NA		350.05	NA	95	NA	NS	NS
07118B Tractor MC-450	89	93	3	$62.81	98.5	NA	.77	NA	17	NA	3/0	2,159.63	NA	82	NA	5/1	1/0
07459A Test Set AN/TSM-18	94	82	0	0	100	100	.83	1.0	21	67		7,671.90	8,346.71	90	88	NS	NS
07475 Radio Set AN/URR-70	100	100	0	NA	100	NA	1.0	NA	38	0		1,588.72	1,605.21	97	100	NS	NS
07476 Radio Rec AN/URR-71	100	100	0	NA	100	NA	1.0	NA	39	0		1,868.69	1,301.08	98	100	NS	NS
07477 Rec Repro AN/HRR-7	100	100	0	0	100	100	1.0	1.0	51	0		3,925.24	1.92	69	67	NS	NS
07500 Dumny Load 100KW	100	100	0	NA	100	NA	1.0	NA	15	NA		7,289.84	NA	72	NA	NS	NA
07516B Cent Off Tel 600L	63	64	0	NA	100	NA	1.0	NA	13	75		1,614.47	385.69	100	100	NS	NS
07536A Gen Set MEP009A	95	100	0	0	100	100	1.0	1.0	98	80		3,849.65	995.18	98	91	NS	NS
07579 Air Cond 9000BTU	100	100	0	NA	100	NA	1.0	NA	15	NA		995.18	NA	91	NA	NS	NA
07581 Radar Set AN/PPS-15	100	100	0	0	100	100	1.0	1.0	97	44		115.60	62,442.79	82	68	NS	NS
07618 Page Print AN/UGC-52	100	100	0	NA	100	NA	1.0	NA	26	22		995.93	66.60	95	100	NS	NS
07623A Dist TT	94	100	0	NA	100	NA	1.0	NA	23	0		167.73	.85	78	100	NS	NS
07630 RetroFit AN/UPM-137	100	100	NA	0	NA	100	NA	1.0	NA	100		NA	0.00	NA	0	NA	NS
07632A TT-572/UG	92	97	5	NA	99	NA	.48	NA	47	60		242.18	43.90	89	100	7/2	NS
07661 Fire Ext Twin Agent	100	100	0	NA	100	NA	1.0	NA	2	NA		1,170.67	NA	73	NA	NS	NA
07664A Air Cond 18000BTU	93	96	2	0	99	100	.55	0.0	54	40	9/1	4,684.23	1,276.58	77	92	3/0	NS
07665 Tool Kit Elex	100	100	0	NA	100	NA	1.0	NA	59	NA		174.64	NA	0	NA	NS	NS
07666 Air Cond 9000BTU	100	100	0	NA	100	NA	1.0	NA	29	NA		383.62	NA	99	NA	NS	NA
07672A Sea Light	94	100	0	NA	100	NA	.83	NA	22	NA		1,745.34	NA	62	NA	NS	NA
07673A Test Set AN/PRM-33	93	99	0	NA	100	NA	.54	NA	31	NA		2,368.20	NA	0	NA	NS	NA
07679A Freq Conv CV-3231	94	100	6	NA	94	NA	.80	NA	11	NA	8/0	3,613.50	NA	86	NA	4/1	NA
07684A TT C-7050/G	93	100	0	NA	100	NA	1.0	NA	34	NA		687.78	NA	52	NA	NS	NA
07711A Heloport Lt Sys	92	100	0	NA	100	NA	1.0	NA	24	NA		361.09	NA	98	NA	NS	NA
07716 Converter CV-2997	100	100	0	NA	100	NA	1.0	NA	47	100		34.87	0.00	98	100	NS	NS
07717 Power Supply PP-6062	100	100	0	NA	100	NA	1.0	NA	49	NA		20.97	NA	69	NA	NS	NA
07718 Converter CV-2757	100	100	0	NA	100	NA	1.0	NA	50	0		676.74	72.00	71	100	NS	NS
07726A RF Mont AN/USQ-46	94	31	1	0	100	100	.71	1.0	25	6.7		1,638.19	25,602.57	81	50	2/0	NS
07727A Rec Set RO-376A	97	93	0	0	100	100	1.0	1.0	18	0		1,160.92	7,589.14	69	58	NS	NS
07728 Pwr Sup OP-63	97	100	0	NA	100	NA	.85	NA	31	NA		267.68	NA	83	NA	NS	NA
07729 Test Set CQ-80/USQ-46	100	100	0	0	100	100	1.0	1.0	25	0		9,506.63	22,631.50	73	50	NS	NS
07838A Truck GM	93	95	$351.18	.7	NA	100	NA	1.0	NA	100		NA	0.00	NA	64	26/0	1/0
07862A SemiTrlr LB 40T	96	100	.7	$4.58	100	NA	1.0	NA	64	NA		105.21	NA	64	NA	2/0	NS
07864A Tr Cargo M880	88	91	278	NA	77	NA	.24	NA	75	NA	31/0	2,925.78	NA	74	NA	141/15	NS
07865A TrAmb M886	87	75	28	$42.51	100	NA	.80	NA	71	NA	7/0	1,047.17	NA	98	NA	52/1	1/0

(0.5 ROUNDED) 2ND PSSG (0.15 ROUNDED)

Initial Issue	2		3		5		12		2		3		5		12	
Projects	C	R	C	R	C	R	CR/CD	RR/RD	C	R	C	R	C	R	CR/CD	RR/RD
065358 AN/TQC-36	.5	0	98	100	.94	1.0	2/0	NS	1	0	98	100	.94	1.0	5/1	NS
06824A AN/UIN-32	0	0	100	100	1.0	.83	NS	NS								
06828B AN/PRC-75	8	NA	99	NA	.75	NA	1/0	NS	0	0	100	100	1.0	.83	2/0	NS
07118B Tractor MC-450	5	$62.77	96	NA	.77	NA	9/1	2/0	1230	$29.46	99	NA	.75	NA	9/0	1/0
07459A Test Set AN/TSM-18	0	0	98	100	.83	1.0	1/0	NS	47	$62.77	94	NA	.77	NA	24/1	2/0
07475 Radio Set AN/URR-70	1	NA	100	NA	1.0	NA	NS	NA	9	9	92	100	.83	1.0	7/0	2/0
07476 Radio Rec AN/URR-71	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07477 Rec Repro AN/PMH-7	0	0	100	100	1.0	1.0	NS	NS	1	NA	100	NA	1.0	NA	NS	NA
07500 Dummy Load 100KW	0	NA	100	NA	1.0	NA	NS	NA	0	0	100	100	1.0	1.0	NS	NS
07516B Cent Off Tel 600L	33900	NA	100	NA	1.0	NA	5/0	NA	0	NA	100	NA	1.0	NA	NS	NA
07536A Gen Set MEP009A	0	0	100	100	1.0	1.0	NS	NS	61650	$193	100	NA	1.0	NA	18/0	1/0
07579 Air Cond 9000BTU	0	NA	100	NA	1.0	NA	NS	NA	.4	0	100	100	1.0	1.0	3/0	NS
07581 Radar Set AN/PPS-15	0	0	100	100	1.0	1.0	NS	NS	0	NA	100	NA	1.0	NA	NS	NA
07618 Page Print AN/UGC-52	0	NA	100	NA	1.0	NA	NS	NA	0	0	100	100	1.0	1.0	NS	NS
07623A Dist TT	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07630 RetroFit AN/UIM-137	NA	0	NA	100	NA	1.0	NA	NS	0	NA	100	NA	1.0	NA	1/0	NA
07632A TT-572/UG	6	NA	99.8	NA	.48	NA	13/2	NA	NA	0	NA	100	NA	1.0	NA	NS
07661 Fire Ext Twin Agent	0	NA	100	NA	1.0	NA	NS	NA	240	$47.54	97	NA	.48	NA	102/2	1/0
07664A Air Cond 18000BTU	2	0	98	75	.55	0.0	3/0	NS	0	NA	100	NA	1.0	NA	NS	NA
07665 Tool Kit Elec	0	NA	100	NA	1.0	NA	NS	NA	4	0	97	75	.55	0.0	12/0	NS
07666 Air Cond 9000BTR	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07672A Sea Light	0	NA	100	NA	.83	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07673A Test Set AN/PRM-33	0	NA	100	NA	.54	NA	NS	NA	.4	NA	87	NA	.83	NA	5/0	NA
07679A Freq Conv CV-3231	10	NA	92	NA	.80	NA	6/1	NA	.3	NA	50	NA	.54	NA	1/0	NA
07684A TT C-7050/G	0	NA	100	NA	1.0	NA	NS	NA	4	NA	92	NA	.80	NA	7/1	NA
0711A Heloport Lt Sys	800	NA	100	NA	1.0	NA	2/0	NA	3	NA	100	NA	1.0	NA	5/0	NA
07716 Converter CV-2997	0	NA	100	NA	1.0	NA	NS	NA	1160	NA	100	NA	1.0	NA	8/0	NA
07717 Power Supply PP-6062	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07718 Converter CV-2757	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07726A RF Mgnt AN/USQ-46	2	0	100	100	.71	1.0	4/0	NS	0	NA	100	NA	1.0	NA	NS	NA
07727A Rec Set RO-376A	.1	0	100	100	1.0	1.0	1/0	NS	5	0	98	100	.71	1.0	7/0	NS
07728 Pwr Sup OP-63	.6	NA	99	NA	.85	NA	2/0	NS	1	0	100	100	1.0	1.0	2/0	NS
07729 Test Set CQ-80/USQ-46	0	0	100	100	1.0	1.0	NS	NS	2	NA	99	NA	.85	NA	3/0	NA
07838A Truck GM	$468.05	.6	NA	100	NA	1.0	41/0	1/0	0	0	100	100	1.0	1.0	NS	NS
07862A SemiTrlr LB 40T	.7	$4.58	100	NA	1.0	NA	2/0	1/0	$1108.71	6	NA	100	NA	1.0	91/0	4/0
07864A Tr Cargo M880	361	$62.71	71	NA	.24	NA	218/16	1/0	2	$4.58	100	NA	1.0	NA	3/0	1/0
07867A TrAmb M886	2250	$116.72	100	NA	.80	NA	87/1	2/0	525	$10128.56	51	NA	.24	NA	438/19	5/0
									4146	$222.02	98	NA	.80	NA	140/1	5/0

TABLE III, ANNEX J

PROVISIONING POLICY STUDY
3MD FESG (Rounded Down)
Measure of Effectiveness (MOE)

Initial Issue Projects	1 C	1 R	2 C	2 R	3 C	3 R	5 C	5 R	6 C	6 R	7 C	7 R	8 C	8 R	9 C	9 R	12 CR/CD	12 RR/RD
06535B AN/TGC-36	78	89	12	0	99	100	.88	.50			1	0					17/1	NS
06824A AN/UPN-32	100	100	0	0	100	100	1.0	1.0									NS	NS
06928B AN/PRC-75	96	97	167	$200.72	99	NA	.75	NA									2/0	1/0
07118B Tractor MC-450	88	87	3	NA	99	NA	.75	NA			4	0					7/1	NS
07459A Test Set AN/TSM-18	90	83	.06	0	95	100	.81	.5			1	0					1/0	NS
07475 Radio Set AN/URR-70	100	100	0	NA	100	NA	1.0	NA									NS	NS
07476 Radio Rec AN/URR-71	100	100	0	0	100	NA	1.0	NA									NS	NS
07477 Rec Repro AN/URR-7	100	100	0	0	100	100	1.0	1.0									NS	NS
07500 Dummy Load 100KW	100	100	0	NA	100	NA	1.0	NA									NS	NS
07516B Cent Off Tel 600L	83	74	49500	0	100	NA	1.0	NA			3	0					12/0	NS
07536A Gen Set MEP009A	92	85	2	0	99	100	.92	1.0									2/0	NS
07579 Air Cond 9000BTU	94	100	0	NA	100	NA	1.0	NA									NS	NS
07581 Radar Set AN/PPS-15	100	100	0	0	100	100	1.0	1.0									NS	NS
07618 Page Print AN/UGC-52	100	100	0	NA	100	NA	1.0	NA									NS	NS
07623A Dist TT	100	100	0	NA	100	NA	1.0	NA									NS	NS
07630 RetroFit AN/UPM-137	100	100	NA	0	NA	100	NA	1.0									NS	NS
07632A TT-572/UG	100	100	0	NA	100	NA	1.0	NA									NS	NS
07661 Fire Ext Twin Agent	100	100	0	NA	100	NA	1.0	NA									NS	NS
07664A Air Cond 18000BTU	95	98	0	0	99	100	.59	0.0									NS	NS
07665 Tool Kit Elec	85	100	0	NA	100	NA	1.0	NA									NS	NS
07666 Air Cond 9000BTU	100	100	0	NA	100	NA	1.0	NA									NS	NS
07672A Sea Light	85	31	0	NA	100	NA	.89	NA									NS	NS
07673A Test Set AN/PRM-33	89	95	0	NA	95	NA	.69	NA									NS	NS
07679A Freq Conv CV-3231	91	100	0	NA	100	NA	1.0	NA									NS	NS
07684A TT C-7050/G	100	100	0	NA	100	NA	1.0	NA									NS	NS
07711A Heliport Lt Sys	65	100	0	NA	100	NA	1.0	NA									NS	NS
07716 Converter CV-2997	100	100	0	NA	100	NA	1.0	NA									NS	NS
07717 Power Supply PP-6062	100	100	0	NA	100	NA	1.0	NA									NS	NS
07718 Converter CV-2757	100	100	0	NA	100	NA	1.0	NA									NS	NS
07726A RF Mont AN/USQ-46	100	100	0	0	100	100	1.0	1.0									NS	NS
07727A Rec Set RD-376A	99	100	0	0	100	100	1.0	1.0									NS	NS
07728 Pwr Sup OP-63	100	100	0	NA	100	NA	1.0	NA									NS	NS
07729 Test Set CQ-80/USQ-16	100	100	0	0	100	100	1.0	1.0									NS	NS
07838A Truck GN	99	100	NA	0	NA	100	NA	1.0									NS	NS
07862A SemiTrlr LB 40T	100	100	0	NA	100	NA	1.0	NA									NS	NS
07864A Tr Cargo M800	88	95	123	$178.06	80	NA	.31	NA			60	0					107/13	4/0
07865A TrAmb M886	90	98	134	NA	80	NA	.60	NA			2	0					5/0	NS

TABLE III, ANNEX J — PROVISIONING POLICY STUDY — 180 DAYS — (0.5 ROUNDED) — (0.15 ROUNDED)

Measure of Effectiveness (MOE)

Initial Issue	2		3		5		12		2		3		5		12	
Projects	C	R	C	R	C	R	CR/CD	RR/RD	C	R	C	R	C	R	CR/CD	RR/RD
065358 AN/TQC-36	17	0	99.5	100	.88	.5	27/1	NS	387	61	99	84	.88	.50	71/1	2/0
06824A AN/UYN-32	0	0	100	100	1.0	1.0	NS	NS	0	0	100	100	1.0	1.0	NS	NS
06928B AN/PRC-75	806	$3792.72	99	NA	.75	NA	6/0	2/0	1309	$3792.72	98	NA	.75	NA	11/0	2/0
07118B Tractor MC-450	39	NA	96	NA	.75	NA	18/2	NS	69	$1638.32	88	NA	.75	NA	45/2	4/0
07459A Test Set AN/TSM-18	6	0	93	100	.81	.5	3/0	NS	11	55	11	100	.81	.5	9/0	3/0
07475 Radio Set AN/URR-70	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07476 Radio Rec AN/URR-71	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07477 Rec Repro AN/TSH-7	0	0	100	100	1.0	1.0	NS	NS	0	0	100	100	1.0	1.0	NS	NS
07508 Dummy Load 100KW	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07516R Cent Off Tel 600L	403500	$1852	100	NA	1.0	NA	19/0	1/0	$187600	$7906.12	100	NA	1.0	NA	26/0	4/0
07536A Gen Set MEP009A	5	0	99	100	.92	1.0	4/0	NS	13	36	98	100	.92	1.0	12/0	2/0
07579 Air Cond 9000BTU	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07581 Radar Set AN/PPS-15	0	0	100	100	1.0	1.0	NS	NS	0	0	100	100	1.0	1.0	NS	NS
07618 Page Print AN/UGC-52	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07623A Dist TT	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07630 RetroFit AN/UPM-137	NA	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS
07632A TT-572/UG	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07661 Fire Ext Twin Agent	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07664A Air Cond 18000BTU	0	0	99	100	.59	0.0	1/0	NS	0	0	57	75	.57	0.0	1/0	NS
07665 Tool Kit Elex	0	NA	100	NA	1.0	NA	NS	NA	17	NA	100	NA	1.0	NA	1/0	NA
07666 Air Cond 9000BTR	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07672A Sea Light	0	NA	100	NA	.88	NA	NS	NA	1	NA	90	NA	.88	NA	3/0	NA
07673A Test Set AN/PRM-33	2	NA	91	NA	.69	NA	1/0	NA	2	NA	52	NA	.69	NA	1/0	NA
07679A Freq Conv CV-3231	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07684A TT C-7050/G	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07711A Heloport Lt Sys	0	NA	100	NA	1.0	NA	NS	NA	804	NA	100	NA	1.0	NA	2/0	NA
07716 Converter CV-2997	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07717 Power Supply PP-6062	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07718 Converter CV-2757	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07726A RF Mont AN/USQ-46	0	0	100	100	1.0	1.0	NS	NA	0	0	100	100	1.0	1.0	NS	NA
07727A Rec Set RO-376A	0	0	100	100	1.0	1.0	NS	NS	0	0	100	100	1.0	1.0	NS	NA
07728 Pwr Sup OP-63	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07729 Test Set OQ-80/USQ-46	0	0	100	100	1.0	1.0	NS	NS	0	0	100	100	1.0	1.0	NS	NA
07838A Truck GM	NA	100	NA	100	NA	1.0	NA	NS	0	NA	100	NA	1.0	NA	NS	NA
07862A SemiTrlr LB 40T	0	NA	100	NA	1.0	NA	NS	NA	0	NA	100	NA	1.0	NA	NS	NA
07864A Tr Cargo M880	12	NA	0	NA	.31	NA	169/13	NA	317	$4358.40	58	NA	.31	NA	327/15	10/0
07865A Tr Amb M886	0	NA	0	NA	.60	NA	4/0	NA	1360	NA	42	NA	.60	NA	69/0	NA

ANNEX K

PROVISIONING PROJECTS

PROJECT ID NUMBER	NOMENCLATURE	IN-SERVICE DATA
07475A	Radio Receiving Set AN/URR-70	Aug 78
07476A	Radio Receiving Set AN/URR-71	Aug 78
07477A	Recorder Reproducer AN/PH+NH-7	None
07500A	Dummy Load 100KW	None
07516B	Central Office Telephone 600L	None
07536A	Generator Set MEP-009A	Nov 79
07579A	Air Conditioning 9000 BTU	Nov 79
07581A	Radar Set AN/PPS-15	None
07618A	Page Printer Set Send/RCV AN/UGC-52	None
07623A	Distrib-Transmitter Set (Teletype)	May 78
07630	Retrofit Kit F/AN/UPM-137A	Feb 77
07632A	Teleprinter TTY-572/UG	May 78
07661A	Fire Extinguisher, Twin Agent	None
07664A	Air Conditioner, 18,000 BTU, A/E-32C-17	Apr 78
07665A	Tool Kit, Elex	Oct 77
07666A	Air Conditioner, 9,000 BTU	Dec 78
07672A	Searchlight, AN/VSS-3A	Jun 77
07673A	Test Set, R.F. Power AN/PRM-33	Nov 77
07679A	Freq Converter, CV-3231/U	Jul 79
07684A	Teletype, Cont Unit C-7050/G	May 78
07711A	Heliport Lighting System	Apr 78
07716A	Converter, CV-2997(V)/FGC	May 78

ANNEX K (Cont.)

PROJECT ID NUMBER	NOMENCLATURE	IN-SERVICE DATA
07717A	Power Supply, PP-6062/G	May 78
07718A	Converter, CV-2757/GGC	May 78
07726A	R. F. Monitor Set, AN/USQ-46A	Apr 78
07727A	Recorder Set, Signal Data ERo-376A/USQ	Jan 79
07728A	Power Supply, OP-63/USQ-46	None
07729A	Test Set, Group, Radio OQ-60/USQ-46	Apr 78
07838A	Truck, Guided Missile Carrier W/M2	None
07862A	Semi-Trailer, Low-Bed 40-Ton M870	Apr 79
07864A	Truck, Cargo, M880, 1-1/4-Ton	Dec 78
07865A	Truck, Ambulance, 1-1/2-Ton	Dec 78
06535B	Communications Central AN/TGC-36	None
06824A	Transponder Set An/UPN-32	Sep 78
06828B	Radio Set, An/PRC-75	None
07118B	Tractor, Full-Tracked, Low Speed MC450	May 78
07459A	Test Set, AN/TSM-18	None

ANNEX L

MARINE CORPS

PROVISIONING

POLICY MANUAL

SUMMARY

ANNEX L

PROVISIONING

- MANAGEMENT PROCESS FOR DETERMINING AND ACQUIRING THE RANGE AND QUANTITY OF SUPPORT ITEMS NECESSARY TO OPERATE AND MAINTAIN WEAPON SYSTEMS/EQUIPMENTS FOR AN INITIAL PERIOD OF SERVICE

ANNEX L

RETAIL COMPUTATIONS

- CONSUMABLES
  - $GOL = A \times B \times C \times \frac{OST}{360}$

    A = FAILURES/ITEM/YEAR

    B = QTY/END ITEM

    C = NUMBER OF END ITEMS SUPPORTED BY INTERMEDIATE LEVEL

    OST = AVERAGE CUMULATIVE ORDER SHIPPING TIME

DEVIATION FOR LOW DENSITY COMBAT ESSENTIAL END ITEMS

- $GOL = A \times B \times C \times \frac{360}{360} \geq 1 = 1$

  STOCK AS NSO CRITICALITY CODE 1 ITEMS ONLY

- REPARABLES
  - $GOL = \left(\frac{RR \times RCT}{30}\right) \times \frac{RSR \times OST}{30}$

    RR = REPAIR RATE

    RCT = REPAIR CYCLE TIME

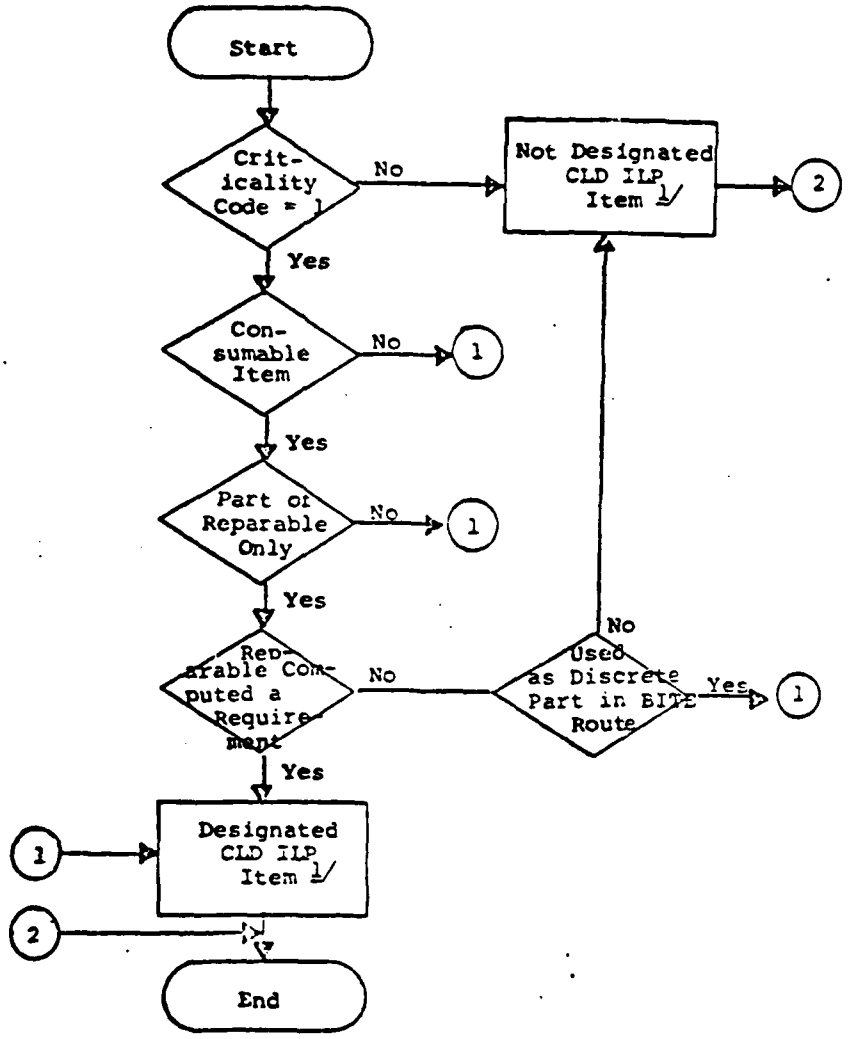
    RSR = RESUPPLY RATE (WASH- OUT)

DEVIATION FOR LOW DENSITY COMBAT ESSENTIAL END ITEMS

- $GOL = A \times B \times C \times \frac{360}{360} \geq 1 = 1$
- $GOL = \left(\frac{RR \times RCT}{30}\right) \times \left(\frac{RSR \times 360}{30}\right) \geq 1 = 1$

STOCK AS NSO ITEM

CRITERIA FOR SELECTION OF SECONDARY ITEMS



1/ CLD ILP = critical low-density initial issue provisioning.

FORMAT FOR INSURANCE ITEM RECOMMENDATIONS

Insurance Item Recommendations
(Equipment)

NSN	Unit Price	%	Extended Price	Total
		80 Ao		
-		-	-	
-		-	-	
-		-	-	
-		-	-	
-		-	-	
For Ao				_____
		85 Ao (additional items)		
-		-	-	
-		-	-	
-		-	-	
-		-	-	
Additional Subtotal				_____
Total for Ao				_____
		90 Ao (additional items)		
-		-	-	
-		-	-	
Additional Subtotal				_____
Total for Ao				_____

a. Consumables

(1) Segregate NSN's by recoverability code in MIMMS history extract file (MHEF).

(2) Identify all consumable items with a Marine Corps-wide usage of two or more demands in a 12-month period as an insurance item.

(3) Extend the data collection period to 2 years for items with only one Marine Corps-wide demand in 12 months. If the item had two or more demands in the 24-month period, identify it as an insurance item.

b. Reparables

(1) Extract the maintenance failure rate (MFR) from the maintenance float usage file of NSN's designated as reparables.

(2) Identify NSN's with an MFR of 0.5 or greater as an insurance item.

c. Compute and provide to the commander of the unit holding the critical low-density equipment and supporting unit. A recommended list of insurance items, stratified by varied degrees of required which is retained on hand will provide a 95 percent confidence that the selected Ao can be maintained.

WHOLESALE COMPUTATIONS

ANNEX L

CONSUMABLES

- PROV. REQ. OBJ = PC/SL QTY + PCLT QTY

  PC/SL QTY = A X B X TWAMP X PC/SL

  PCLT QTY = A X B X TWAMP X PCLT

  A = FAILURES/ITEM/YEAR

  B = QTY/END ITEM

  TWAMP = TIME-WEIGHTED AVERAGE MONTHLY PROGRAM

  PC/SL = 90 DAYS MARINE CORPS MANAGED ITEMS

REPARABLES

- PROV. REQ. OBJ = PC/SL QTY + PCLT QTY

  $$\text{PC/SL QTY} = \frac{(RR \times RCT)}{30} + \frac{(RSR \times PC/SL)}{30}$$

  $$\text{PCLT QTY} = RSR \times \frac{PCLT}{30}$$

  PC/SL = 90 DAYS MARINE CORPS MANAGED ITEMS

ESTABLISHED MARINE CORPS MGD ITEMS

- 90 DAY PC/SL REQ ADDED TO DEMAND BASE WHEN IM CONSIDERS SIGNIFICANT
- NO PCLT QTY AUTHORIZED

ANNEX L

DOD STANDARD TABLE

HOLDING COST RATE 0.15
SMALL PURCHASE PROCUREMENT COST = $175.00
OTHER PROCUREMENT = $380.00
FREQUENCY OF PROCUREMENT = EOF
MINIMUM IMPLIED SHORTAGE COST = $100.00

$ VALUE OF ANNUAL DEMANDS/ANNUAL DEMAND FREQUENCY

PLT (MOS)	$ 0.- 100.	$ 101.- 500.	$ 501.- 2500.	$ 2501.- 12500.	$ 12501.- 62500.	$ 62501.- 312500.
1	3	4	5	6	6	5
2	3	4	5	6	6	5
3	3	4	5	6	6	5
4	3	4	5	6	6	6
5	3	4	5	6	6	6
6	3	4	5	6	6	6
7	3	4	5	6	6	6
8	3	4	5	6	6	6
9	3	4	5	6	6	6
10	3	4	5	6	6	6
11	3	4	5	6	6	6
	3	4	5	6	6	6
	3	4	5	6	6	6
14	3	4	5	6	6	6
15	3	4	5	6	6	6

NOTATION	DoD	SET #1
C^1_p - Proc Stk	Inf $150	175
	For 450	380
	Rec 2.72	3.00
C^2_p - Proc NonStk	82% of above less receipt	82%(-)
C_I - Issue Cost	1.60	1.85
H - Hold Cost	20/40%	15%
P - Premium Paid	10%	10%
- Implied Shortage	$100	100
ALT- AdminLeadTime	90	60

DOD STANDARD TABLE

HOLDING COST RATE 0.20
SMALL PURCHASE PROCUREMENT COST = $ 150.00
OTHER PROCUREMENT COST = $ 450.00
FREQUENCY OF PROC. = EOF
MINIMUM IMPLIED SHORTAGE COST $ 125.00

$ VALUE OF ANNUAL DEMANDS/ANNUAL DEMAND FREQUENCY

PLT (MOS)	$ 0.- 100.	$ 101.- 500.	$ 501.- 2500.	$ 2501.- 12500.	$ 12501.- 62500.	$ 62501.- 312500.
1	3	4	6	6	7	6
2	3	4	6	6	6	6
3	3	4	5	6	6	6
4	3	4	5	6	6	6
5	3	4	5	6	6	6
6	3	4	5	6	6	6
7	3	4	5	6	6	6
8	3	4	5	6	6	6
9	3	4	5	6	6	6
10	3	4	5	6	6	6
11	3	4	5	6	6	6
[illegible]	3	4	5	6	6	6
[illegible]	3	4	5	6	6	6
[illegible]	3	3	5	6	6	6
15	3	3	5	6	6	6

NOTATION	DoD	USMC TEST SET #2
C p - Proc Stk	Inf $150 For 450 Rec 2.72	150 450 2.72
C p - Proc NonStk	82% of above less receipt	82%(-)
C - Issue Cost	1.60	1.75
H - Hold Cost	20/40%	20%
P - Premium Paid	10%	10%
- Implied Shortage	$100	125
ALT - AdminLeadTime	90	60

ANNEX L

DOD STANDARD TABLE

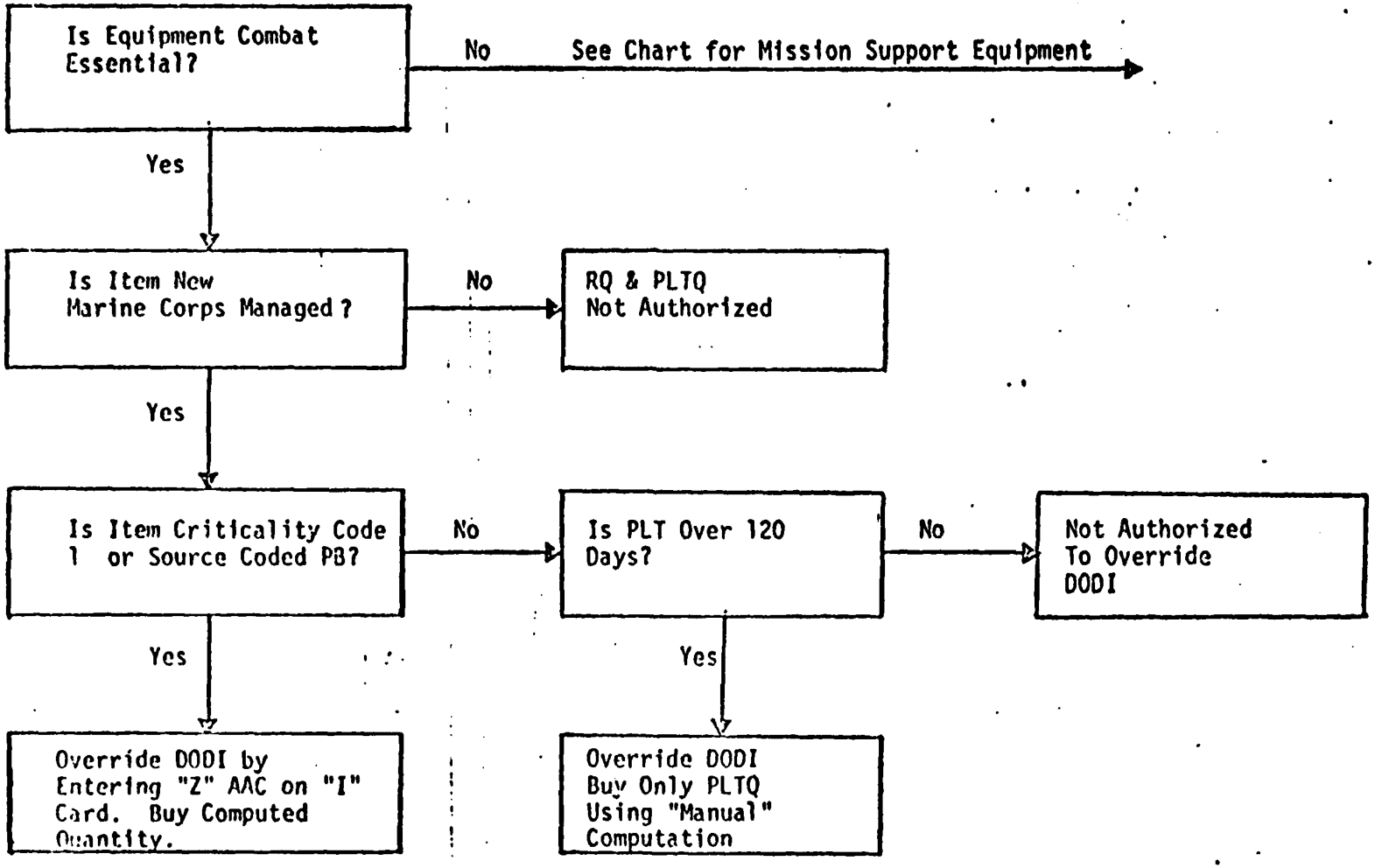
HOLDING COST RATE 0.40
SMALL PURCHASE PROCUREMENT COST = $ 150.00
OTHER PROCUREMENT COST = $ 450.00
FREQUENCY OF PROC. - EOF
MINIMUM IMPLIED SHORTAGE COST $ 125.00

$ VALUE OF ANNUAL DEMANDS/ANNUAL DEMAND FREQUENCY

PLT (MOS)	$ 0.- 100.	$ 101.- 500.	$ 501.- 2500.	$ 2501.- 2500.	$ 12501.- 62500.	$ 62501.- 312500.
1	5	8	12	12	12	12
2	5	9	12	12	12	12
3	6	10	12	12	12	12
4	6	11	12	12	12	12
5	7	11	12	12	12	12
6	7	12	12	12	12	12
7	7	12	12	12	12	12
8	7	12	12	12	12	12
9	7	12	12	12	12	12
10	7	12	12	12	12	12
11	7	12	12	12	12	12
12	8	12	12	12	12	12
13	8	12	12	12	12	12
14	8	12	12	12	12	12
15	8	12	12	12	12	12

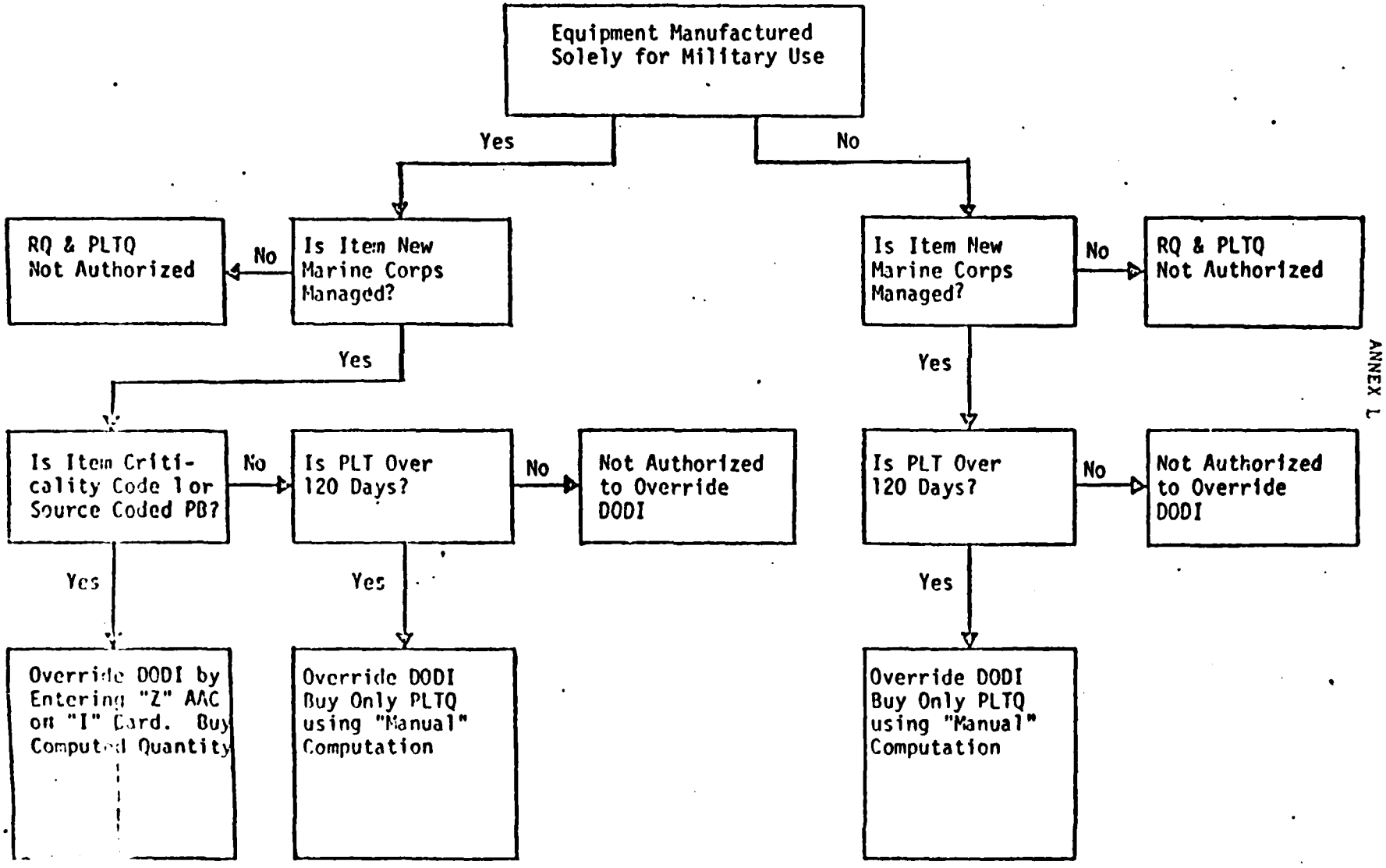
NOTATION	DoD	SET #3
C^1p - Proc Stk	Inf $150 For 450 Rec 2.72	150 450 3.00
C^2p - Proc NonStk	82% of above less receipt	82%(-)
C_I - Issue Cost	1.60	1.60
H - Hold Cost	20/40%	40%
P - Premium Paid	10%	10%
- Implied Shortage	$100	125
ALT - AdminLeadTime	90	120

AUTHORIZATION TO OVERRIDE DODI



ANNEX L

AUTHORIZATION TO OVERRIDE DODI (MISSION SUPPORT EQUIPMENT)



SUMMARY EMPIRICAL RELATIONSHIP ANNEX L
Freq : Qty

EAST Typical Freq		EAST Typical Qty	Emp Relationship
Jun 78	6,564	294,58Ø	1:45
Sep 78	6,556	6,861,006	1:10,459

EAST High Freq		EAST High Qty	Emp Relationship
JUN 78	5,112	3,042,022	1:595
Sep 78	4,913	2,027,097	1:413

2.

WEST Typical Freq		WEST Typical Qty	Emp Relationship
Jun 78	13,126	114,165	1:9
Sep 78	12,769	1,170,705	1:92

WEST High Freq		WEST High Qty	Emp Relationship
Jun 78	3,803	3,684,105	1:969
Sep 78	3,400	2,854,544	1:840

Significant I/O Control Coded Records

	June 1978	September 1978
Security Code 'J'	114	132
4. Procurement Control Code	23,430	29,251
5. Input Control Code	8,275	8,624

Additional Note: The Empirical Relationship routine in Forecasting is set up within the following parameters:

a. Both RD + NRD type Demands are utilized in arriving at Freq (no. of Reqns) and Qty (no. of units on reqns). Also, PRF Demands are excluded.

b. The 'High' separation of Freq/Qty reflects FG ØØ, Ø1, FSC 6135 and selected LVT-P7 NSN's.

ANNEX L

INITIAL ISSUE STEPS

1. MCLB recommends Project/Equipment Ready-for-Issue.

2. HQMC directs that initial issue be effected.

3. Provisioner loads Parts Data (i.e., NSN, Unit of Issue, SAC, Maintenance Codes, Purpose Code, Allowance Factors, Repair Rate, Repair Cycle Time, Unit Price, Applicable Force Code, Criticality Code, Acquisition Advice Code and ID Number) and Organizational Data (i.e., Activity Account Code, RSA, Priority, Authorized Maintenance Code, End Item Qty, Authorize GOL/M-O Day Levels, I/I Supplier and Applicable Force Code) to initial issue file (H16).

4. Program computes GOL/M-O Requirements; builds H16 File which consists of every NSN and Quantity for each specific organization; and creates an Initial Issue Control File tape that is provided to the SASSY and Non-SASSY (Schools) Units. In addition, a release transaction tape is created and processed to the MIF (SS-03). On a specific date, normally 21 days after release transaction (IICF) tape is processed, the program creates the Materiel Release Orders (MROs). The assets are then released to the field.

5. Interpurpose Transfer is taken by the provisioner to delete all Purpose Code "G" and "V" (initial issue) requirements from the Provisioning Requirements File (PRF), transfer Purpose Code "W" and "X" (system stock) to "A" (general issue), transfer Purpose Code "U" (PWR) to "D" and Purpose Code "B" (unfunded PWR) to "B". A Dummy Protection Date of 99365 is posted to SS-03 to prevent stratification.

6. Upon receipt of materiel, the field submits a "BP3" transaction. This card is input to the "H16" file and deletes the entire NSN or a portion of the quantity thereof from the specific organization.

7. When all of the assets for a particular project have been deleted, or FMFLANT and FMFPAC have placed end item in-service, Code P820 requests an In-Service Date from HQMC.

8. Upon receipt of an In-Service Date, the provisioning project is deleted, and the protection date in SS-03 is updated to cite 2 years + actual In-Service Date.

ANNEX M

SASSY

SASSY ACCOUNTING MANUAL OVERVIEW

ANNEX M

SASSY SUPPORTED ACTIVITIES SUPPLY SYSTEM SASSY

THE SUPPORTED ACTIVITIES SUPPLY SYSTEM (SASSY) IS THE MECHANIZED SUPPLY MANAGEMENT SYSTEM DEVELOPED FOR USE AT THE DIRECT SUPPORT ECHELON OR USER LEVEL OF SUPPLY.

SASSY IS DESIGNED TO ACCOMPLISH SUPPLY ACCOUNTING FOR THE AIR GROUPS, BATTALIONS, INDEPENDENT SQUADRONS AND SEPARATE COMPANIES OF THE FLEET MARINE FORCE.

SASSY IS ALSO A MANAGEMENT INFORMATION SYSTEM. THE CENTRALIZATION AND MECHANIZATION OF USING UNIT RECORDS AT THE SASSY MANAGEMENT UNIT (SMU) CREATES A VIABLE DATA BASE FOR USE AS A MANAGEMENT TOOL.

CHAPTER 2

SASSY AS PART OF THE MARINE CORPS SUPPLY SYSTEM

0200 POSITION IN THE MARINE CORPS SUPPLY SYSTEM

1. SASSY occupies a position in the Marine Corps Supply System below the general support or distribution system level--MUMMS. Operating at the direct support level of Marine Corps supply, SASSY works directly for the operating forces of the FMF.

2. SASSY's position in the Marine Corps Supply System is graphically depicted in figure 2-1.

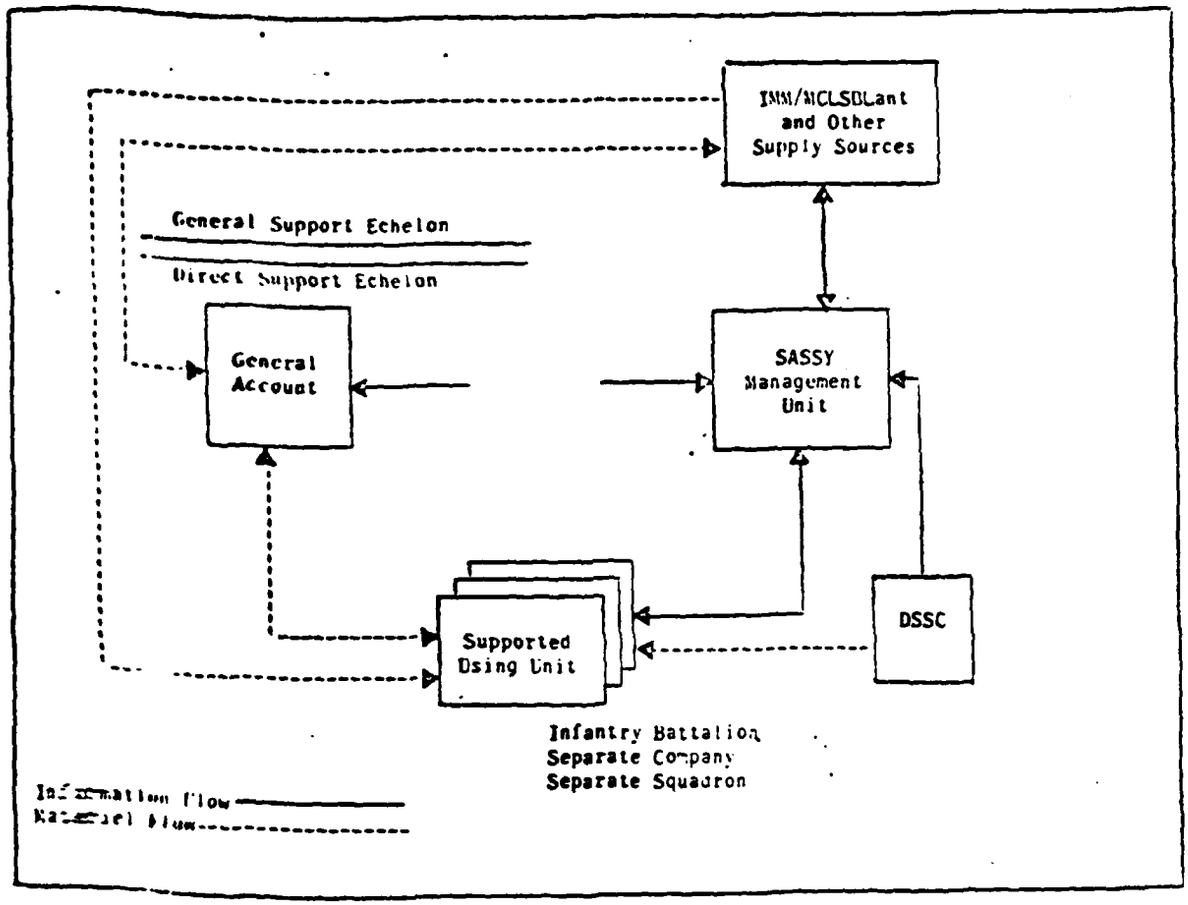


Figure 2-1. Marine Corps Supply System

3. The SMU is the using unit commanders link with all supply distribution systems, to include the Marine Corps Logistics Support Base, Atlantic (MCLSBLant), and the integrated materiel managers (IMM's).

ANNEX M

SASSY ADVANTAGES

Centralization of Records

Inventory Control Data/Operating Stock

Standardization of General Account Operations

Management Evaluation of Performance

Asset Visibility

Materiel Mobilization/Distribution

System Interface

MUMMS

MIMMS

MARES

Standard Formats utilized (DOD) MILSTRIP
MILSTRAP

Management Flexibility

Increases to Workload/Transactions

Increase Readiness

Improved requirements' determinations/high-priority requisitions

Handling of Allowances

Management of Mount Out

Materiel Control

ANNEX M

STOCKAGE CRITERIA

THE BASIS FOR THE ESTABLISHMENT OF A COMPUTER-PRODUCED RO/ROP IS 4 OR MOVEMENTS IN THE RPECEDING 12 MONTHS. THIS CRITERIA WILL BE THE NORMAL CRITERIA FOR CALCULATION OF THE RO/ROP FOR THE GENERAL ACCOUNT.

NEW RO/ROP'S MAYBE COMPUTED MONTHLY.
LEVELS OF SUPPLIES AUTHORIZED FOR A GENERAL ACCOUNT ARE:

1. OPERATING LEVEL - 90 DAYS MIDPAC/WESPAC 60 DAYS FOR CONUS

2. SAFETY LEVELS - - -NOT TO EXCEED 50% OF OPERATING LEVEL

3. OST

INITIAL ISSUE PROVISIONING

ANNEX M

INITIAL PROVISIONING INCLUDES THE INDENTIFICATION, SELECTI ACQUISITION OF ITEMS REQUIRED FOR MAINTENANCE PURPOSES TO ASSURE ADEQUATE, TIMELY AND NECESSARY INITIAL SUPPORT ITEMS BE POSITION IN THE APPROPRIATE SEGMENTS OF THE SUPPLY SYSTEM AND MAINTENANCE ECHELONS BEFORE NEW ITEMS ARE PLACED IN-SERVICE.

THE PROVISIONING PROCESS ESTABLISHES THE RANGE AND QUANTIT OF ITEMS REQUIRED TO SUPPORT AN END ITEM FOR THAT PERIOD OF TIME THAT EXTENDS FROM PLACING AN END ITEM IN-SERVICE UNTIL FULL RESPONSIBILITY FOR SUPPORT CAN BE ASSUMED BY THE SUPPLY SYSTEM THROUGH ROUTINE PROCEDURES.

THE STOCKAGE OBJECTIVE QUANTITY WILL NORMALLY REMAIN FIXED DURING A PERIOD OF 2 YEARS. AT THE END OF THIS TIME STOCK LEVELS MAY BE ADJUSTED TO REFLECT ACTUAL USAGE. WHEN VALID DATA FOR DEMA INDICATES HIGHER STOCK LEVELS SHOULD BE ESTABLISHED, THEY MAY BE INCREASED ON AN INDIVIDUAL BASIS. IF AT THE END OF 2 YEARS, THE INITIAL ISSUE QUANTITY HAS HAD ZERO USAGE, THE ENTIRE QUANTITY WILL BE RETAINED AN ADDITIONAL 2 YEARS.

THE PROVISIONING PROCESS MAY COMMENCE AT ANY PHASE OF THE SYSTEM ACQUISITION PROCESS, DEPENDING ON THE TYPE OF ACQUISITION PROGRAM (I.E. DEVELOPMENT, TEST AND EVALUATION (RDT&E) EFFORT; OFF-THE-SHELF PROCUREMENT, JOINT SERVICES PROGRAMS; ETC.).

PRINCIPAL PROVISIONING FUNCTIONS WILL FOCUS ON EARLY FUNDING ESTIMATES FOR BUDGETARY PLANNING, THE ACTUAL SELECTION AND ACQUISITION OF SUPPORT ITEMS WHEN THE END ITEM GOES INTO PRODUCTION, THE DISTRIBUTION OF THE SUPPORT ITEMS TO FIELD USING AND SUPPORTING ORGANIZATIONS, AND TERMINATES WHEN THE END ITEMS ARE PLACED IN-SERVICE.

INITIAL ISSUE PROVISIONING ANNEX M

INITIAL PROVISIONING INCLUDES THE INDENTIFICATION, SELECTI ACQUISITION OF ITEMS REQUIRED FOR MAINTENANCE PURPOSES TO ASSURE ADEQUATE, TIMELY AND NECESSARY INITIAL SUPPORT ITEMS BE POSITION IN THE APPROPRIATE SEGMENTS OF THE SUPPLY SYSTEM AND MAINTENANCE ECHELONS BEFORE NEW ITEMS ARE PLACED IN-SERVICE.

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02014 PROVISIONING/BILL OF MATERIEL/EQUIPMENT REPAIR ORDER SYSTEM

1. PURPOSE. THE PROVISIONING/BOM/ERO SYSTEM PROVIDES THE MANAGER WITH THE LATEST STATUS ON OUTSTAMDING PROVISIONING, BOM, AND ERO PROJECTS.

2. FILES. THE DASF (DUE AND STATUS) AND MHIF (MASTER HEADER) ARE USED ALONG WITH DIC ZP4 PROJECT REQUEST CARDS. (SEE EXAMPLE)

3. PROCESSING. THE INPUT ZP4 TRANSACTIONS ARE SORTED BY ACTIVITY, ERO, BOM AND PROVISIONING PROJECT NUMBERS. UP TO 50 ZP4 PROJECT REQUEST CARDS CAN BE ACCEPTED FOR A SINGLE REQUESTING ACTIVITY. THE INPUT ZP4 TRANSACTIONS CREATE A ZP3 PROVISIONING REPORT CARD CONTROL FILE. THE ZP3 CONTROL FILE IS COMPARED TO THE DASF; AND ALL MATCHING PROVISIONING, BOM, AND ERO PROJECT NUMBERS ARE EXTRACTED. THE ZP4 IS CHECKED FOR REPORT INDICATOR 1, AND THE DASF IS CHECKED FOR PURPOSE CODE G. IF BOTH CONDITIONS EXISTS, A ZP3 PROVISIONING REPORT CARD IS PRODUCED FOR SUBMISSION TO THE MCLBLANT. THE ZP3 FILE IS PROCESSED AGAINST THE MHIF TO OBTAIN NOMENCLATURE FOR THE ITEM.

4. PROVISIONING/BOM/ERO REPORT. THE DASF EXTRACT RECORDS ARE SORTED IN ACTIVITY, ERO NUMBER, PROVISIONING PROJECT, AND BOM NUMBER SEQUENCE. EACH PROJECT HAS FOUR COUNTERS:

A. THE TOTAL LINE ENTRIES FOR A PROJECT.

B. THE TOTAL LINE RENTRIES WHICH HAVE A CRITICAL LOW-DENSITY INDICATOR.(CLDI).

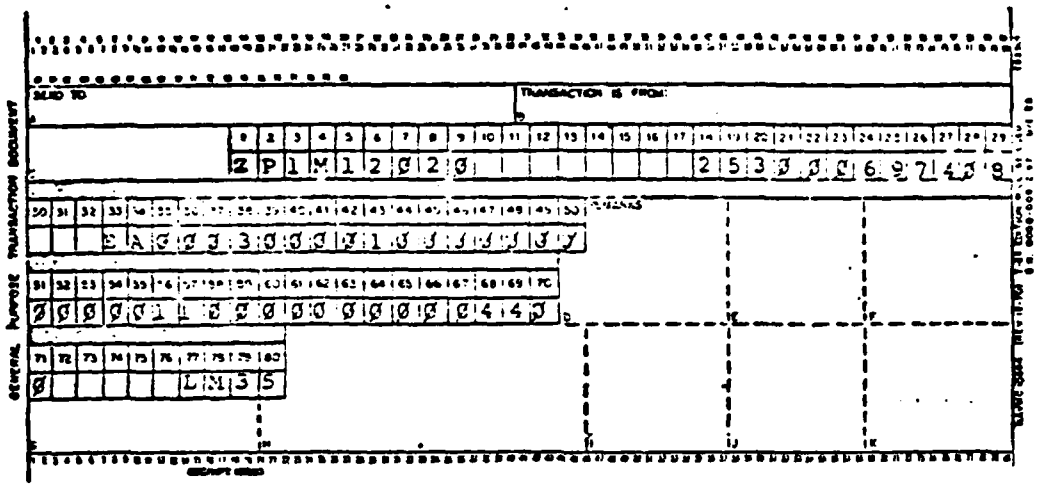
C. THE TOTAL LINE ENTRIES WHICH HAVE NOT BEEN COMPLETED.

D. THE TOTAL LINE ENTRIES WHICH HAVE NOT BEEN COMPLETED AND CONTAIN A CLDI.

THE TOTAL LINE ENTRIES COUNTER IS COMPARED WITH THE TOTAL LINE ENTRIES COUNTER NOT COMPLETED, AND A COMPLETION PERCENTAGE IS CALCULATED FOR A PARTICULAR PROJECT. ALSO, THE LINE ENTRIES WITH A CLDI ARE COMPARED TO THE LINE ENTRIES NOT COMPLETED WITH A CLDI; AND A COMPLETION PERCENTAGE IS CALCULATED.

Code	Transaction Document Title	Action/Explanation	Type
ZP1	Provisioning Back-Order Establishment Transaction	Processing requirements are determined by the following specifications: a. The AC (CC's 4-9) must contain a valid AC. b. The unit of issue field (CC's 33-34) must contain a valid unit of issue.	Input
ZP2	MCLSBLant Provisioning Due Notice	Data element requirements are as follows: a. The AC (CC's 4-9) is the AC of the general account. b. The document number (CC's 10-17) is an MCLSBLant-generated document number.	Input
ZP3	Provisioning Report Card/ Tape Layout	Computer-generated. Used to determine status of project.	Output
ZP4	Provisioning and BOM Report Generator Card	Processing requirements are determined by the following specifications: a. If the data entry fields, provisioning project code (CC's 11-13), and BOM number (CC's 21-23) are blank, a report will be generated for all project codes and BOM numbers, as applicable. If entries are made in these fields, reports will be generated for the applicable provisioning or BOM project; e.g.; the BOM number is entered in the BOM number field (CC's 21-23) when a report for a particular BOM project is desired. b. Enter the code "1" in the transfer indicator field (CC 14) to cause DAD transactions to be generated to move provisioning onhand to OPSTK onhand in the balance file. A project code or BOM number must be in the ZP4 input transaction document.	Input
ZQI	Inquiry Transaction	Applicable to DASF, MRPF, and GIDF during the daily update; other files, during Inquiry Subsystem. File Indicator Codes DS (due and status), MP (Materiel Returns Program), and DF (general account incoming demand file) are the only valid entries during the daily update. File indicators AL, BA, DF, DS, GA, GB, MF, MH, MO, MP, UB, UF, and VF are applicable during the Inquiry Subsystem.	Input

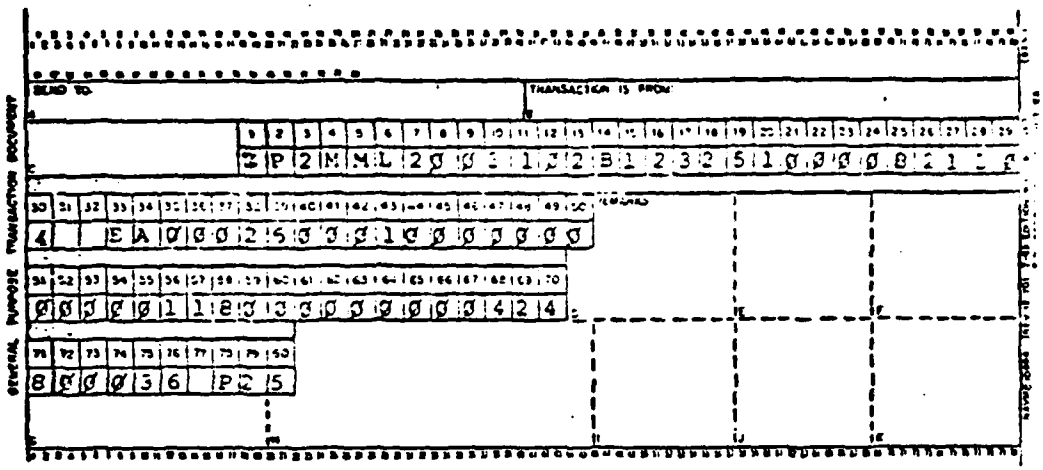
Provisioning BO Establishment (ZP1)



LEGEND

CC	Title	Explanation or Entry
1-3	Document Identifier Code	Enter DIC ZP1.
4-9	Activity Address Code	Enter the AC which the BO is established for.
17	Blank	Leave blank.
32	National Stock Number	Enter the NSN of the item being back-ordered.
33-34	Unit of Issue	Enter the U/I.
35-39	Quantity Garrison Operating Level	Enter the authorized GOL quantity.
40-44	Quantity Mount Out	Enter the authorized mount-out quantity.
45-49	Quantity Mount-Out Augmentation	Enter the authorized mount-out augmentation quantity.
50-58	Unit Price	Enter the unit price.
59-71	Extended Dollar Value	Enter the extended dollar value.
72-76	Blank	Leave blank.
77	Critical Low-Density Indicator	The letter "L" will appear in this block if the item is designated as a critical low-density item.
78-80	Provisioning Project Code	Enter the provisioning project code.

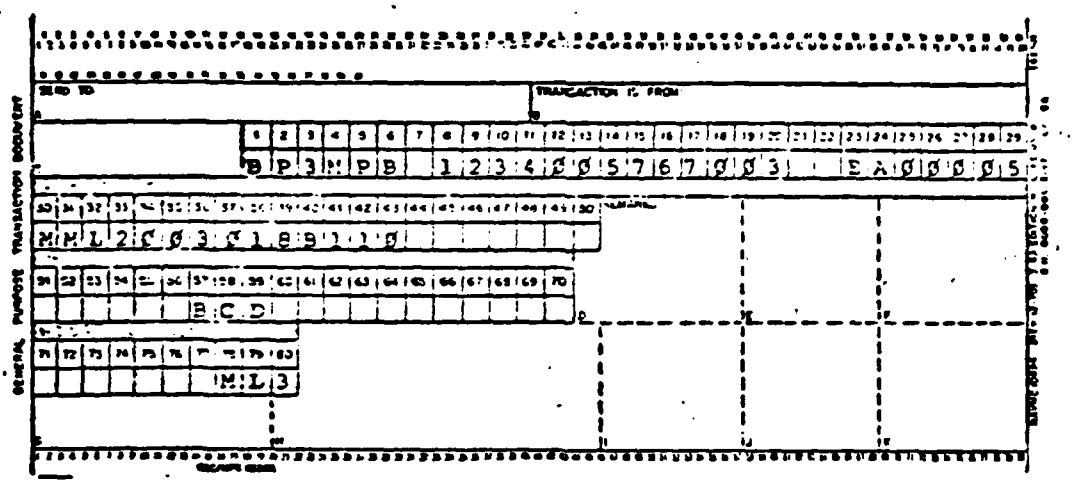
MCLSBLant Provisioning Due Notice (ZP2)



LEGEND

CC	Title	Explanation or Entry
1-3	Document Identifier Code	Enter DIC ZP2.
4-17	Document Number	This will be an ICP-generated document number. The AC of the document number will be of the general account.
18-32	National Stock Number	Enter the NSN of items due.
33-34	Unit of Issue	Enter the U/I of the NSN.
35-39	Quantity Garrison Operating Level	Enter the quantity authorized GOL.
40-44	Quantity Mount Out	Enter the quantity authorized for mount out.
45-49	Quantity Mount-Out Augmentation	Enter the quantity authorized for MOA.
50-58	Unit Price	Enter the standard unit price of the NSN.
59-71	Extended Dollar Value	Enter the extended price.
72-76	Total Quantity	Enter the total quantity required.
77	Critical Low-Density Indicator	The letter "L" will appear in this column when the item is designated as critical low-density item.
78-80	Provisioning Project Code	Enter the provisioning project code.

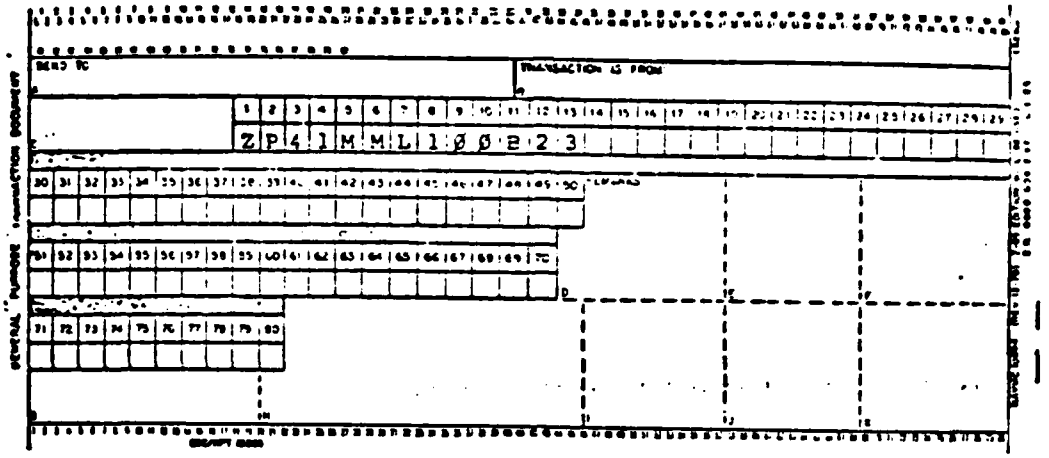
Provisioning Report Card/Tape Layout (BP3)



LEGEND

CC	Title	Explanation or Entry
1-3	Document Identifier Code	Enter DIC BP3.
4-6	Routing Identifier Code	Enter RIC MPB.
7	Receipt Indicator	Enter the receipt indicator
8-22	National Stock Number	Enter the DASF RNSN.
23-24	Unit of Issue	Enter the DASF U/I.
25-29	Quantity Received	Enter the DASF quantity received.
30-43	Document Number	Enter the DASF document number.
44-56	Blank	Leave blank.
57-59	Project Code	Enter the DASF project code.
60-77	Blank	Leave blank.
78-80	RIC of SMU	Enter the RIC of the SMU.

Provisioning and BOM Report Generator Card (ZP4)



LEGEND

CC	Title	Explanation or Entry
1-3	Document Identifier Code	Enter DIC ZP4.
4	Report Indicator Code	Enter "1" to produce BP3 cards.
-10	Activity Address Code	Enter the AC to which the transaction is being sent.
11-13	Provisioning Project Code	When "XXX" is entered, the report will be in all project codes. The project code is entered when a report for a particular project is desired.
14	Blank	Leave blank.
15-19	Equipment Repair Order Number	Enter the ERO number. When "XXXXX" is entered, the report will display all ERO numbers.
20-22	Bill of Materiel Number	When "XXX" is entered, the report will be in all BOM numbers. The BOM number is entered when a report for a particular BOM project is desired.
23-80	Blank	Leave blank.

ANNEX M

MAINTENANCE FLOAT

PROVISIONING PROCEDURES ARE BRIEF AND CONCENTRATE PRIMARILY IN STOCKAGE LEVELS.

AS AN EXAMPLE: IF THERE ARE SERVERAL PROVISIONING PROJECTS WHICH INCLUDE THE SAME NSN ITEMS, THE PROVISIONING ALLOWANCE IS COMPUTED AS THE TOTAL SUM OF ALL PROVISIONING PROJECTS' NSN QUANTIT

AS ANOTHER EXAMPLE: IF THERE ARE MSL ITEMS CONTAINED IN AN UNRELEASED PROVISIONING PROJECT, IT IS TREATED AS A PROVISIONING PROJECT UNTIL RELEASED. UPON RELEASE OF THE PROVISIONING PROJECT, THE MSL PORTION IS MOVED TO THE MSL ALLOWANCE FIELD OF THE BALANCE FILE. PRIOR TO PROJECT RELEASE FOR IN-SERVICE, THERE SHOULD BE NO QUANTITY ENTERED IN THE BALANCE FILE ALLOWANCE FIELD.

ANNEX N

WAR RESERVE POLICY MANUAL

MCO P4400.39D

PURPOSE: To promulgate logistic policy for the selection and management of Marine Corps War reserve material.

I. War Reserve System

- Objective is to insure that an acceptable level of material is available to the Fleet Marine to provide support during mobilization and in combat operations.

System Overview

- Development of requirements and attainment of assets to assure support for the FMF from M-day through period of support planned for each MAF and 4th DWT.

- Marine Corps provides following support:

  a. Class I (operational rations)

  b. Class II (forms and pubs)

  c. Class III (60 day mountout less bulk air/ground POL and aviation related).

  d. Class IV

  e. Class V (ground ammo)

  f. Class VI

  g. Class VII (less aviation peculiar)

  h. Class IX (less aviation peculiar)

- Navy provides aviation peculiar support plus Class VIII (medical/dental).

II. War Reserve Stocks (WRS)

- WRS shall be acquired, held and maintained only to meet the war reserve material requirements (WRMR--that sum of requirements calculated separately for each MAF and 4th DWT--) determined and established in accordance with planning and programming guidance.

- WRS shall be reviewed at least annually.

Positioning of WRS

- 60 day level will be positioned, to maximum extent possible, with active forces as mount out.

- Minimum stockage list (MSL) items will be held by using units. All other items will be centrally managed by appropriate FMF service support element.

- WRM stocks held by Marine Corps Stores Distribution System shall be positioned so as to provide maximum assurance that stocks are readily available when required by the FMF.

III. Issue of War Reserve Stocks

- Cognizant commander must have capability to replenish stocks. After issue WRS shall be promptly replenished.

- During peace time authority to issue is limited to:

a. CMC (Code L) for principal end items (to include Class V) held by Marine Corps Stores Distribution System.

b. CG, MCLB, Albany for issue of secondary items held by Marine Corps Stores Distribution System.

c. FMF commanders for issue of stocks held and owned by the FMF.

IV. Class IX Policy

Minimum Stockage List (MSL)

- MSL concept is designed to support "critical low density" equipment. The MSL contains repair parts and SecReps whose failure in the end item would render that end item either inoperative or degrade its essential performance in combat.

- Range and depth of repair part and SecRep requirements will be determined by MCLB, Albany in accordance with MCO P4400.79.

- MSL positioned at using unit level.

- MSL for Reserves will be held in stores system for issue upon mobilization, with the exception of those allowances authorized to be held by the Reserves in peacetime by CMC (Code L).

- Authority to designate an end item as critical low density is restricted to CMC (Code L).

- Operating stocks of MSL at service unit level will be in accordance with SASSY stockage policy.

Secondary Reparables

- MCLB, Albany will calculate the 60-day mount-out level of SecReps for each MAF and the 4th DWT. After review and approval the active forces, the mount out level will be attained and positioned by the designated FMF maintenance float accounts. Assets for the 4th DWT will be held in stores system as Positioned WRMS for issue upon mobilization.

- Secondary non-depot reparables are selected for inclusion in the FMF maintenance floats on an item-by-item basis by the designated float managers. The 60-day mount out level for these non-depot SecReps will be calculated by the Active forces and will be attained and positioned by the designated FMF Maintenance Float Account.

- Secondary non-depot reparables not selected for management in a maintenance float account will be managed as common repair parts.

Repair Parts

- General concept calls for the computation of repair parts requirements on the basis of the full period of support planned for each MAF and the 4th DWT.

- MCLB, Albany will caluclate the war reserve requirements for repair parts for the full period of support planned for each MAF and the 4th DWT.

  Calculations based on

  - Demand history, from SASSY.

  - Data in critical item file of Logistics Information System (LIS).

  - Technical expertise.

- MCLB, Albany calculations will be forwarded to each active MAF for review and determination of a 60-day mount out level. The mount out level to be held by the FMF will be offset by the depth of support available in the prescribed safety level of the items normally stocked by the Active forces.

- Remainder of war reserve material requirement for each active MAF will be attained and centrally managed in the stores system as PWRMS.

APPENDIX C ANNEX N

CRITERIA FOR SELECTION OF ITEMS FOR WAR RESERVES

1. The following criteria shall be used for the selection of items as war reserves:

a. Items essential for combat forces to:

(1) Destroy the enemy or his capacity to continue war.

(2) Provide battlefield protection of personnel.

(3) Detect, locate, and maintain surveillance of the enemy.

(4) Communicate under war conditions.

b. Items essential for the operational effectiveness of combat support forces and the expanded logistics system in support of combat forces. Items contained in this group include those applicable to contiguous transportation and the support of men and materiel, and for establishment or construction of logistics bases, port facilities, lines of communication, hospitals, etc.

c. Items without which essential equipment or weapon systems would be inoperative or operationally ineffective.

d. Items essential for the sudden mobilization and/or deployment of approved Active and Reserve forces; e.g., initial equipping, housing, and training of Reserve forces.

e. Items required for survival and protection of personnel; e.g., medical supplies and equipment, certain air/sea rescue items, and specialized life-protective clothing and equipment.

f. Items designated as operational rations.

2. Items meeting any of the criteria in paragraph 1, preceding, which also meet one or more of the criteria listed in the following should be given special consideration in the selection process:

a. Items which are known to have production difficulties (e.g., long leadtime items; items where there is a lack of adequate production capability, lack of required materials, or lack of specialized production skills or equipment; and items that require continuous surveillance of the production base).

b. Items having a single production source or which are predominately produced in a foreign nation(s).

c. Items designed and fabricated only at military industrial activities and which are not available from commercial sources.

3. Items which meet the following criteria will not be selected as war reserves:

a. Items required solely for comfort, convenience, or morale.

b. Items determined to be contractor-/vendor-supported during the early development of production phase.

c. Items which can be readily fabricated in the field with available tools and material.

d. Items which are not essential for the performance of combat, combat support, or combat service support missions.

e. Subsistence items, except for those designated as operational rations.

f. Items normally available from commercial sources in sufficient quantities and in the time required to meet wartime military demands. Exceptions are permitted when urgent military considerations dictate that commercial-type items must be prepositioned prior to the assumed day of mobilization (M-day) or emergency operation initiation.

g. Items possessing deteriorative or unstable characteristics to the degree that the storage time period is limited. Certain shelf-life items may be selected when either:

(1) They can be rotated effectively through normal issue.

(2) Considerations of overriding military effectiveness prevail.

h. Items which are limited, nonstandard, obsolete, or are in the process of being replaced by other items.

*U.S. GOVERNMENT PRINTING OFFICE: 1976-641-260/80

ANNEX O

INITIAL ISSUE STEPS

1. MCLB recommends Project/Equipment Ready-for-Issue.

2. HQMC directs that initial issue be effected.

3. Provisioner loads Parts Data (i.e., NSN, Unit of Issue, SAC, Maintenance Codes, Purpose Code, Allowance Factors, Repair Rate, Repair Cycle Time, Unit Price, Applicable Force Code, Criticality Code, Acquisition Advice Code and ID Number) and Organizational Data (i.e., Activity Account Code, RSA, Priority, Authorized Maintenance Code, End Item Qty, Authorize GOL/M-O Day Levels, I/I Supplier and Applicable Force Code) to initial issue file (H16).

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6. Upon receipt of materiel, the field submits a "BP3" transaction. This card is input to the "H16" file and deletes the entire NSN or a portion of the quantity thereof from the specific organization.

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