

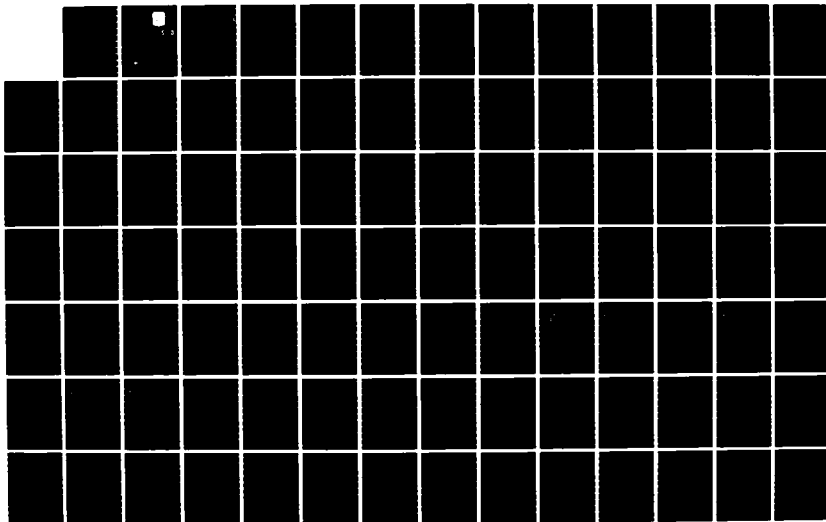
AD-A168 148

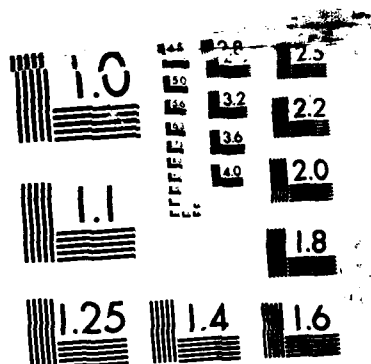
LOGISTICAL SUPPORT FOR THE MOBILIZED ARMY TRAINING
DIVISION'S OPERATIONS: TRIM TOSS A SIMULATION PARADIGM
(U) ARMY WAR COLL CARLISLE BARRACKS PA M C CLAYTON
F/G 15/3

1/2

UNCLASSIFIED 07 MAY 86

NL



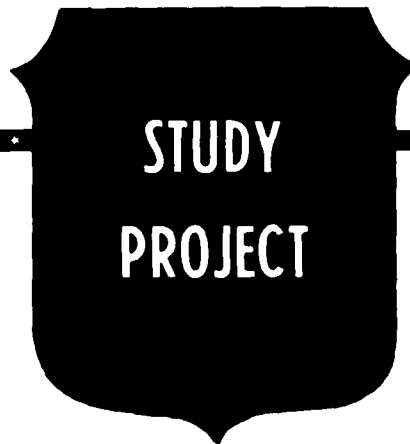


MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

2

AD-A168 348

The views expressed in this paper are those of the author and do not necessarily reflect the views of the Department of Defense or any of its agencies. This document may not be released for open publication until it has been cleared by the appropriate military service or government agency.



LOGISTICAL SUPPORT FOR THE
MOBILIZED ARMY TRAINING DIVISION'S OPERATIONS:
TRIM TOSS, A SIMULATION PARADIGM (U)

BY

COLONEL M. COURTLAND CLAYTON, TC, USAR

DTIC
ELECTE
JUN 13 1986
S D

DISTRIBUTION STATEMENT A:
Approved for public release;
distribution is unlimited.

7 MAY 1986



US ARMY WAR COLLEGE, CARLISLE BARRACKS, PA 17013

DTIC FILE COPY

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO. AD-A18348	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Logistical Support for the Mobilized Army Training Division's Operations: TRIM TOSS, A Simulation Paradigm (II)		5. TYPE OF REPORT & PERIOD COVERED STUDENT PAPER
7. AUTHOR(s) COL M. Courtland Clayton		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS US Army War College Carlisle Barracks, PA 17013		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS SAME		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE 7 May 1986
		13. NUMBER OF PAGES 144
		15. SECURITY CLASS. (of this report) UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) During peacetime, the Army cannot afford to maintain Army Training Centers (ATCs) at levels which would be necessary upon mobilization; therefore, Major US Army Reserve Commands (MUSARCs) called Army Training Divisions (ATDs) are training to be ready upon mobilization to operate the Army's institutional training base to teach combat survivability and to provide military skill training while transitioning the students from civilian to soldier status, a process called "soldierization." To be ready for their (continued)		

DD FORM 1 JAN 73 1473

EDITION OF 1 NOV 65 IS OBSOLETE

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

BLOCK 20 (continued)

training mission, the ATDs need advanced planning, skillful execution, and good preparation training. A significant portion of the planning and, consequently, preparatory training, is based upon the military occupational specialties projected to be needed upon mobilization, the expected student load, the prescribed courses of instruction and the associated necessary logistical support requirements, and the level of supporting logistical resources expected to be available to the ATD. Because of the numerous unique potential threat scenarios and the myriad combinations thereof, the courses of instruction and the quantity of students could vary, as could the level of supporting logistical resources available. The ATD commander needs an iterative simulation model to determine the results of each potential scenario's impact upon the ATD. Through theoretical and empirical research, the specification for such a simulation paradigm, TRaining Division Mobilization Training Operations Simulation System (TRIM TOSS), has been developed, and is herein presented as a performance specification (as opposed to design specification) which is delineated (via an eight-page flow chart, fifty-six user interface masks, and four batch and twenty-four on-line reports) in appendices to this individual study project which was accomplished at the US Army War College.

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

USAWC MILITARY STUDIES PROGRAM PAPER

The views expressed in this paper are those of the author and do not necessarily reflect the views of the Department of Defense or any of its agencies. This document may not be released for open publication until it has been cleared by the appropriate military service or government agency.

**LOGISTICAL SUPPORT FOR THE
MOBILIZED ARMY TRAINING DIVISION'S OPERATIONS:**

TRIM TOSS, A SIMULATION PARADIGM (U)

by

Colonel M. Courtland Clayton, TC, USAR

Colonel William L. Carew, JAGC, USAR
Project Advisor

US Army War College
Carlisle Barracks, Pennsylvania 17013

7 May 1986

DISTRIBUTION STATEMENT A:
Approved for public release;
distribution is unlimited.

ABSTRACT

AUTHOR: M. Courtland Clayton, Colonel, Transportation Corps,
United States Army Reserve

TITLE: Logistical Support for the Mobilized Army Training
Division's Operations: TRIM TOSS, A Simulation
Paradigm (U)

FORMAT: Individual Study Project

DATE: 7 May 1986 **PAGES:** 139 **CLASSIFICATION:** Unclassified

During peacetime, the Army cannot afford to maintain Army Training Centers at levels which would be necessary upon mobilization; therefore, Major United States Army Reserve Commands called Army Training Divisions are training to be ready upon mobilization to operate the Army's institutional training base to teach combat survivability and to provide military skill training while transitioning the students from civilian to soldier status, a process called "soldierization." To be ready for their training mission, the Army Training Divisions need advanced planning, skillful execution, and good preparation training. A significant portion of the planning and, consequently, preparatory training, is based upon the military occupational specialties projected to be needed upon mobilization, the expected student load, the prescribed courses of instruction and the associated necessary logistical support requirements, and the level of supporting logistical resources expected to be available to the Army Training Division. Because of the numerous unique potential threat scenarios and the myriad combinations thereof, the courses of instruction and the quantity of students could vary, as could the level of supporting logistical resources available. The Army Training Division commander needs an iterative simulation model to determine the results of each potential scenario's impact upon the Army Training Division. Through theoretical and empirical research, the specification for such a simulation paradigm, Training Division Mobilization Training Operations Simulation System (TRIM TOSS), has been developed, and is herein presented as a performance specification (as opposed to design specification) which is delineated (via an eight-page flow chart, fifty-six user interface masks, and four batch and twenty-four on-line reports) in appendices to this individual study project which was accomplished at The United States Army War College.

PREFACE

This individual study project was conceived and developed at The United States Army War College. The scope and general methodology are intended and expected to be fully compatible with the proposed multi-user Training Base Expansion Computer Simulation Model being planned by the United States Army Training and Doctrine Command. This research paper is designed to develop the basic concepts and logic which would be pertinent to a larger, fully-integrated, multifunctional networked system such as the Training Base Expansion Computer Simulation Model.

The supporting logistics paradigm created herein, TRaining Division Mobilization Training Operations Simulation System (TRIM TOSS), has been developed theoretically and empirically and validated empirically using key, cognizant individuals of significant expertise at Headquarters, Department of the Army, United States Army Training and Doctrine Command, US Army Armor Center and Fort Knox, and the 100th Division (Training) (Armor) (One Station Unit Training). It is more than the simple documentation of a research effort. It is a performance specification (as opposed to a design specification) for a user-oriented, user-friendly simulation model which can be operationalized (through systems analysis and programming) to realize its potential as an extremely powerful mobilization planning and management tool.

The author has served in a United States Army Reserve Training Division, has had mobilization planning experience as a battalion commander, and has selected mobilization as his primary area of interest in both the Military Studies Program and in the Advanced Course Phase at The United States Army War College.

Grateful appreciation is expressed by the author for the professional advice and careful, considered, conscientious counsel received from his Project Advisor at The United States Army War College (William L. Carew, Colonel, Judge Advocate General Corps, United States Army Reserve), and from his Faculty Advisor at The United States Army War College (Robert J. Lilley, Colonel, Military Intelligence, United States Army).

TABLE OF CONTENTS

	Page
ABSTRACT	iii
PREFACE	iv
CHAPTER I. INTRODUCTION	1
II. HYPOTHESIS	3
III. THEORY	7
IV. ENVIRONMENT	10
V. PURPOSE	12
VI. SYSTEM	14
VII. METHODOLOGY	16
VIII. ANALYSIS	19
IX. ENHANCEMENTS	21
X. CONCLUSIONS	23
XI. RECOMMENDATIONS	25
BIBLIOGRAPHY	27
APPENDIX A. Army Training Divisions and Brigades	39
B. Basic Training Army Training Centers	41
C. Basic Training Courses	42
D. Components of the Army	45
E. Mobilization ARPRINT Sample	46
F. Mobilization Levels	53
G. Mobilization Phases	55
H. TRIM TOSS Flowchart	56
I. TRIM TOSS Masks and Reports	65
DISTRIBUTION	126



☒	
☐	☐
Codes	
Di t	Avail and/or Special
A-1	

CHAPTER I

INTRODUCTION

The Army Mission¹⁷

"It is the intent of Congress to provide an Army that is capable, in conjunction with the other Armed Forces, of preserving the peace and security...of the United States...supporting the national policies...implementing the national objectives...and overcoming any nations responsible for aggressive acts that imperil the peace and security of the United States. (The Army) shall be organized, trained, and equipped primarily for prompt and sustained combat incident to operations on land... (and) is responsible for the preparation of land forces necessary for the effective prosecution of war except as otherwise assigned, and, in accordance with integrated... mobilization plans, for the expansion of the peacetime components of the Army to meet the needs of the war."

Title 10, United States Code, Section 3062

During peacetime, the Army employs such Army Training Centers (ATCs) as are required to train the civilians who are recruited to volunteer to enter the Army. Fewer ATCs are needed during peacetime than are expected to be necessary upon mobilization; however, sometime in the future, the US Army may be required to go to war to protect the freedom of the United States of America. Therefore, the United States Army must be prepared for such an eventuality.

To achieve preparedness, the Army must be well-trained because training is the key to combat readiness for mobilization.

"Mobilization is bringing the total Army force to a state of readiness for war or for other national emergencies.... Mobilization requires advanced planning, skillful execution, and good training."¹²¹

Taking cognizance of and planning for mobilization must inherently be vital, integral, and preeminent components of all peacetime (premobilization) training.⁵⁸

Planning for mobilization is predicated upon the concept that the Army Active Component (AC) maintains forward-deployed units to fulfill international defense commitments and respond to immediate and emergency threat contingencies until the Army Reserve Component (RC), the "Minutemen,"³⁸ can be mobilized and deployed (in spite of any individual personal problems).^{14,125,134}

Peacetime (premobilization) planning includes training^{110,117} of both the AC and the RC to improve their capability and proficiency in both individual soldier and unit tasks to achieve and maintain a strong combat readiness posture. Both the AC and the RC must necessarily be continually assessing and reassessing their readiness postures versus the threat to national security and they must be constantly managing their scarce resources to meet anticipated mobilization requirements.⁶⁶

The primary challenges in mobilization training are individual training at the Army's institutional training base,⁹⁰ individual and collective training in existing AC and RC units,¹¹⁹ training for newly organized or reorganized AC and RC units, and flexible and responsive training support.

CHAPTER II

HYPOTHESIS

If a national mobilization were required, the current ATCs undoubtedly could not accommodate the quantity of recruits and/or inductees who would require training. This is true because upon mobilization trained soldiers would be needed as fillers for Component 1, 2, and 3 units, and total manning would be required for Component 4 units, and, if necessary, total manning would also be necessary for Component 6 units.¹²¹ (See Appendix D for an explanation of the Components of the Army.) This would necessitate the provision of initial entry training (IET) for many thousands of non-prior service personnel (recruits/inductees) plus refresher training for prior service individuals.

Since the Army cannot afford to maintain an AC force structure to meet all contingencies, a necessary increase in the size and quantity of ATCs to support the increased trained manpower requirement would be accommodated by employing a significant mobilization asset,¹¹ i.e., by mobilizing the RC Army Training Divisions and Brigades (ATDs) to increase the capacity of the Army's institutional training base.¹⁰⁴ (See Appendix A for a listing of the ATDs, all of which are in the RC.)

"Upon mobilization, the Army Reserve's...training divisions and...brigades...and reception stations...would assume an awesome responsibility. They would have to process and train 400,000 new soldiers for a rapidly expanding Army within the first six months.

And, they would have to start doing it within 15 days. In short, the Army Reserve would largely take over the Total Army's training job."¹⁸

If mobilized, some of the ATDs would "augment" (or expand) existing ATCs while others would establish new ATCs on installations where none currently exist. If the ATDs are to achieve and maintain high states of readiness for their mobilization missions of training non-prior service personnel (the mobilization processing of untrained manpower)⁴⁷ and updating prior service individuals,¹⁰⁰ the ATDs need the "advanced planning, skillful execution, and good training" quoted in Chapter I.¹²¹

A significant portion of the planning, and, consequently, preparatory training, is based upon the military occupational specialties (MOSs) projected to be needed by the Army upon mobilization,¹¹⁵ the expected student load, the necessary courses of instruction which are prescribed for the soldier skills⁹⁹ and the associated necessary logistical support requirements, and the level of supporting logistical resources expected to be available to the ATD.

Significantly different levels and types of supporting logistical resources are required for the training of different MOSs, e.g., lands,¹²⁷ ranges,^{84,128} and ammunition.¹²⁹ In addition, the level of required supporting logistical resources necessarily varies with the MOS and quantity of students to be trained per unit of time.

There are numerous unique potential threat scenarios, and myriad combinations thereof. Based upon the Department of Defense mobilization policies, programs,¹³³ and plans¹⁰⁶ and the Army

Mobilization and Operations Planning System,¹¹⁴ the Mobilization Army Program for Individual Training (MOB ARPRINT),¹⁰⁴ schedule of trainee input quantities, may vary accordingly. (Schedule E displays a sample MOB ARPRINT.)

Therefore, both the MOSs to be taught and the quantity of students to be trained would be expected to vary - as would the level of supporting logistical resources needed and those available at a given Army post - by threat scenario and depending upon each installation's mission and type and level of activity at any given time.

At the logistical resource requirements level, there may be untried, unexercised, and unproven unknowns, uncertainties, and assumptions upon which current mobilization plans are based. Mobilization exercises have proved to be valuable in surfacing and dealing with these.²¹

To achieve and maintain an appropriate mobilization readiness posture, the results of each scenario's impact upon each ATD and its supporting logistical resource requirements should be identified so that each contingency can be studied and considered as the basis for planning for the ATD's operations upon mobilization.⁷⁵

Planning for the mobilization of the RC is extremely critical to the national security.^{82,123} Everything which can be done "now" should be done "now"⁵ to enhance the success of each ATD's operations "then"⁶⁸ because purposeful proper prior planning⁵¹ precludes poor performances; however, the typical RC unit is faced with a significant dilemma: mobilization mission planning, preparation, and training versus available time.⁷⁴ Consequently,

the ATD commander needs an iterative tool with which to play "What If?" games³ to determine the impact of different scenarios upon the readiness posture of the ATD.

Such a tool might be a simulation paradigm (an "expert system")⁷ which could be employed iteratively following the standard "production rules" (also referred to as "situation-action" or "if-then" rules) of the typical "expert system"² to analyze the many scenarios which conceivably might happen "then"⁷⁸ to reflect the ATD's mobilization readiness posture "now." This tool⁵⁵ would display the varying degrees of shortages and surpluses of the required supporting logistical resources, and could be utilized as a basis for planning for mobilization and for providing data for decisions concerning alternatives for achieving balances of supporting logistical resources with mobilization missions. As is common in "expert systems," the desired tool should exhibit the qualities of "extensibility, simplicity, and explicitness."⁸

CHAPTER III

THEORY

A system is "an assemblage or combination of things or parts forming a complex or unitary whole;...any assemblage or set of correlated members;...an ordered and comprehensive assemblage of facts, principles, or doctrines in a particular field of knowledge or thought;...a coordinated body of methods, or a complex scheme or plan of procedure;...any formulated, regular, or special method or plan of procedure."⁶³

"A system is a set of interrelated elements."³² Since these elements are related, change in one element may lead to change in other elements. "An open system is one that interacts with its environment."³² It depends on a continuous flow of "inputs"²⁰ to continue to function. Thus, "it is more than just a set of interrelated elements. Rather, these elements make up a mechanism that takes input from the environment, subjects it to some form of transformation process, and produces output."³²

Some of the characteristics of "systems" (a set of components, which are also systems themselves, interacting with each other, enclosed by a boundary), are the "environment"³² (the supersystem within which the system under consideration exists and with which it interacts), "input"²⁰ (the resources which the "system" under consideration requires from its environment), "output"²⁰ (the products which are discharged from the system under consideration to

its environment), "boundary"²⁰ (the filter which encloses and defines the system by transformation and/or selection of both the kind and rate of flow of inputs to and outputs from the system under consideration), "feedback"⁴² (the information about the system's output which can be used to control the system under consideration), "state"²⁰ (the particular pattern of relationships existing among the components and the particular filtering condition of the boundary at any given moment), "internal interdependence"⁸³ (the extent to which changes in one component of the system under consideration affects the other components thereof), "equilibrium"³² (the system's internal inherent energy to move toward a state of balance), "equifinality"³² (the phenomenon that the final state can be reached from differing initial states and conditions and by a variety of paths), and "adaptation,"³² (the system's ability to achieve a favorable balance of input and output transactions with the environment).

There are four categories of systems: "physical," "biological," "human," and "superhuman."⁶ Physical systems include static structures (e.g., maps, anatomy charts, and bridges), clockworks (i.e., combinations of static structures such as clocks and the solar system), and analytical (e.g., thermostats). Biological systems include self-maintaining structures (e.g., cells and amoeba), combinations of specialized self-maintaining structures (e.g., plants), and mobile, trainable combinations of specialized self-maintaining structures (e.g., animals). Human systems include self-awareness (e.g., humans) and social systems (e.g., roles and

values). Superhuman systems include transcendental systems (i.e., ultimate unknowables).

Systems do not necessarily presuppose and/or require the employment of computers. Neither do "system models." A system model simply reflects, via whatever medium chosen, the operation of its component set. It does not have to "work." It has to portray relationships, causes, and effects.

The system modeled herein defines those sets of interrelated logistical support elements which are necessary now and which are expected to be vitally and critically crucial to the successful accomplishment of the ATD's mission upon the ATD's mobilization.

CHAPTER IV

ENVIRONMENT⁵⁶

When mobilized, the ATD will move to its assigned Army post and concentrate its primary effort on the training of recruits and inductees. Subsequent to completion of all five Levels of Mobilization (See Appendix F), the ATD will have physically relocated to its mobilization station. To accomplish its mobilization mission, the ATD obviously must have access to or possess the appropriate quantities, kinds, and types of people trained in the requisite military skills to perform all of the necessary activities associated with its primary mission of training civilians to become soldiers, a process called "soldierization."

Likewise, the appropriate associated quantities of the necessary materiel, equipment, facilities, and services will be needed. It is not possible to develop a static mobilization plan for the ATDs because the appropriate numbers and types of people, materiel, equipment, facilities, and services depend upon the trained soldier output schedule prescribed by the US Army Training and Doctrine Command (TRADOC).¹⁰⁴ While schedules (MOB ARPRINTs) have been published which reflect the Army's anticipated needs based on current Department of Defense guidance,⁹⁵ the actual trained soldier requirements will ultimately be identified based on the level of mobilization, the area and intensity of hostilities, and the subsequent quantity and type of trained skills required.

Mobilization training will consist of two phases: Basic Training (BT) and Advanced Individual Training (AIT).

The BT for all soldiers will be common.⁹⁷ BT is expected to be conducted at the Army Training Centers shown at Appendix B. The purpose of BT is to provide combat survivability training and to begin the process of soldierization for non-prior service personnel.¹⁰³ Although peacetime BT is eight weeks long, mobilization BT will be seven weeks in length and will include the classes displayed at Appendix C.

The purpose of AIT is to provide definitive MOS training and complete the process of soldierization for non-prior service personnel. AIT will vary in course content and length for each MOS taught.^{85,86,87,88,89}

There are some MOSs which are planned to be taught upon mobilization via the "One Station Unit Training" (OSUT) concept wherein BT and AIT are "merged" to form one single "OSUT-cycle." An example of this is the family of Infantry MOSs taught at Fort Benning, Georgia (11B10 - Light Weapons Infantryman, 11C10 - Indirect Fire Crewman, and 11H10 - Heavy Antitank Weapons Crewman) which vary in training period length depending upon training configuration.⁹³

CHAPTER V

PURPOSE

The purpose of this study is to research, develop, and provide a performance specification (not a design specification) for a flexible simulation paradigm of a "type" ATD which will model and reflect the far-reaching ramifications and consequences of the possible combinations of the multiplicity of factors which would be expected to impact the ATD's mobilized operations. Such a paradigm would be employed by the ATD commander to facilitate the ATD commander's mobilization visualization and the associated decisions concerning the premobilization planning and acquisition of supporting logistical resources which should be accomplished.

When operationalized (through systems analysis and programming), such a simulation model (or "expert system," based on the rules obtained from experts²²) would be expected to resolve supporting logistical resource deficiencies in the mobilization plan through the successive application of relatively standard procedures.⁴ It would be intended to be usable by all of the ATDs at home station and at mobilization station, their mobilization station commanders, the Continental United States Armies (CONUSAs), the Major Commands (MACOMs), and the DA staff as a tool to identify and analyze significant problems which might be encountered by a mobilized ATD as it executes the operation of its recruit and/or inductee training mission at its mobilization station.

Furthermore, it is anticipated that its logic basis should be readily expandable and/or adaptable to provide a "What If?" paradigm, or a series of such paradigms, for similar employment by other AC functions such as the existing ATCs, Army schools, Directorates of Logistics (DOL), Directorates of Personnel and Community Activities (DPCA), Directorates of Plans and Training (DPT), Directorates of Resource Management (DRM), Directorates of Health Services (DHS), mobilized deploying units, post tenant activities, etc.,¹²⁶ to provide a fully-integrated training base expansion system.¹³⁰

Additional potential RC applications might include Major US Army Reserve Commands (MUSARCs), both Army Reserve Commands (ARCOMs) and General Officer Commands (GOCOMs).

CHAPTER VI

SYSTEM¹³⁵

The boundary of the ATD System¹² studied circumscribes all activities by the ATD following Mobilization Phase V (Operational Readiness Improvement)¹²¹ which are necessary to provide for the recruits and/or inductees from the time of their arrival at the ATC until their ultimate departure from the ATC via reassignment orders. (The Mobilization Phases are displayed at Appendix G.)

Inputs to the studied system for Army institutional training include the recruits and/or inductees, the prescribed MOB ARPRINT; Mobilization Programs Of Instruction (MOB POI);⁹⁴ training policies to support the requirements of the Theater Army Replacement System (TARS);¹¹⁶ Individual Training Evaluation Programs (ITEPs);¹¹³ Individual and Collective Training Plans (ICTPs); collective training plans; the Army Training and Evaluation Programs (ARTEPs),¹²⁰ drills, simulations, weapon systems training, support systems training, and transition training; Training Extension Course (TEC) lessons;¹¹⁸ field manuals (FMs);¹¹⁸ field circulars; training circulars (TCs);¹¹⁸ technical manuals (TMs);¹¹⁸ soldier training publications (STPs);¹¹⁸ graphic training aids (GTAs);¹¹⁸ motion pictures and videotapes;¹⁰⁹ equipment, including uniforms; weapons; ranges; ammunition; vehicles; and facilities, including those required for teaching, billeting, and messing.

Outputs from the studied system include soldiers institutionally trained in prescribed MOSs, individuals reassigned to other training institutions, and individuals discharged for medical, psychological, or other reasons.

Feedback includes the performance of the trainees in the many areas of training at the various test gates during their institutional training and reports of their actual performances in the field.

The associated simulation model (when operationalized via systems analysis and programming), with multiple and variable parameters, would be expected to be employed both to simulate the "type" ATD's training operations upon mobilization under varying conditions and constraints to facilitate premobilization policies, plans, procedures, and preparation, as well as a tool to enhance the premobilization readiness postures of all ATDs, particularly in the area of supporting logistical resource support.

CHAPTER VII

METHODOLOGY

This subject was interesting because of extensive pertinent background in both military and civilian education, because of prior USAR School service for three years as Director of Enlisted Instruction, and because of assignment to an ATD for twelve years in such positions as Commander, Supply and Transportation Battalion; Division Comptroller; and Chief Comptroller, Transportation Corps Exercise Team, Commander, Headquarters and Headquarters Company, and Executive Officer of the Division's Maneuver Training Command.

Following the "Systems Approach" ("looking at each component part in terms of the role it plays in the larger system"¹²), library research was conducted on the subject of mobilization, with emphasis on ATDs. Then currently cognizant experts were interviewed at Headquarters, Department of the Army, TRADOC, the US Army Armor Center and Fort Knox (a "type" ATC), and the 100th Division (Training)(Armor) (OSUT) (a "type" ATD) to gain a detailed understanding of the logistical resources required to support the operations of a mobilized ATD. Of particular value to the project were the initial expert contributions of key, cognizant personnel at TRADOC Deputy Chief of Staff for Training (DCST),^{16,19,31,36,50,65,76} Deputy chief of Staff for Information Management (DCSIM),^{35,132} Deputy Chief of Staff for Engineering (DCSENGR),²³ and Deputy Chief of Staff for Personnel,

Administration, and Logistics (DCSPAL),⁶² the US Army Armor Center and Fort Knox Directorate of Plans and Training (DPT) Plans, Operations, and Mobilization Branch (POM),^{64,67,80} and the 100th Division (Training) (Armor) (OSUT) Headquarters^{29,34,40} and Assistant Chief of Staff, G-3 Mobilization Team.^{9,24}

Relying heavily upon the detailed input of those key expert personnel identified above, a flow chart was developed to define the logic of the ATD system. (The eight-page flow chart is displayed at Appendix H.)

Next, the user interfaces were specified as masks and reports. (These fifty-six masks and four batch and twenty-four on-line reports are displayed at Appendix I.)

Invaluable technical guidance was received from a US Army War College operations research analyst.⁷⁹

To perform intuitive validation of the flow chart, masks, and reports, key, cognizant personnel were consulted at Headquarters, Department of the Army Deputy Chief of Staff for Logistics (DA DCSLOG);⁵² TRADOC DCST,^{16,36,54,65} 76 DCSIM,^{26,44} DCSSENGR,⁷³ and DCSPAL:⁶² Fort Knox DPT POM,^{25,28,61,67} and the 100th Division (Training)(Armor)(OSUT) Headquarters^{30,41} and Assistant Chief of Staff, G-3 Mobilization Team.¹⁰ These experts reviewed the flow chart, masks, and reports; were briefed concerning their employment; and were requested to critique the system performance specification. They did so, and their contributions are included in the system performance specification which is outlined herein. This validation process proved very valuable as clarifications were identified and

resulting improvements were made accordingly. The consequential performance specification is displayed at Appendixes H and I.

The proposed system, TRIM TOSS (TRaining Division Mobilization Training Operations Simulation System) has been specified from the user's performance requirement standpoint; not as a design specification. Therefore, as is normal, standard, and usual with a performance specification: to be employed, it must be operationalized, i.e., translated by a qualified systems analyst into a design specification (complete with any and all appropriate algorithm(s) which is (are) necessary to provide the target user's required utility as outlined in the performance specification) which will be the technical basis for programming. TRIM TOSS was researched, conceived, developed, and portrayed in the form of a user's performance specification. It was then validated and is now ready for operationalization.

CHAPTER VIII

ANALYSIS

TRIM TOSS is a stand-alone, self-contained system which is expected to achieve the purpose for which it was intended. As outlined at Appendices H and I via a performance specification, TRIM TOSS is believed (based upon expert evaluations and validation) to be conceptually solid and is expected to significantly facilitate not only the home station mobilization planning of the ATD, but also the mobilized planning of the ATD.

Likewise, because of its inherent flexibility, it is believed to be tailorable and/or expandable to suit the user. It would, therefore, be expected to be applicable for employment by the existing ATC, Army school, Army post DOL, DPCA, DPT, DRM, DHS, mobilized deploying units, tenant activities, etc., and, when operationalized, could ultimately be grown to provide a complete training base expansion simulation system.

Since it is designed to be a generic paradigm, it is expected to be employable virtually anywhere scarce resources are managed and would be expected to be particularly effective where the levels of the requirements for and availabilities of such resources characteristically vary, depending upon shifting scenarios, to accomplish changing missions.

In addition to those organizations mentioned above, TRIM TOSS also would be expected to be appropriate for use by MUSARCs, both ARCOMs and GOCOMs, as well as commands of the Army National Guard.

As it is herein developed, the performance specification for TRIM TOSS requires a "Snapshot" of the supporting logistical resource shortages and surpluses associated with the selected quantity of trainees and supporting logistical resource requirements and availabilities. As the values of Requirements and/or Availabilities and/or Student Loads change, the single date base changes; therefore, the records of previous data values reside only on batch output reports.

As the Availabilities are entered by the ATD, incisive questions concerning currently unidentified and unresolved logistical resource support parameters and/or their magnitudes are expected to be identified and resolved; thereby further enhancing ATD mobilization planning and preparation - on a situational basis at each ATD.

CHAPTER IX

ENHANCEMENTS

Provided for accommodation in the TRIM TOSS performance specification (as currently envisioned) are several capabilities to importantly increase the power for the user of this dynamic decision tool. Although inherent in the original concept, they are not included in the instant performance specification but are listed here as enhancements to the base system (the performance of which is specified in Appendices H and I).

The first performance specification enhancement would be the addition of the dimension of "Time" to provide a "Movie" output (as opposed to the current "Snapshot" output) through the entry of: (1) an entire MOB ARPRINT schedule of all trainee input quantities for a given MOS to be taught at the ATC, and (2) the MOB ARPRINT schedules of all trainee input quantities for all MOSs to be taught at the ATC.

The second performance specification enhancement would be the addition of the dimension of "Library" to provide the capability of automatic on-line storage of all parameters and their values for every simulation iteration (as opposed to only printout documentation). This feature would enable the automatic generation and on-line selection, recall, review, analysis, modification, and reutilization of all previous simulation iterations and their parametric values.

The third performance specification enhancement would be the addition of "Training Personnel" as a resource²⁷ to be simulated by

the system (i.e., the disposition of military manpower under emergency mobilization procedures),⁴⁸ thereby enlarging its supporting resource visibility to include personnel as well as logistics.

The fourth performance specification enhancement would be the extension of the currently specified system to include support of the operations of the reception station¹⁵ which would receive and process the incoming trainees in preparation for their input to the ATD. To accomplish this would require the research and development of an additional system module.

CHAPTER X

CONCLUSIONS

Based on the evaluations of those currently intimately and expertly involved with the system modeled herein, the specified inputs and outputs are appropriate, necessary, and sufficient in substance and form necessary for the ATD mobilization planning and decision-making identified herein.

TRIM TOSS, as identified via performance specification, portrays and defines a user-oriented, user-friendly system which (when operationalized) is expected to facilitate ATD home station premobilization planning and to continue to be vital as a tool for planning the supporting resources which will be necessary for accomplishment of the ATD's mobilization mission.

It is designed to interface with and be quickly employed by a junior enlisted soldier (private/corporal/Specialist 4) with no more than minimal user documentation. The terminology/vocabulary employed in the user-interface media are at the basic soldier use level.

TRIM TOSS is intended to be operationalized for employment on a common, simple, IBM-compatible personal computer via floppy disk.

Keeping it "sweet and simple," yet powerful, is the intrinsic feature of TRIM TOSS which is expected to cause it to be readily and effectively employed (when operationalized) by an ever-increasing user population, including (through networking) existing ATCs, Army schools, Army post commanders and their directorates, tenant

activities, mobilized deploying units, ARCOMs, GOCOMs, CONUSAs, MACOMs, and USARNG commands.

While not absolutely necessary for the satisfactory premobilization utilization of the operationalized TRIM TOSS by the ADT at home station, the enhancements addressed in Chapter IX would be expected to be important to its efficient and effective employment as an actual scheduling tool in both pre- and post-mobilization environment.⁵⁶

CHAPTER XI

RECOMMENDATIONS

In view of the expected user-orientation, simplicity, flexibility, and power of TRIM TOSS, it is recommended that:

1. Further research be accomplished to enhance the performance specification displayed at Appendices H and I to include:
 - a. the "Movie" feature.
 - b. the "Library" feature.
 - c. the "Training Personnel" feature.
 - d. the Receptation Station module.
2. TRIM TOSS be operationalized and provided on floppy disk(s) which can be used in a personal computer which is IBM-compatible.⁴⁶
3. The TRIM TOSS floppy disk(s) be made available to all ADTs.
4. TRIM TOSS be tailored and/or expanded to meet the special needs of the other potential users, e.g., ATCs, Army schools, DOLs, DPCAs, DPTs, DRMs, DHSs, mobilized deploying units, tenant activities, post commanders, ARCOMs GOCOMs, CONUSAs, MACOMs, and USARNG commands.
5. All of the above be accomplished in a timely manner to gain the advantage of the employment of the operationalized TRIM TOSS as a decision management tool in the area of supporting logistical and personnel resource planning and allocation - as a pilot for and prior to other than general scoping plans for a complete training base expansion simulation system - to expeditiously field a very necessary

system, to use it, to learn from it, and to further enhance mobilization planning and preparation.

6. Using the TRIM TOSS approach and logic, develop the additional institution, unit, and directorate modules.

7. Integrate all of the above to achieve a complete Training Base Expansion Computer Simulation (TBECS) Model.

BIBLIOGRAPHY

1. Army, Vol. 35, No. 10, October 1985.
2. Army Conference on Application of Artificial Intelligence to Battlefield Information Management, Silver Spring, MD. Proceedings. Washington, DC: Battelle Columbus Laboratories, 1983. Pp. 193-206: "Expert Systems," by William B. Gevarter.
3. Barr, A. and Feigenbaum, E. A. The Handbook of Artificial Intelligence, Vol. 2. Los Altos, CA: W. Kaufman, 1982.
4. Benolt, J. W.; Lemmon, A. V.; and Selander, J. M. KBS: An Expert Planning System for Crisis Response. Final Technical Report prepared for Rome Air Development Center (COES). McLean, VA: MITRE Corporation, August 1982. P. ix.
5. Berkman, William R., MG, Chief of the Army Reserve. "Ready to Perform," The Officer, Vol. LXI, No. 9, September 1985. Pp. 15-17.
6. Boulding, Kenneth E. The Image. Ann Arbor, MI: University of Michigan Press, 1968.
7. Buchanan, Bruce G. Research on Expert Systems. Prepared for Office of Naval Research, National Science Foundation, and Defense Advanced Research Projects Agency. Stanford, CA: Stanford University Press, July 1981.
8. Buchanan, Bruce G. and Duda, R. O. Principles of Rule-Based Expert Systems. Stanford, CA: Stanford University Press, August 1982.
9. Butler, John K., MAJ, USAR, Assistant Deputy Chief of Staff, G-3 for Mobilization, 100th Division (Training)(Armor)(OSUT). Personal Interview. Bowman Field, Louisville, KY: 4 January 1986.
10. Butler, John K., MAJ, USAR, Assistant Deputy Chief of Staff, G-3 for Mobilization, 100th Division (Training)(Armor)(OSUT). Personal Interview. Fort Knox, KY: 21 March 1986.
11. Carter, Robert M., COL. The Training Division as a Mobilization Asset. Essay. Carlisle Barracks, PA: US Army War College, October 1975.
12. Churchman, C. West. The Systems Approach. New York, NY: Dell Publishing Co., 1979.

13. Collins, Arthur S., Jr. Common Sense Training. San Rafael, CA: Presidio Press, 1979.
14. Comptroller General of the United States. Personnel Problems May Hamper Army's Individual Ready Reserve in Wartime. Washington, DC: Government Printing Office, 1983.
15. Crossland, Richard B., MAJ. "Reception Stations: The Achilles Heel of Training Base Expansion," Military Review, Vol. LXV, No. 8, August 1985. Pp. 2-17.
16. Denny, Hugh M., CPT, Chief, Policy and Resources Branch, and Armor Desk Officer, Combat Arms Branch, Enlisted Training Directorate, Deputy Chief of Staff for Training, Headquarters, US Army Training and Doctrine Command. Personal Interview. Fort Monroe, VA: 10 December 1985 and 4 April 1986.
17. Department of Command, Leadership, and Management. Force Integration. Special Text. Carlisle Barracks, PA: US Army War College, 1985.
18. Dove, Diane M. "USAR Training Units: Peacetime Changes, Peacetime Concerns," Army Reserve Magazine, Vol. XXXII, No. 2 (Spring 1986). Pp. 18-21.
19. Drake, Mike, Project Manager, ASM Associates. Personal Interview. Fort Monroe, VA: 9 December 1985.
20. Dunnette, Marvin D., ed. Handbook of Industrial and Organizational Psychology. Chicago, IL: Rand McNally College Publishing Co., 1976. Chapter 2: "A General Systems Approach to Organizations."
21. 87th Maneuver Area Command and 100th Division Maneuver Training Command. GOLD CENTURION I, Mobilization Exercise (MOBEX) for the 100th Division (Training)(Armor)(OSUT). Personal Observation. Bowman Field, Louisville, KY and Fort Knox, KY: 4-5 January and 20-21 March 1986.
22. Fichtelman, Michael. "The Expert Mechanic," BYTE, Vol. 10, No. 6 (June 1985). Pp. 205-216.
23. Foster, Gerald, LTC, Chief, Installation Division, Deputy Chief of Staff for Engineering, Headquarters, US Army Training and Doctrine Command. Personal Interview. Fort Monroe, VA: 10 December 1985.
24. Foster, Rick, CPT, USAR, Operations and Training Officer, G-3 Mobilization Team, 100th Division (Training)(Armor)(OSUT). Personal Interview. Bowman Field, Louisville, KY: 4 January 1986.

25. Foster, Rick, Mobilization Planning Specialist, Plans, Operations, and Mobilization Branch, Directorate of Plans and Training, Headquarters, US Army Armor Center and Fort Knox. Personal Interview. Fort Knox, KY: 21 March 1986.
26. Garcia, Alberto A., CPT, Plans Officer, Plans Branch, Information Systems Directorate, Deputy Chief of Staff for Information Management, Headquarters, US Army Training and Doctrine Command. Personal Interview. Fort Monroe, VA: 4 April 1986.
25. Gellerman, Saul W. The Management of Human Resources. Hinsdale, IL: The Dryden Press, 1976.
28. Gooch, David, SFC, Operations NCO, Scheduling Branch, Training Division, Directorate of Plans and Training, Headquarters, US Army Armor Center and Fort Knox. Personal Interview. Fort Knox, KY: 20 March 1986.
29. Gray, Roy C., Jr., MG, USAR, Commander, 100th Division (Training) (Armor)(OSUT). Personal Interview. Bowman Field, Louisville, KY: 4 January 1986.
30. Gray, Roy C., Jr., MG, USAR, Commander, 100th Division (Training) (Armor)(OSUT). Personal Interview. Fort Knox, KY: 20 March 1986.
31. Greyard, Thomas E., III, LTC, USAR, Executive Officer, 4th Training Brigade, 80th Division (Training) and Training Specialist, Reserve Components Training Division, Plans, Operations, and Mobilization Directorate, Deputy Chief of Staff for Training, Headquarters, US Army Training and Doctrine Command. Personal Interview. Fort Monroe, VA: 11 December 1985.
32. Hackman, J. Richard; Lawler, Edward G. III; and Porter, Lyman W., eds. Perspectives on Behaviors in Organizations. 2d ed. New York, NY: McGraw-Hill Book Co., 1983. "A General Diagnostic Model for Organizational Behavior: Applying a Congruence Perspective" by David A. Nadler and Michael L. Tushman.
33. Hardy, Leonard D., LTC. PERT - What Possible Value for Mobilization. Essay. Carlisle Barracks, PA: US Army War College, April 1982.
34. Harris, Denny O., COL, USAR, Assistant Division Commander 2, 100th Division (Training)(Armor)(OSUT). Personal Interview. Washington, DC: 26 January 1986.
35. Hedgepeth, Grady, R., Communications Specialist, Plans Branch, Information Systems Directorate, Deputy Chief of Staff for Information Management, Headquarters, US Army Training and Doctrine Command. Personal Interview. Fort Monroe, VA: 10 December 1985.

36. Henderson, John, T. Mobilization Plans Specialist, Mobilization Division, Plans, Operations, and Mobilization Directorate, Headquarters, US Army Training and Doctrine Command. Personal Interview. Fort Monroe, VA: 9 December 1985 and 4 April 1986.
37. Hensler, Barbara A. A Guide to Research in Mobilization. Washington, DC: National Defense University Press, 1984.
38. Hill, Jim Das. The Minuteman in Peace and War. Harrisburg, PA: The Stackpole Company, 1964.
39. Holt, Pat M. The War Powers Resolution. Washington, DC: American Enterprise Institute for Public Research, 1978.
40. Jackson, Merwyn L., BG, USAR, Assistant Division Commander 1, 100th Division (Training)(Armor)(OSUT). Personal Interview. Bowman Field, Louisville, KY: 4 January 1986.
41. Jackson, Merwyn L., BG, USAR, Assistant Division Commander 1, 100th Division (Training)(Armor)(OSUT). Personal Interview. Fort Knox, KY: 21 March 1986.
42. Katz, Daniel, and Kahn, Robert L. The Social Psychology of Organizations. 2d ed. New York, NY: John Wiley & Sons, Inc., 1978.
43. Kendall, John M. The Inflexible Response. Duke University: Duke University Press, 1979.
44. Kennedy, Timothy L., 1LT, Plans Officer, Plans Branch, Information Systems Directorate, Deputy Chief of Staff for Information Management, Headquarters, US Army Training and Doctrine Command. Personal Interview. Fort Monroe, VA: 4 April 1986.
45. Kinnard, Douglas. The War Managers. Hanover: University Press of New England, 1977.
46. Konopasek, Milos and Sundaresan, Jayaraman. "Expert Systems for Personal Computers," BYTE, Vol. 9, No. 5 (May 1984). Pp. 137-156.
47. Langendorff, Herbert E., Jr., COL. Mobilization Processing of Untrained Manpower. Study Project. Carlisle Barracks, PA: US Army War College, June 1982.
48. Lee, Gus C. Mobilization Planning - The Disposition of Military Manpower Under Emergency Mobilization Procedures. Alexandria, VA: Human Resources Research Organization, September 1979.
49. Lenat, Douglas B. The Nature of Heuristics. Prepared for Mathematical and Information Services Division, Office of Naval Research. Stanford, CA: Stanford University Press, June 1981.

50. Long, Gary D., LTC, TXARNG, Chief, Mobilization Division, Plans, Operations, and Mobilization Directorate, Deputy Chief of Staff for Training, Headquarters, US Army Training and Doctrine Command. Personal Interview. Fort Monroe, VA: 9 December 1985.
51. Lunday, Donald E., COL. Mobilization/Deployment Planning and Execution. Exercise Guide. Carlisle Barracks, PA: US Army War College, October 1985.
52. Magruder, Warren, A.E., MG, USAR, Assistant Deputy Chief of Staff for Mobilization and Training (IMA), Deputy Chief of Staff for Logistics, Headquarters, Department of the Army. Personal Interview. Carlisle Barracks, PA: 4 March 1986.
53. Merritt, Hardy L. and Carter, Luther F. Mobilization and the National Defense. Washington, DC: National Defense University Press, 1985.
54. Meyers, Frank W., LTC, USAR, Chief, Training Division Branch, Reserve Component Training Division, Plans, Operations, and Mobilization Directorate, Deputy Chief of Staff for Training, Headquarters, US Army Training and Doctrine Command. Personal Interview. Fort Monroe, VA: 4 April 1986.
55. Michaelsen, Robert H.; Michie, Donald; and Boulanger, Albert. "The Technology of Expert Systems," BYTE, Vol. 10, No. 4 (April 1985). Pp. 303-312.
56. Miles, Robert H. Macro Organizational Behavior. Santa Monica, CA: Goodyear Publishing Co., Inc., 1980. Chapter 7, "Causal Texture of Organizational Environments."
57. Miller, Howard D., COL. Increased Role of the State Area Commands in Mobilization and Deployment. Study Project. Carlisle Barracks, PA: US Army War College, May 1985.
58. Milwee, R. F., Jr., LTC. Peacetime Organization for Mobilization. Study Project. Carlisle Barracks, PA: US Army War College, 1982.
59. "Mobilization: The Types, The Phases," Army Reserve Magazine, Vol. XXXII, No. 1 (Winter 1986). Pp. 10-11.
60. Montgomery, James R. "Cornerstone '84 - Foundation for Support," Army Logistician, March-April 1985. Pp. 24-27.
61. Moore, Warren, Chief, Scheduling Branch, Training Division, Directorate of Plans and Training, Headquarters, US Army Armor Center and Fort Knox. Personal Interview. Fort Knox, KY: 20 March 1986.

62. Mussulman, James E., MAJ, USAR, Chief, Mobilization Branch, Reserve Affairs and Mobilization Division, Deputy Chief of Staff for Personnel, Administration, and Logistics, Headquarters, US Army Training and Doctrine Command. Personal Interview. Fort Monroe, VA: 10 December 1985 and 4 April 1986.
63. New Webster's Dictionary of the English Language. New York, NY: Delair Publishing Co., Inc., 1981. P. 997.
64. Nitzel, Jeff, SFC, Scheduling NCO for 4th Brigade (BT), Scheduling Branch, Training Division, Directorate of Plans and Training, Headquarters, US Army Armor Center and Fort Knox. Personal Interview. Fort Knox, KY: 3 January 1986.
65. O'Rourke, Peter W., MAJ, USAR, Mobilization Plans Officer, Mobilization Division, Plans, Operations, and Mobilization Directorate, Deputy Chief of Staff for Training, Headquarters, US Army Training and Doctrine Command. Personal Interview. Fort Monroe, VA: 11 December 1985 and 4 April 1986.
66. Pate, Robert I., LTC. US Army Reserve Components - Peacetime Assessment and Management to Meet Mobilization Requirements. Research Project. Carlisle Barracks, PA: US Army War College, May 1975.
67. Patsfield, Richard E., MSG, NCOIC, Scheduling Branch, Training Division, Directorate of Plans and Training, Headquarters, US Army Armor Center and Fort Knox. Personal Interviews. Fort Knox, KY: 3 January and 10 March 1986.
68. Pistorius, Joseph H., COL, and Stuckey, John D., COL. Mobilization of the Army National Guard and Army Reserve: Historical Perspective and the Vietnam War. Report. Carlisle Barracks, PA: US Army War College, November 1984.
69. Prather, Thomas L., Jr., LTC. Industrial Mobilization - The Ability to Respond. Essay. Carlisle Barracks, PA: US Army War College, May 1982.
70. Pusey, Merlo J. The Way We Get to War. Boston, MA: Mifflin & Company, 1969.
71. Rychener, Michael D. Knowledge-Based Expert Systems: A Brief Bibliography. Pittsburgh, PA: Carnegie-Mellon University Press, June 1981.
72. Schultz, Gary E., COL. The Use of Automated Data Processing for the Enhancement of Mobilization of the Reserve Components. Essay. Carlisle Barracks, PA: US Army War College, December 1979.

73. Shamblen, James F., MAJ, USAR, Emergency Management Officer (Individual Mobilization Augmentee), Huntington Engineer District, and Mobilization Planning Officer, Installation Division, Deputy Chief of Staff for Engineering, Headquarters, US Army Training and Doctrine Command. Personal Interview. Fort Monroe, VA: 4 April 1986.
74. Sharp, Benjamin F., Jr., and Skipper, Donald B. "The Reserve Component Dilemma: Mission Versus Time," Military Review, November 1984. Pp. 62-79.
75. Shires, James C., COL. Mobilization of a US Army Reserve Training Division: Historical Perspective. Study Project. Carlisle Barracks, PA: US Army War College, June 1985.
76. Skinner, Donald L., Mobilization Plans Officer, Recruit Activities Branch, Training Accessions Management Directorate, Deputy Chief of Staff for Training, Headquarters, US Army Training and Doctrine Command. Personal Interview. Fort Monroe, VA: 9 December 1985 and 4 April 1986.
77. Spear, Walter L., COL. An Appraisal of the Effectiveness of the Mobilization Designation Program to Meet its Mobilization Objectives. Essay. Carlisle Barracks, PA: US Army War College, December 1975.
78. Stein, Kenneth J. "Expert Systems Research Focuses on Combat Emergency Procedures," Aviation Week & Space Technology, Vol. 123, No. 17 (October 28, 1985). Pp. 89-93.
79. Stevens, Robert J., Operations Research Analyst, US Army War College. Personal Interviews. Carlisle Barracks, PA: 12 and 18 September and 31 October 1985, and 4 and 7 March 1986.
80. Stidham, D. R., SSG, Scheduling NCO for 1st Brigade (Armor)(OSUT), Scheduling Branch, Training Division, Directorate of Plans and Training, Headquarters, US Army Armor Center and Fort Knox. Personal Interview. Fort Knox, KY: 2 January 1986.
81. SYSCON Corporation: User's Manual: Automated Instructional Management System (AIMS). December 1983.
82. Tech, Larry L., COL; Humberson, Sidney A., LTC; and Wilhelm, David P., LTC. Mobilization of the National Guard and Reserves. Study Project. Carlisle Barracks, PA: US Army War College, June 1984.
83. Thompson, James D. Organizations in Action. New York, NY: McGraw-Hill Book Co., 1967.
84. US Army Armor Center and Fort Knox. Regulation 385-22: Range Regulation (Training/Impact Areas), May 1985.

85. US Army Armor Center and Fort Knox. Program of Instruction for Cavalry Scout Advanced Individual Training (MOB)(CSAIT-19D10D3), (CFV), Draft, Fort Knox, KY.
86. US Army Armor Center and Fort Knox. Program of Instruction for Cavalry Scout Advanced Individual Training (MOB)(19D-AIT), (M113/ITV), Draft, Fort Knox, KY.
87. US Army Armor Center and Fort Knox. Program of Instruction for Advanced Individual Training Armor - M1 (AITA-M1), (MOS 19K), Draft, Fort Knox, KY.
88. US Army Armor Center and Fort Knox. Program of Instruction for Advanced Individual Training Armor, M60A1 (AITA-M60A1), (MOS 19E10), Draft, Fort Knox, KY.
89. US Army Armor Center and Fort Knox. Program of Instruction for Advanced Individual Training Armor, M60A3 (AITA-M60A3), (MOS 19EB8), Draft, Fort Knox, KY.
90. US Army Combined Arms Center. Field Circular 25-100: Training the Force. Fort Leavenworth, KS: 1985.
91. US Army Forces Command. Mobilization and Deployment Planning System (FORMDEPS), Fort McPherson, GA.
92. US Army Forces Command. Total Mobilization Concept Study, Fort McPherson, GA.
93. US Army Infantry School and Center. Program of Instruction 7-11 B/C/H: Program of Instruction for One Station Unit Training (Infantry). Fort Benning, GA: July 1985.
94. US Army Infantry School and Center. Program of Instruction 21-114: Program of Instruction for US Army Basic Training. Fort Benning, GA: July 1985.
95. US Army Office of the Deputy Chief of Staff for Operations and Plans. Army Mobilization and Operations Planning System (U). (AMOPS). Vol. 1: System Description, Responsibilities, and Procedures (U). Washington, DC: March 1984; and Vol. 3: Army Mobilization and Deployment Planning Guidance (U). Washington, DC: October 1985.
96. US Army Training and Doctrine Command. Regulation 10-5: Organizations & Functions, Fort Monroe, VA: June 1985.
97. US Army Training and Doctrine Command. Regulation 350-6: Initial Entry Training (IET) Policies and Administration, Fort Monroe, VA: April 1984.

98. US Army Training and Doctrine Command. Regulation 351-1, Training Requirements Analysis System (TRAS). Fort Monroe, VA: January 1984.
99. US Army Training and Doctrine Command. Regulation 351-10, Guidelines for the Development of Enlisted Training. Fort Monroe, VA: November 1985.
100. US Army Training and Doctrine Command. Circular 350-85-2, Initial Entry Training Retraining Policy. Fort Monroe, VA: May 1985.
101. US Army Training and Doctrine Command. Circular 351-84-1, Individual and Collective Training and Development Glossary. Fort Monroe, VA: February 1984.
102. US Army Training and Doctrine Command. Pamphlet 340-2, Addressee List. Fort Monroe, VA: April 1984.
103. US Army Training and Doctrine Command. Pamphlet 600-4, Basic Training. Fort Monroe, VA: June 1985.
104. US Army Training and Doctrine Command. Mobilization and Operations Planning System, Vol. III, Training Base Expansion Plan (U). Fort Monroe, VA: July 1983.
105. US Army Training and Doctrine Command. User's Manual: Army Training Requirements and Resources System (Working Draft), Vol. IX, ATRRS Resource Scheduling Module. Fort Monroe, VA: August 1985.
106. US Department of Defense: Assistant Secretary, Manpower, Reserve Affairs, and Logistics. Department of Defense Mobilization Plan (MMP)(Draft). Washington, DC: January 1985. Pp. 1-36.
107. US Department of the Army. Army Regulation 11-22: Mutual Support and Equipment Sharing Program. Washington, DC: August 1982.
108. US Department of the Army. Army Regulation 11-30: CAPSTONE Program. Washington, DC: September 1985.
109. US Department of the Army. Army Regulation 108-2: Army Training and Audiovisual Support. Washington, DC: July 1976.
110. US Department of the Army. Army Regulation 350-1: Army Training. Washington, DC: August 1981.
111. US Department of the Army. Army Regulation 350-9: Reserve Component Overseas Deployment Training with Active Components Commands. Washington, DC: September 1983.

112. US Department of the Army. Army Regulation 350-37: Army Individual Training Evaluation Program. Washington, DC: January 1986.
113. US Department of the Army. Army Regulation 351-1: Individual Military Education and Training. Washington, DC: February 1984.
114. US Department of the Army. Army Regulation 500-5: The Army Mobilization and Operations Planning System (AMOPS). Washington, DC: August 1981.
115. US Department of the Army. Army Regulation 611-201: Enlisted Career Management Fields and Military Occupational Specialities. Washington, DC: October 1985.
116. US Department of the Army. Field Manual 12-16: Replacement Operations. Washington, DC: July 1984.
117. US Department of the Army. Field Manual 25-1: Training. Washington, DC: February 1985.
118. US Department of the Army. Field Manual 25-2: Unit Training Management. Washington, DC: January 1985.
119. US Department of the Army. Field Manual 25-3: Training in Units. Washington, DC: December 1984.
120. US Department of the Army. Field Manual 25-4: How to Conduct Training Exercises. Washington, DC: September 1984.
121. US Department of the Army. Field Manual 25-5: Training For Mobilization and War. Washington, DC: January 1985.
122. US Department of the Army. Pamphlet 20-212: History of Military Mobilization in the United States Army, 1775-1945. Washington, DC: November 1955.
123. US Department of the Army. Pamphlet 140-7: The Role of the Reserve in the Total Army. Washington, DC: August 1977.
124. US Department of the Army. Pamphlet 140-14: Twice the Citizen: A History of the United States Army Reserve, 1908-1983. Washington, DC: September 1983.
125. US Department of the Army. Pamphlet 360-525: Family Assistance Handbook for Mobilization. Washington, DC: January 1984.
126. US Department of the Army. Pamphlet 570-555: Staffing Guide for United States Army Training Centers. Washington, DC: June 1972.

127. US Department of the Army. Training Circular 25-1: Training Lands. Washington, DC: August 1978.
128. US Department of the Army. Training Circular 25-2: Training Ranges. Washington, DC: March 1980.
129. US Department of the Army. Training Circular 25-3: Training Ammunition. Washington, DC: August 1981.
130. US General Accounting Office. Army's Ability to Expand Training Base Upon Mobilization Remains Limited. Washington, DC: February 1983.
131. US National Defense University. Mobilization: A Bibliography. Washington, DC: National Defense University Press. February 1981.
132. Walden, Donald L., Computer Specialist, Project Management Branch, Information Systems Directorate, Deputy Chief of Staff for Information Management, Headquarters, US Army Training and Doctrine Command. Personal Interview: Fort Monroe, VA: 10 December 1985.
133. Weinberger, Caspar W. "Defense Policies and Programs," Defense 85. Washington, DC: April 1985.
134. "What Mobilization Would Mean to You," Army Reserve Magazine, Vol. XXXII, No. 1 (Winter 1986). Pp. 12-13.
135. Winston, Patrick H., and Prendergast, Karen A. The AI Business: The Commercial Use of Artificial Intelligence. Cambridge, MA: The Massachusetts Institute of Technology Press, 1984. Pp. 17-100.

APPENDICES

APPENDIX A

ARMY TRAINING DIVISIONS AND BRIGADES^{1,102,104}

<u>Command</u>	<u>Branch</u>	<u>Mobilization Station</u>
70th Division (Training) 34451 Schoolcraft Road Livonia, MI 48150-1399	INFANTRY	Fort Benning, GA
76th Division (Training) 700 South Quaker Lane West Hartford, CT 06110-1292	INFANTRY	Fort Campbell, KY
78th Division (Training) Kilmer USAR Center Edison, NJ 08817-2487	INFANTRY	Fort Dix, NJ
80th Division (Training) 6700 Strathmore Road Richmond, VA 23237-1198	INFANTRY	Fort Bragg, NC
84th Division (Training) (-) 4828 West Silver Spring Drive Milwaukee, WI 53218-3498	ARMOR	Fort Hood, TX
85th Division (Training) 1515 West Central Road Arlington Heights, IL 60005-2475	ARMOR	Fort Bliss, TX
91st Division (Training) Building 602 Fort Baker Sausalito, CA 94965-5099	INFANTRY	Fort Ord, CA
95th Division (Training) Post Office Box 10095 Midwest City, OK 73110-1095	ARTILLERY	Fort Polk, OK
98th Division (Training) 2035 North Goodman Street Rochester, NY 14609-1098	ENGINEER	Fort Wood, MO

<u>Command</u>	<u>Branch</u>	<u>Mobilization Station</u>
100th Division (Training) 3590 Century Division Way Louisville, KY 40205-5000	ARMOR	Fort Knox, KY
104th Division (Training) Building 987 Vancouver Barracks Vancouver, WA 98661-3896	INFANTRY	Fort Lewis, WA
108th Division (Training) 1412 Westover Street Charlotte, NC 28205-5124	INFANTRY	Fort Jackson, MS
3d Training Brigade (FA) 84th Division (Training) 4828 West Silver Spring Drive Milwaukee, WI 53218-3498	ARTILLERY	Fort Sill, OK
5th Armor Brigade (AIT) 2000 North 33rd Street Lincoln, NE 68593	ARMOR	Fort Hood, TX
3457th Medical Training Center 1850 Old Spanish Trail Houston, TX 77054	MEDICAL	Fort Houston, TX
8830th USAR Brigade (MP, AIT) 20th and Chislom Fort Meade, MD 20755	MILITARY POLICE	Fort McClellan, AL

APPENDIX B

BASIC TRAINING ARMY TRAINING CENTERS¹⁰⁴

Fort Bliss, Texas

Fort Dix, New Jersey

Fort Jackson, South Carolina

Fort Knox, Kentucky

Fort McClellan, Alabama

Fort Sill, Oklahoma

Fort Wood, Missouri

APPENDIX C

BASIC TRAINING COURSES⁹⁴

COURSE: US Army Basic Training

LENGTH: Peacetime: 8 Weeks, 425.0 Hours
Mobilization: 7 Weeks, 391.5 Hours

<u>SUBJECT</u>	<u>PROGRAM HOURS</u>	<u>MOBILIZATION HOURS</u>	<u>TRAINING CONDUCTED BY</u>
A. <u>Fundamental Training</u>			
First Aid	13	13	Training Gp
Nuclear, Biological, & Chemical Defense	11	14	Training Gp
Individual Tactical Training	30	33	Training Gp
Marches & Bivouac	12	25	Training Co
Physical Readiness Training	45	38	Training Co
Guard Duty	3	3	Training Co
Role of the Army	1	1	Training Co
Responsibilities of the Soldier	2	2	Training Co
Identification, Preparation & Wear of Uniforms	2	2	Training Co
Inspections	19	19	Training Co
Drill & Ceremonies	16	16	Training Co
Military Courtesies & Customs	4	4	Training Co
Basic Military Communications	6	8	Training Gp
Military Justice	1	3	Training Co
Map Reading/Terrain Association	8	8	Training Gp
Code of Conduct	1	1	Training Co
Threat Orientation (OPFOR)	2	2	Training Gp
Law of Land Warfare/SAEDA Orientation	2	2	Training Co
Conditioning Obstacle Course	2	4	Training Co
Confidence Obstacle Course	3	4	Training Co
Survival, Escape, Resistance & Evasion	0	12	Training Co
Personal Affairs	2	3	Training Co
Alcohol & Drug Abuse Prevention & Control	1	0	Training Co
Rape Prevention	0.5	0	Training Co
Equal Opportunity	2	0	Training Co
Personal Health & Hygiene	0	7	Training Co
 Fundamental Training Totals	 (188.5)	 (224)	

<u>SUBJECT</u>	<u>PROGRAM HOURS</u>	<u>MOBILIZATION HOURS</u>	<u>TRAINING CONDUCTED BY</u>
B. <u>Weapons Training</u>			
M16A1 Rifle Marksmanship	62	70	Training Gp
Hand Grenades	8	8	Training Gp
US Weapons Training	<u>10</u>	<u>13</u>	Training Gp
Weapons Training Totals	(80)	(91)	
C. <u>SOLDIER EXAMINATION</u>			
End-of-Cycle Test	0	8	Text & Exam
Reinforcement Training	<u>41</u>	<u>16</u>	Text & Exam
Soldier Examination Totals	(49)	(24)	
D. <u>Program Administration/Support Time</u>			
Training Center Commander's Time	4	6	Training Co
Company Commander's Time	8	8	Training Co
Uniform Fitting	6	0	Training Co
Commander's Orientation	1	2	Training Co
Climate Orientation	1	1	Training Co
Immunization	2	2	Training Co
Chaplain's Orientation	1	1	Training Co
Equipment Turn-in	2	2	Training Co
Guard Duty/Detail Unit	16	8	Training Co
Payday Activities	8	0	Training Co
Outprocessing	2	2	Training Co
Graduation Activities	<u>4</u>	<u>0</u>	Training Co
Administrative Support Totals	(55)	(32)	
E. <u>NATIONAL HOLIDAY</u>	8	0	Training Co
F. <u>MAINTENANCE</u>	28	0	Training Co
G. <u>MOVEMENT</u>	16.5	16.5	Training Co

Program Recapitulation

A. Fundamental Training	188.5	224
B. Weapons Training	80	91
C. Soldier Examination	49	24
D. Administration/Support Time	55	32
E. National Holiday	8	0
F. Maintenance	28	4
G. Movement	<u>16.5</u>	<u>16.5</u>
Grand Totals	<u>425</u>	<u>391.5</u>
	=====	=====

<u>SUBJECT</u>	<u>PROGRAM</u>	<u>MOBILIZATION</u>
<u>Total Weeks, Hours/Day</u>	<u>HOURS</u>	<u>HOURS</u>
Fundamental Training	4.3	5.3
Weapons Training	1.9	2.3
Administration/Support Time	1.2	0.8
End-of-Cycle Test	0.2	0.2
Reinforcement Training	0.9	0.4
Maintenance	0.6	0.1
Movement	0.4	0.4
National Holiday	0.2	0.0
Average Hours/Week*	53.1	55.9

*Although the BT/OSUT POI does not require training on Saturday afternoons and Sundays, such time may be used for reinforcement training, diagnostic physical training (PT) test, inspections, make-up training, and activities which further the development of the soldier. In all cases, trainees will be allowed to attend religious services 6 days per week during mobilization.⁹⁷

APPENDIX D

COMPONENTS OF THE ARMY¹²¹

Component 1. Active component units located in a theater of operations in the continental United States (CONUS) or outside the continental United States (OCONUS).

Component 2. Army National Guard (ARNG) units.

Component 3. United States Army Reserve (USAR) units.

Component 4. Unmanned and unequipped units for which a requirement is identified in the Total Army Analysis (TAA). Component 4 represents the portion of the approved current force structure requirement that is not affordable within the Army's peacetime budget.

Component 6. Units outside the Army's force structure that must be formed and trained upon total mobilization. The Department of the Army (DA) has established a force structure, by number and type of units, for total mobilization planning purposes.

APPENDIX E¹⁰⁴

MOBILIZATION ARMY PROGRAMS FOR INDIVIDUAL TRAINING

(MOB ARPRINT)

SAMPLE

RUN DATE: 24/09/84 MOBILIZATION APPRINT FOR FY 86/87 PAGE: 1

SCHOOL: 808 - USATC, FT. KNOX/100TH DIV CRS MBR: RECSTA PN: CRS TYPE: RECSTA LENGTH: 0 WEEKS 3.0 DAYS

INSTALLATION: TITLE: RECEPTION STATION WTR: 0 FREQ: 0 WTROR: 6600 EFFECTIVE DATE: 1 OCT 85

WOS: EHL SQT: EHL ASL: MBR: 0 FREQ: 0 WTROR: 6600 WEEK 26

WD WOS: OPT SQT: OPT ASI: OPT: 0 CMF: REONT TBRN OUTPUT DATE: WEEK 26

SSI: OPMS: LIC: WIR: 0 PROND TBRN OUTPUT DATE: 6

THE INPUT WINDOW FOR THIS COURSE IS FROM M+01 THRU M+06

WEEK	REONT	PROND	CAPAB	WEEK	REONT	PROND	CAPAB	WEEK	REONT	PROND	CAPAB	WEEK	REONT	PROND	CAPAB
M+01	1744	1122	1122	M+18	205	0	0	M+27	0	0	0	M+40	0	0	0
M+02	1540	1122	1122	M+19	172	0	0	M+28	0	0	0	M+41	0	0	0
M+03	677	1122	1122	M+20	26	0	0	M+29	0	0	0	M+42	0	0	0
M+04	811	1122	1122	M+21	0	0	0	M+30	0	0	0	M+43	0	0	0
M+05	750	1122	1122	M+22	0	0	0	M+31	0	0	0	M+44	0	0	0
M+06	724	1122	1122	M+23	0	0	0	M+32	0	0	0	M+45	0	0	0
M+07	841	0	0	M+24	0	0	0	M+33	0	0	0	M+46	0	0	0
M+08	698	0	0	M+25	0	0	0	M+34	0	0	0	M+47	0	0	0
M+09	678	0	0	M+26	0	0	0	M+35	0	0	0	M+48	0	0	0
M+10	632	0	0	M+27	0	0	0	M+36	0	0	0	M+49	0	0	0
M+11	586	0	0	M+28	0	0	0	M+37	0	0	0	M+50	0	0	0
M+12	545	0	0	M+29	0	0	0	M+38	0	0	0	M+51	0	0	0
M+13	433	0	0	M+30	0	0	0	M+39	0	0	0	M+52	0	0	0
QTR1	10879	6732	6732	QTR2	843	0	0	QTR3	0	0	0	QTR4	0	0	0

CUMULATIVE TOTALS															
QTR1	10879	6732	6732	QTR2	11322	6732	6732	QTR3	11322	6732	6732	QTR4	11322	6732	6732

REMARKS:

RUN DATE: 24/09/84
 SCHOOL: 808 - USATC, FT. EMM/100TH DIV
 INSTALLATION:
 MOB: 19E1
 NO WOS:
 SSI:
 EML SUI:
 OFF SUI:
 OPMS:
 EML ASI:
 OFF ASI:
 LIC:
 MAX: 0
 OPT: 0
 MIN: 0
 FREQ: 0
 CNF:
 MTBON:
 PEQMT TBOH OUTPUT DATE: WEEK 26
 PRGMD TBOH OUTPUT DATE: 26
 MOBILIZATION APPRINT FOR FY 86/87
 CRS MBR: 020-19E10-USMC
 TITLE: ARMOR CREWMAN-USMC
 PH: CRS TYPE: OSV-A1
 ATTR: 05.0 3
 LENGTH: 9 WEEKS 0.0 DAYS
 EFFECTIVE DATE: 1 OCT 85
 PAGE: 5

WEEK	REQMT	PRGMD	CAPAB	WEEK	REQMT	PRGMD	CAPAB	WEEK	REQMT	PRGMD	CAPAB
M+01	0	0	0	M+14	0	30	30	M+27	0	30	0
M+02	0	0	0	M+15	0	30	30	M+28	0	30	0
M+03	0	0	0	M+16	0	30	30	M+29	0	30	0
M+04	0	0	0	M+17	0	30	30	M+30	0	30	0
M+05	0	0	0	M+18	0	30	30	M+31	0	30	0
M+06	0	0	0	M+19	0	30	30	M+32	0	30	0
M+07	0	0	0	M+20	0	30	30	M+33	0	30	0
M+08	0	45	45	M+21	0	30	30	M+34	0	30	0
M+09	0	35	35	M+22	0	30	30	M+35	0	30	0
M+10	0	35	35	M+23	0	30	30	M+36	0	30	0
M+11	0	35	35	M+24	0	30	30	M+37	0	30	0
M+12	0	35	35	M+25	0	30	30	M+38	0	30	0
M+13	0	30	30	M+26	0	30	30	M+39	0	30	0
QTR1	0	215	215	QTR2	0	390	390	QTR3	0	390	0
QTR4	0	0	0	QTR5	0	390	0	QTR6	0	390	0

CUMULATIVE TOTALS

QTR1	0	215	215	QTR2	0	605	605	QTR3	0	995	605	QTR4	0	1385	605
------	---	-----	-----	------	---	-----	-----	------	---	-----	-----	------	---	------	-----

REMARKS:

RUN DATE: 25/09/85 MOBILIZATION APPRINT FOR FY 86/87 PAGE: 6

SCHOOL: 804 - USATC, FT. KNOX/100TH DIV CRS NBR: 020-19K10 PH: CRS TYPE: AIT LENGTH: 5 WEEKS 0.0 DAYS
 INSTALLATION: TITLE: M1 ABRAMS ARMOR CREWMAN ATTR: 05.0 1 EFFECTIVE DATE: 1 OCT 85

MOS: 19K1 EML SCL: EML ASI: MAX: 140 FREQ: 0 MTBOR: 1928
 WO MOS: OFF SCL: OFF ASI: OPT: 105 CMF: 0 REQMT TBOR OUTPUT DATE: WEEK 26
 SSI: OPMS: LIC: MIN: 105 PRGMD TBOR OUTPUT DATE: 26

THE INPUT WINDOW FOR THIS COURSE IS FROM M+08 THRU M+22

WEEK	REQMT	PRGMD	CAPAB	WEEK	REQMT	PRGMD	CAPAB	WEEK	REQMT	PRGMD	CAPAB
M+01	4	4	4	M+14	0	140	27	M+27	0	180	0
M+02	4	4	4	M+15	0	140	27	M+28	0	180	0
M+03	4	4	4	M+16	0	140	27	M+29	0	180	0
M+04	4	4	4	M+17	0	140	27	M+30	0	180	0
M+05	4	4	4	M+18	0	140	27	M+31	0	180	0
M+06	4	4	4	M+19	0	140	27	M+32	0	180	0
M+07	4	4	4	M+20	0	140	27	M+33	0	180	0
M+08	0	140	27	M+21	0	140	27	M+34	0	180	0
M+09	0	140	27	M+22	0	140	27	M+35	0	180	0
M+10	0	140	27	M+23	0	105	21	M+36	0	180	0
M+11	0	140	27	M+24	0	105	21	M+37	0	180	0
M+12	0	140	27	M+25	0	105	21	M+38	0	180	0
M+13	0	140	27	M+26	0	105	21	M+39	0	180	0
QTR1	28	868	190	QTR2	0	1850	327	QTR3	0	2340	0

CUMULATIVE TOTALS

QTR1	28	868	190	QTR2	28	2548	517	QTR3	28	4888	517
------	----	-----	-----	------	----	------	-----	------	----	------	-----

NO FIRST SEVEN WEEKS OF AIT REPRESENT AVERAGE INPUTS FROM PEACETIME PROGRAM. GRADUATES FROM THESE CLASSES OR ANY CLASS ALREADY IN SESSION PRIOR TO M+1 ARE NOT COUNTED AGAINST THE MOBILIZATION OUTPUT REQUIREMENT

REMARKS:
 INCLUDES 35 INCREASE PER WEEK FROM M+13 FOR OCS REQUIREMENT.

APPENDIX F

MOBILIZATION LEVELS^{59,121}

Selective Mobilization - The expansion of the active force which results when Congress and/or the President activates Reserve Component units and associated support in response to a domestic emergency which does not result from external threat.

Presidential Call-Up of 100,000 Selected Reservists - The augmentation of the active force which results when the President directs activation of units and up to 100,000 personnel of the selected reserve (all services) for 90 days to meet the requirements of an operational mission.

Partial Mobilization - The expansion of the active force resulting from a congressional or presidential directive to activate Reserve Component units and the Individual Ready Reserve (IRR). It involves up to one million personnel for periods up to 24 months to meet the limited requirements for war or other contingencies involving an external threat to national security.

Full Mobilization - The expansion of the active force resulting from a congressional and presidential directive to activate all Reserve Component units in the existing approved force structure. This includes unmanned and unequipped units (Component 4, as defined at Appendix D), IRRs, selective recall of military retirees, and associated support to meet the requirements for war or other contingencies involving an external threat to national security.

Total Mobilization - The expansion of the active force resulting from a congressional and presidential directive to increase personnel strengths and unit inventories beyond the existing force structure (Component 6, as defined at Appendix D). It also mobilizes all national resources to support the total requirements for war or other contingencies involving an external threat to national security.

APPENDIX G

MOBILIZATION PHASES^{59,91}

The US Army Forces Command Mobilization and Deployment Planning System
(FORMDEPS) outlines the five phases of mobilization as:

Phase I - Premobilization

Phase II - Alert

Phase III - Mobilization at Home Station

Phase IV - Movement to Mobilization Station

Phase V - Operational Readiness Improvement.

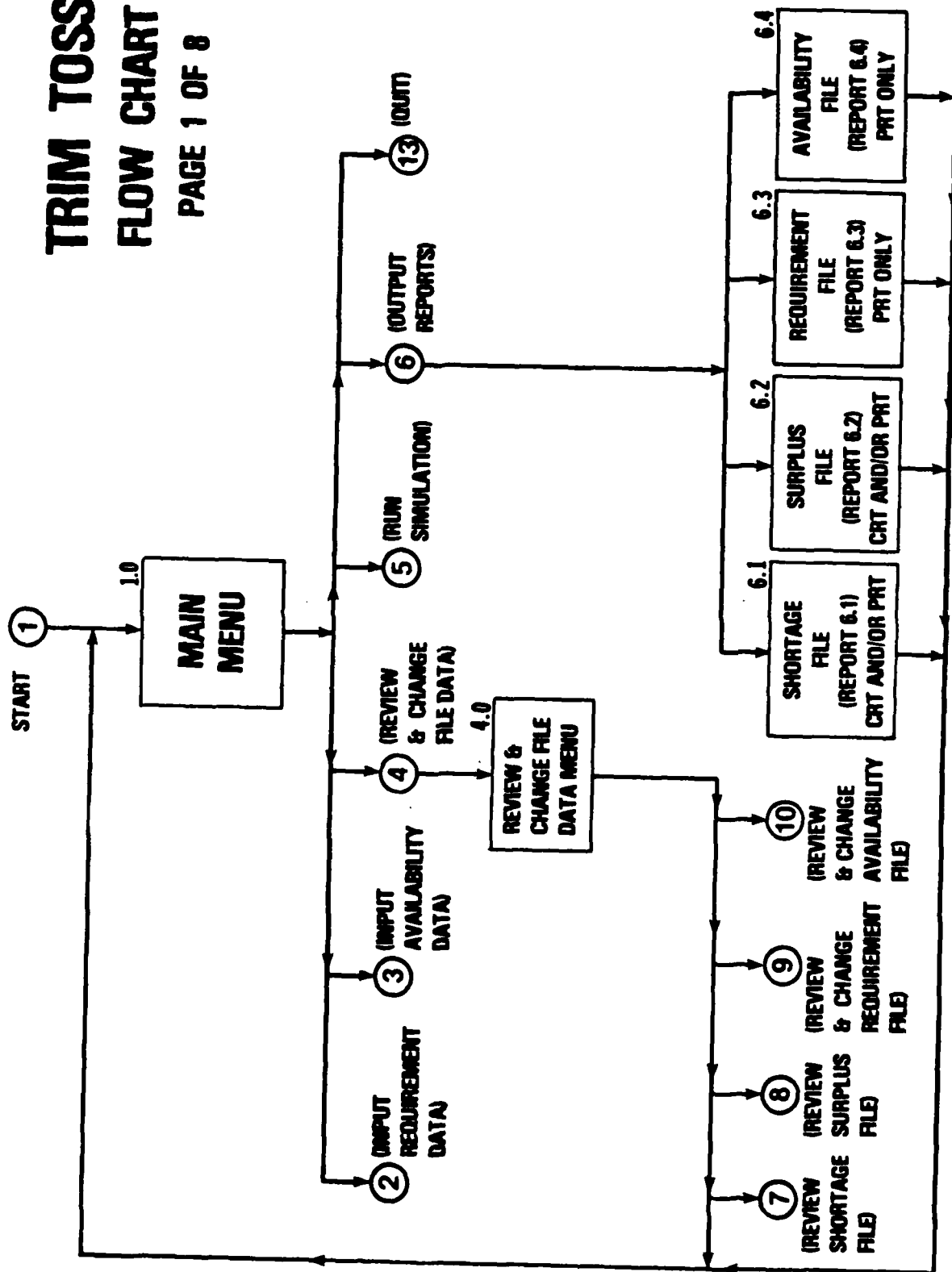
APPENDIX H

TRIM TOSS FLOWCHART

TRIM TOSS

FLOW CHART

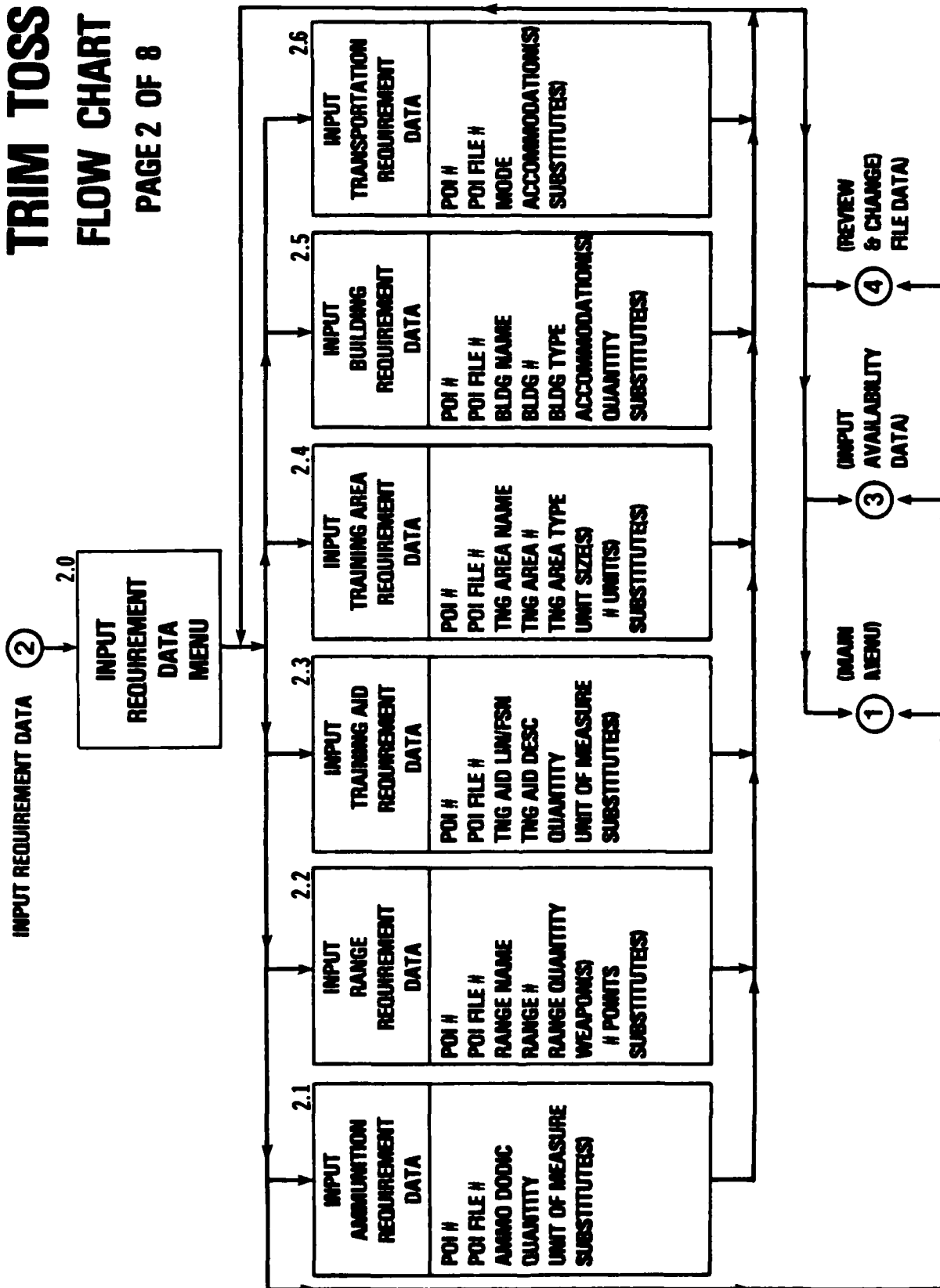
PAGE 1 OF 8



M.C.C.
1 APR 66

TRIM TOSS FLOW CHART

PAGE 2 OF 8

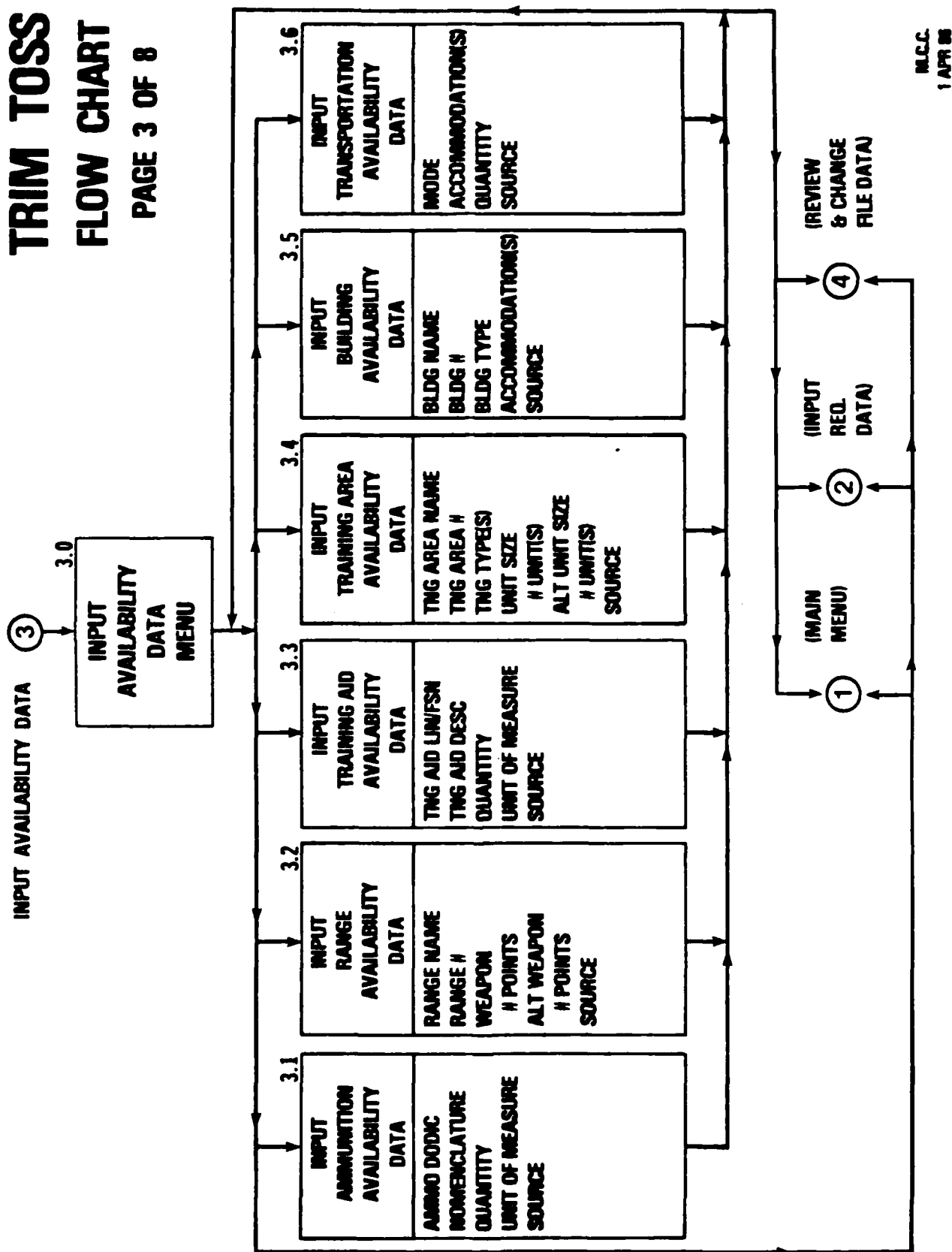


M.L.C.
1 APR 86

TRIM TOSS

FLOW CHART

PAGE 3 OF 8



TRIM TOSS FLOW CHART

PAGE 4 OF 8

RUN SIMULATION (5) →

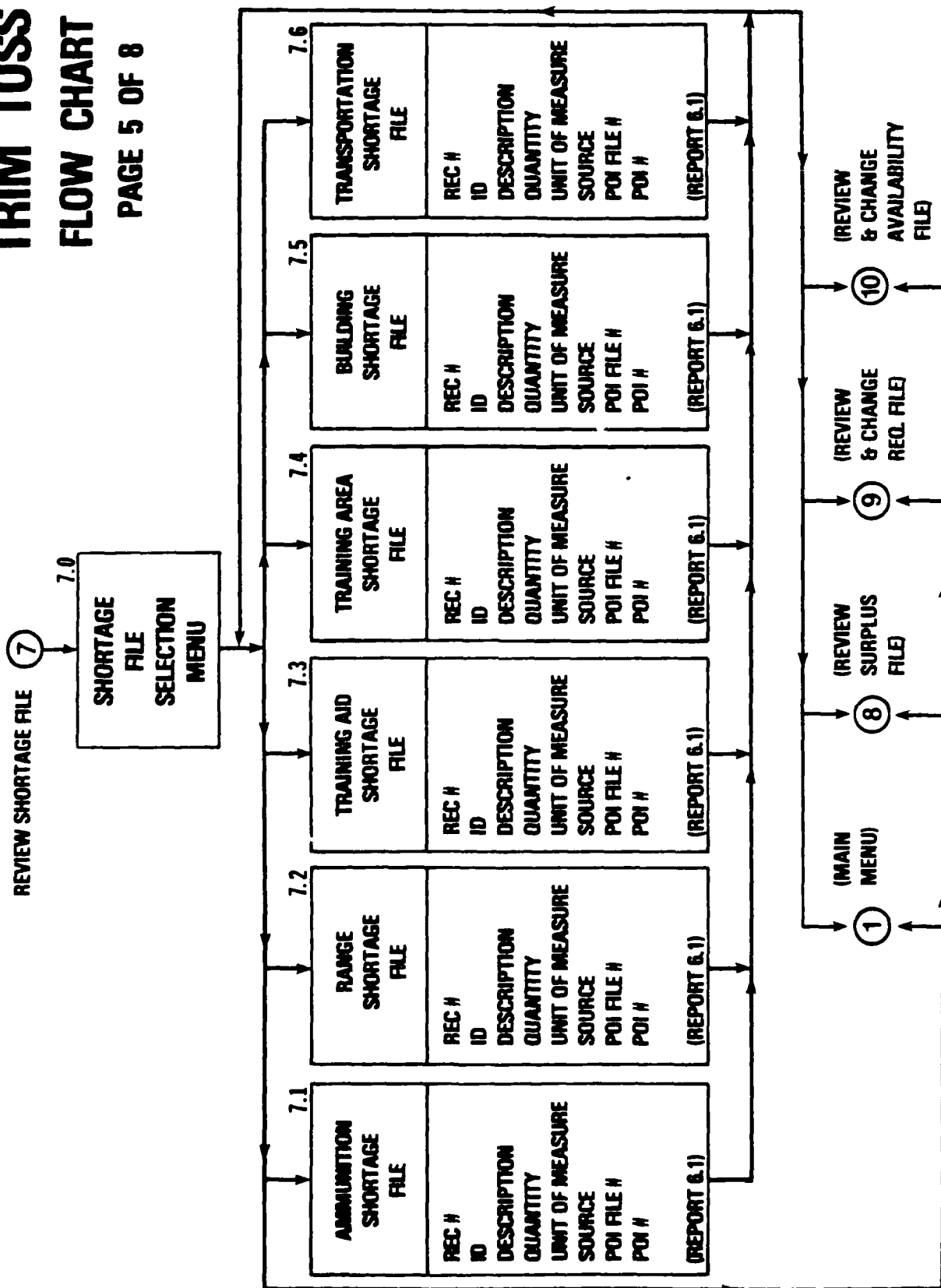
(TO BE DEVELOPED -- BY OTHERS)

M.C.C.
1 APR 88

TRIM TOSS

FLOW CHART

PAGE 5 OF 8

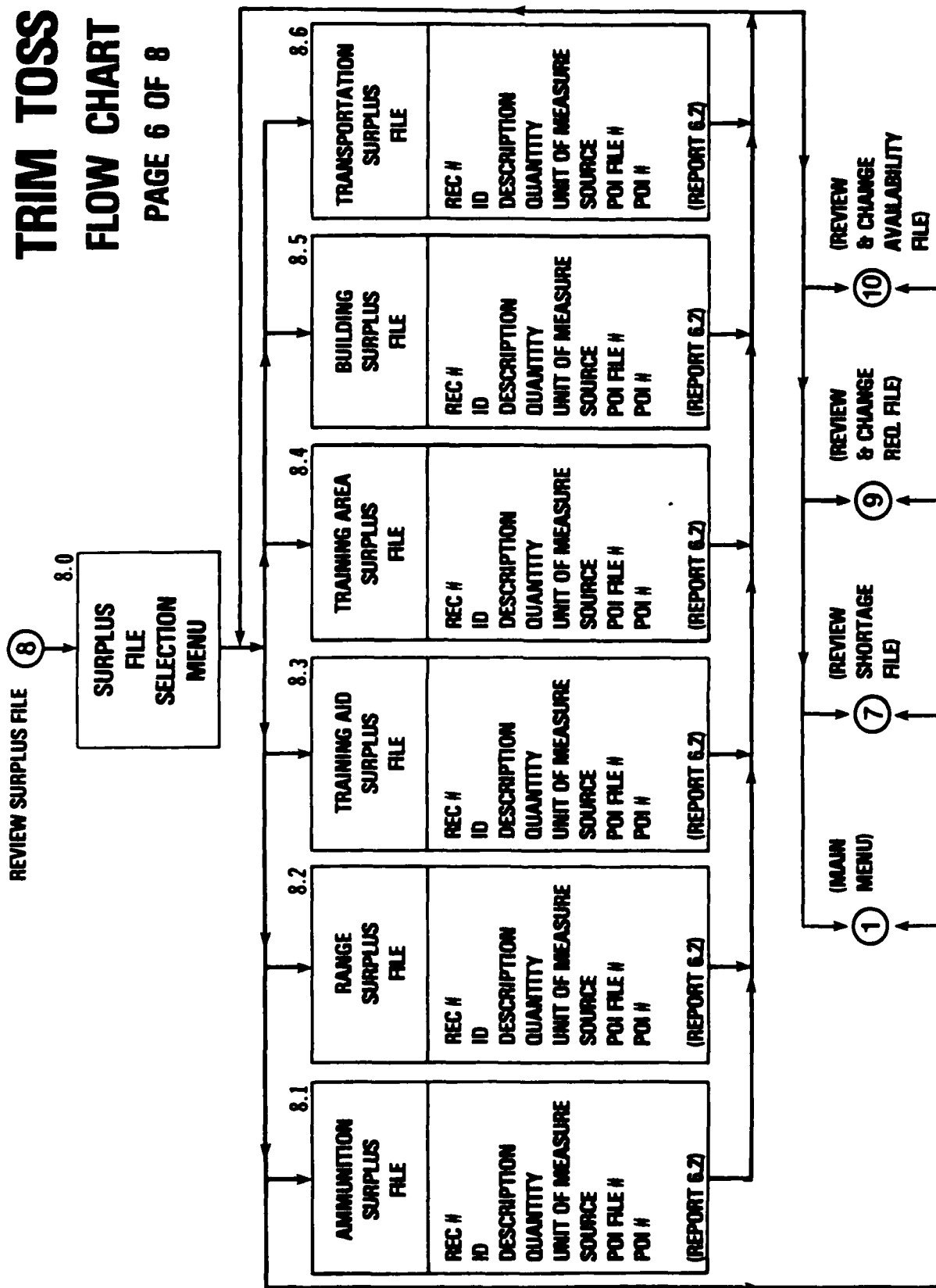


M.C.C.
1 APR 88

TRIM TOSS

FLOW CHART

PAGE 6 OF 8

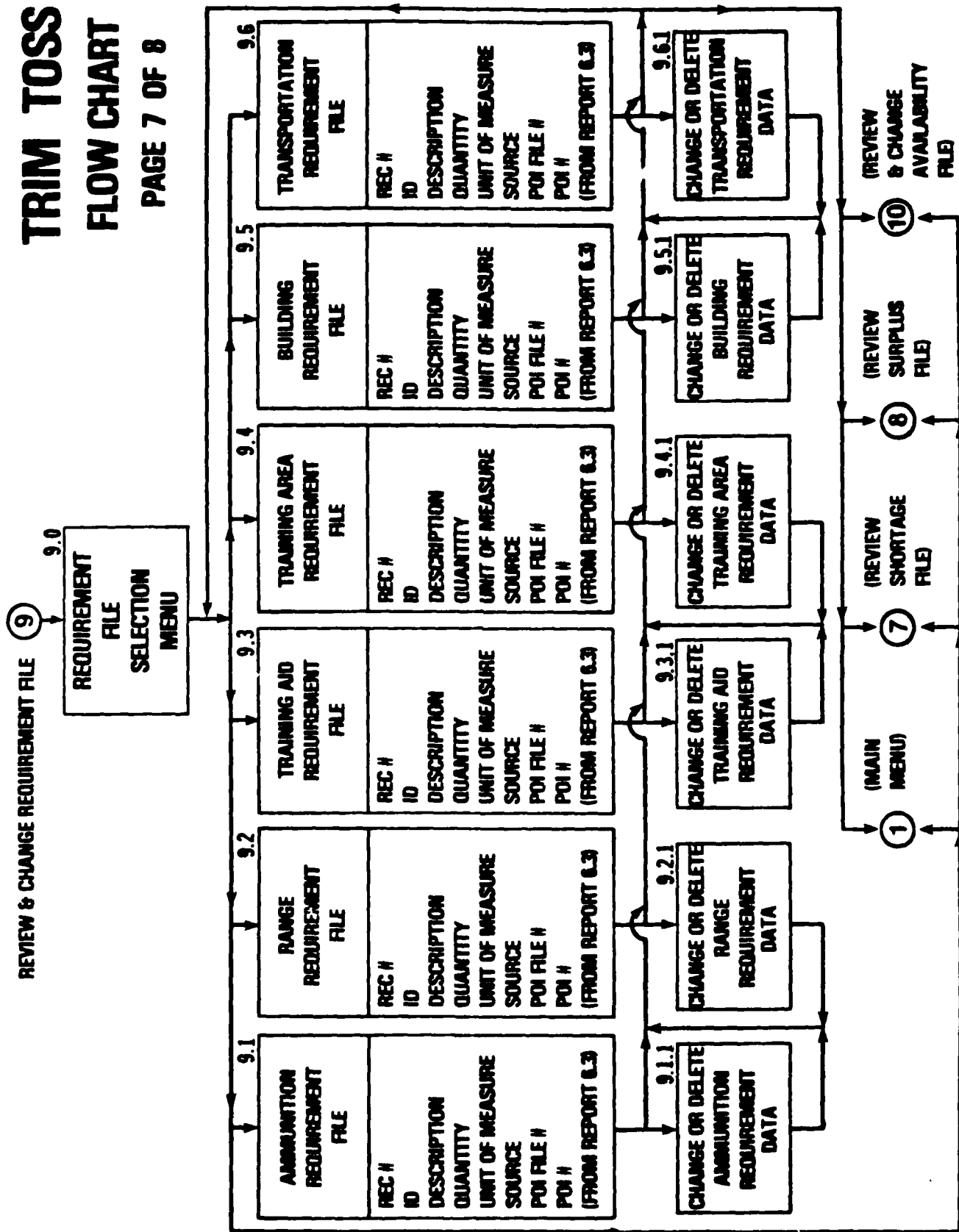


MLCC
1 APR 88

TRIM TOSS

FLOW CHART

PAGE 7 OF 8

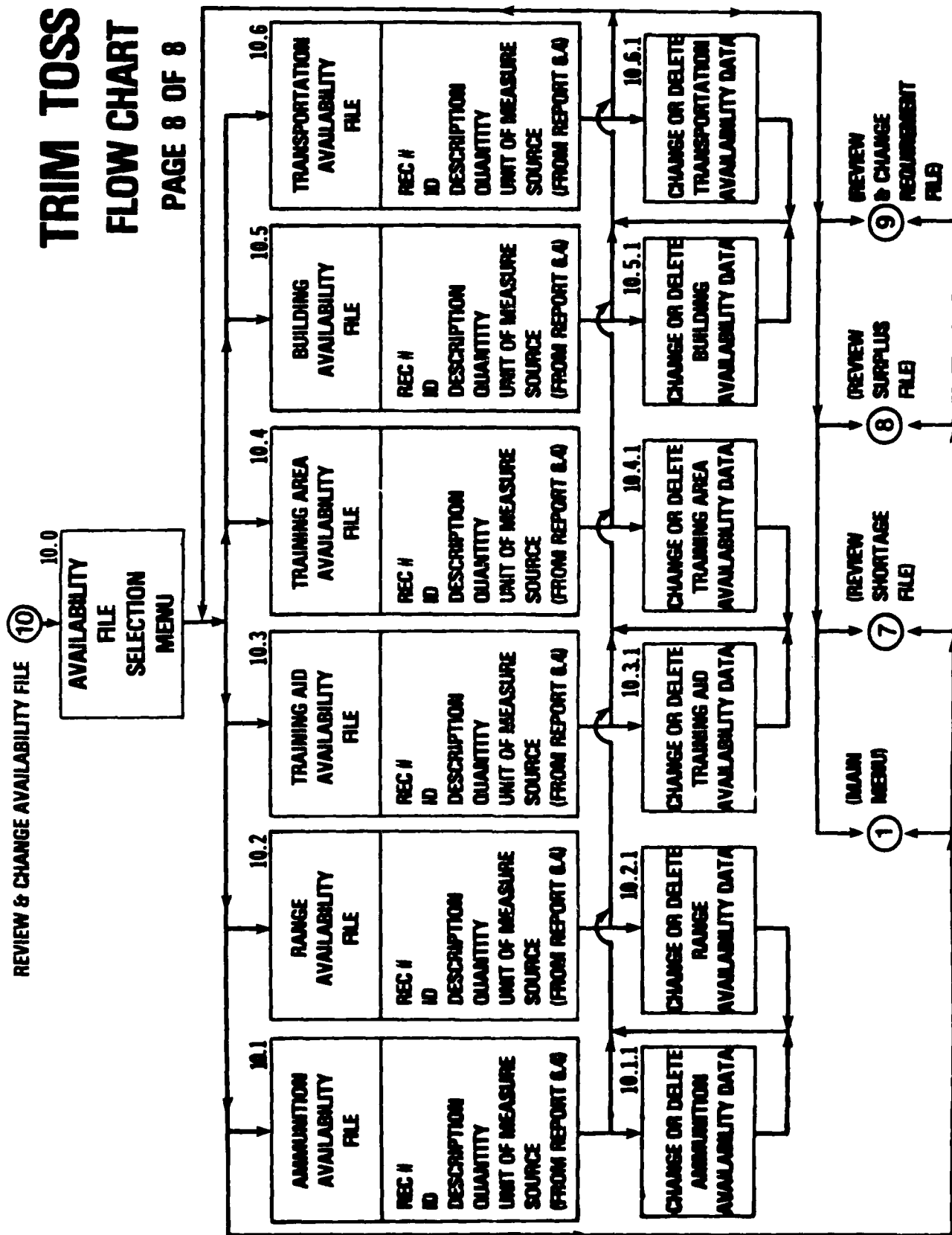


M.C.C.

TRIM TOSS

FLOW CHART

PAGE 8 OF 8



M.C.C.
1 APR 68

APPENDIX I

TRIM TOSS MASKS AND REPORTS

MASK 1.0

TRIM TOSS* MAIN MENU

<u>If You Wish:</u>	<u>Select</u>
To Input Requirement Data	1
To Input Availability Data	2
To Review & Change File Data	3
To Run Simulation, Enter ARPRINT Student Load	<u> </u> (N)

-AND-

Select Outputs & Modes - Enter all that apply:

Output SHORTAGE FILE Via CRT	4
Output SHORTAGE FILE Via Printer	5
Output SHORTAGE FILE & SURPLUS FILE Via CRT	6
Output SHORTAGE FILE & SURPLUS FILE Via Printer	7
Output SHORTAGE FILE, SURPLUS FILE, REQUIREMENT FILE, & AVAILABILITY FILE Via Printer	8
To Quit	0

*TRAINING DIVISION MOBILIZATION TRAINING OPERATIONS SIMULATION SYSTEM

MASK 2.0

INPUT REQUIREMENT DATA

If You Wish:

Select

To Input Ammunition Requirement Data	1
To Input Range Requirement Data	2
To Input Training Aid Requirement Data	3
To Input Training Area Requirement Data	4
To Input Building Requirement Data	5
To Input Transportation Requirement Data	6
To Input Availability Data	7
To Review & Change Data	8
To Return to MAIN MENU	0

MASK 2.1

INPUT AMMUNITION REQUIREMENT DATA

<u>Enter:</u>		<u>Data Field</u>	
		<u>Size</u>	<u>Type</u>
POI #	*	16	A/N
POI File #	*	16	A/N
DODIC	*	4	A/N
Quantity Required	*	8	N
Unit of Measure	*	2	A
Acceptable Substitute(s):			
DODIC		4	A/N
DODIC		4	A/N

Select Next Mask:

*

If You Wish:

Select

Same Mask & POI	1
Same Mask Only	2
Same POI, Input Range Requirement Data	3
Same POI, Input Training Aid Requirement Data Mask	4
Same POI, Input Training Area Requirement Data Mask	5
Same POI, Input Building Requirement Data Mask	6
Same POI, Input Transportation Requirement Data Mask	7
To Input AVAILABILITY DATA	8
To Return to MAIN MENU	0

* = Required Entry

MASK 2.2

INPUT RANGE REQUIREMENT DATA

<u>Enter:</u>		<u>Data Field</u>	<u>Size</u>	<u>Type</u>
POI #	*		16	A/N
POI File #	*		16	A/N
Range: Name			14	A/N
-OR- #	**		24	A/N
-OR- Quantity			8	N
Weapon(s)	*		24	A/N
# Points	*		4	N
Acceptable Substitute(s):				
Weapon &			16	A/N
# Points			4	N
Weapon &			16	A/N
# Points			4	N

Select Next Mask:

*

If You Wish:

Select

Same Mask & POI	1
Same Mask Only	2
Same POI, Input Ammunition Requirement Data Mask	3
Same POI, Input Training Aid Requirement Data Mask	4
Same POI, Input Training Area Requirement Data Mask	5
Same POI, Input Building Requirement Data Mask	6
Same POI, Input Transportation Requirement Data Mask	7
To Input AVAILABILITY DATA	8
To Return to MAIN MENU	0

* = Required Entry
** = Must Enter One

MASK 2.3

INPUT TRAINING AID REQUIREMENT DATA

<u>Enter:</u>		<u>Data Field</u>	
		<u>Size</u>	<u>Type</u>
POI #	*	16	A/N
POI File #	*	16	A/N
Training Aid LIN/FSN	*	16	A/N
-OR-	**		
Description		24	A/N
Quantity Required	*	4	N
Unit of Measure	*	2	A
Acceptable Substitute(s):			
LIN/FSN		16	A/N
-OR- Description		24	A/N
LIN/FSN		16	A/N
-OR- Description		24	A/N

Select Next Mask:

*

If You Wish:

Select

Same Mask & POI	1
Same Mask Only	2
Same POI, Input Ammunition Requirement Data Mask	3
Same POI, Input Range Requirement Data Mask	4
Same POI, Input Training Area Requirement Data Mask	5
Same POI, Input Building Requirement Data Mask	6
Same POI, Input Transportation Requirement Data Mask	7
To Input AVAILABILITY Data	8
To Return to MAIN MENU	0

* = Required Entry
** = Must Enter One

MASK 2.4

INPUT TRAINING AREA REQUIREMENT DATA

<u>Enter:</u>		<u>Data Field</u>	
		<u>Size</u>	<u>Type</u>
POI #	*	16	A/N
POI File #	*	16	A/N
Training Area: Name		24	A/N
-OR- #	**	8	A/N
-OR- Type		8	A/N
Unit(s): Size &	*	4	A/N
# Unit(s)	*	4	N
Acceptable Substitute(s):			
Training Area: Name		16	A/N
-OR- #		8	A/N
-OR- Type		16	A/N
Training Area: Name		16	A/N
-OR- #		8	A/N
-OR- Type		16	A/N

Select Next Mask:

*

If You Wish:

Select

Same Mask & POI	1
Same Mask Only	2
Same POI, Input Ammunition Requirement Data Mask	3
Same POI, Input Range Requirement Data Mask	4
Same POI, Input Training Aid Requirement Data Mask	5
Same POI, Input Building Requirement Data Mask	6
Same POI, Input Transportation Requirement Data Mask	7
To Input AVAILABILITY Data	8
To Return to MAIN MENU	0

* = Required Entry

** = Must Enter One

MASK 2.5

INPUT BUILDING REQUIREMENT DATA

Enter:		Data Field	
		Size	Type
POI #	*	16	A/N
POI File #	*	16	A/N
Building: Name		24	A/N
-OR- #	**	8	A/N
-OR- Type Code		2	N

Type Codes:			
Admin	10	Billet	40
Supply	15	Dining	45
Storage	20	General Instruction	50
Issue	25	Applied Instruction	55
Maintenance	30	Commo Instruction	60
Garage	35	Laboratory	65
		Medical	70

Must Accommodate:			
# Students at Once		4	N
# Meals/24 hrs. (Dining Halls)		4	N
# Special Equip Sets &		4	N
Type Special Equip		16	A/N
# Vehicles &		4	N
Type Vehicles		16	A/N
# Weapons &		4	N
Type Weapons		16	A/N
Quantity Required	*	8	N
Acceptable Substitute(s):			
Type Code &		2	N
# of Substitutes = One 1st Choice Bldg		8	D
Type Code &		2	N
# of Substitutes = One 1st Choice Bldg		8	D

Select Next Mask:

*

If You Wish:

Select

Same Mask & POI	1
Same Mask Only	2
Same POI, Input Ammunition Requirement Data Mask	3
Same POI, Input Range Requirement Data Mask	4
Same POI, Input Training Aid Requirement Data Mask	5
Same POI, Input Training Area Data Mask	6
Same POI, Input Transportation Requirement Data Mask	7
To Input AVAILABILITY Data	8
To Return to MAIN MENU	0

* = Required Entry
** = Must Enter One

MASK 2.6

INPUT TRANSPORTATION REQUIREMENT DATA

<u>Enter:</u>		<u>Data Field</u>	
		<u>Size</u>	<u>Type</u>
POI #	*	16	A/N
POI File #	*	16	A/N
Mode Code of 1st Choice	*	2	N
<u>Mode Codes:</u>			
Sedan	05	Trailer, Admin	50
Taxi	10	Trailer, Tactical	55
Bus, Commercial	15	Trailer, Water	60
Bus, Military	18	Trailer, Fuel	63
Truck, Admin	20	Track, Recovery	65
Truck, Tactical	25	Track, Resupply	70
Truck, Recovery, Admin	30	Aircraft, Fixed Wing	75
Truck, Recovery, Tactical	35	Aircraft, Rotary Wing	80
Truck, Fuel	38	Watercraft	85
Tractor, Admin	40	Hovercraft	90
Tractor, Tactical	45	Rail Car	95
<u>Must Accommodate:</u>			
# Passengers		4	N
# Tons of Cargo	***	4	N
# Cubic Feet of Cargo		4	N
<u>Acceptable Substitute Mode(s):</u>			
Mode Code &		2	N
# of Substitutes = One 1st Choice Vehicle		8	D
Mode Code &		2	N
# of Substitutes = One 1st Choice Vehicle		8	D

Select Next Mask:

*

If You Wish:

Select

Same Mask & POI	1
Same Mask Only	2
Same POI, Input Ammunition Requirement Data Mask	3
Same POI, Input Range Requirement Data Mask	4
Same POI, Input Training Aid Requirement Data Mask	5
Same POI, Input Training Area Data Mask	6
Same POI, Input Buildings Requirement Data Mask	7
To Input AVAILABILITY Data	8
To Return to MAIN MENU	0

* = Required Entry

*** = May Enter One

MASK 3.0

INPUT AVAILABILITY DATA MENU

If You Wish:

Select

To Input Ammunition Availability Data	1
To Input Range Availability Data	2
To Input Training Aid Availability Data	3
To Input Training Area Availability Data	4
To Input Building Availability Data	5
To Input Transportation Availability Data	6
To Input Requirement Data	7
To Review & Change Data	8
To Return to MAIN MENU	0

MASK 3.1

INPUT AMMUNITION AVAILABILITY DATA

<u>Enter:</u>		<u>Data Field</u>	
		<u>Size</u>	<u>Type</u>
DODIC	*	4	A/N
Nomenclature	*	24	A/N
Quantity	*	8	N
Unit of Measure		2	A
Source Unit		24	A/N

Select Next Mask:

*

If You Wish:

Select

Same Mask & Source	1
Same Mask Only	2
To Input Range Availability Data	3
To Input Training Aid Availability Data	4
To Input Training Area Availability Data	5
To Input Building Availability Data	6
To Input Transportation Availability Data	7
To Input REQUIREMENT Data	8
To Return to MAIN MENU	9

* = Required Entry

(BT POI ANNEX I)

MASK 3.2

INPUT RANGE AVAILABILITY DATA

<u>Enter:</u>		<u>Data Field</u>	
		<u>Size</u>	<u>Type</u>
Range Name		24	A/N
Range #	**	8	A/N
Weapon &	*	24	A/N
# Points	*	4	N
Alternate Weapon &		8	A/N
# Points		4	N
Source Unit		24	A/N

Select Next Mask:

*

If You Wish:

Select

Same Mask & Source	1
Same Mask Only	2
To Input Ammunition Availability Data	3
To Input Training Aid Availability Data	4
To Input Training Area Availability Data	5
To Input Building Availability Data	6
To Input Transportation Availability Data	7
To Input REQUIREMENT Data	8
To Return to MAIN MENU	0

* = Required Entry
** = Must Enter One

MASK 3.3

INPUT TRAINING AID AVAILABILITY DATA

<u>Enter:</u>		<u>Data Field</u>	
		<u>Size</u>	<u>Type</u>
Training Aid:			
LIN/FSN (if known) &		16	A/N
Description	*	24	A/N
Quantity Available &	*	4	N
Unit of Measure	*	2	A
Source Unit		24	A/N

Select Next Mask:

*

If You Wish:

Select

Same Mask & Source	1
Same Mask Only	2
To Input Ammunition Availability Data	3
To Input Range Availability Data	4
To Input Training Area Availability Data	5
To Input Building Availability Data	6
To Input Transportation Availability Data	7
To Input REQUIREMENT Data	8
To Return to MAIN MENU	0

* = Required Entry

MASK 3.4

INPUT TRAINING AREA AVAILABILITY DATA

<u>Enter:</u>	<u>Data Field</u>	
	<u>Size</u>	<u>Type</u>
Training Area: Name	24	A/N
#	8	A/N
Type(s)	24	A/N
Can Accommodate:		
Unit Size &	4	A/N
# Unit(s)	4	N
Alternate Unit Size &	4	A/N
# Unit(s)	4	N
Source Unit	24	A/N

Select Next Mask:

*

If You Wish:

Select

Same Mask & Source	1
Same Mask Only	2
To Input Ammunition Availability Data	3
To Input Range Availability Data	4
To Input Training Aid Availability Data	5
To Input Building Availability Data	6
To Input Transportation Availability Data	7
To Input REQUIREMENT Data	8
To Return to MAIN MENU	0

* = Required Entry
** = Must Enter One

Typical Training Areas:

ARTEP Area	Land Navigation Course
Bivouac Course	Mounted Navigation Course
CBR Proficiency Course	Obstacle Course
Confidence Course	PT Test Course
Demolition Area	Recovery Course
Driving Course, Basic	Test & Evaluation Facility
Driving Course, Advanced	Wash Rack

MASK 3.5

INPUT BUILDING AVAILABILITY DATA

<u>Enter:</u>		<u>Data Field</u>	
		<u>Size</u>	<u>Type</u>
Building Name }		24	A/N
Building # }	**	8	A/N
Type Code	*	2	

<u>Type Codes:</u>			
Admin	10	Billet	40
Supply	15	Dining	45
Storage	20	General Instruction	50
Issue	25	Applied Instruction	55
Maintenance	30	Command Instruction	60
Garage	35	Laboratory	65
		Medical	70

<u>Can Accommodate:</u>			
# Students at Once		4	N
# Meals/24 Hrs (Dining Halls)		4	N
# Special Equip Sets &		4	N
Type Special Equip		16	A/N
# Vehicles &		4	N
Type Vehicles		16	A/N
# Weapons &		4	N
Type Weapons		16	A/N
Source Unit		24	A/N

Select Next Mask:

*

If You Wish:

Select

Same Mask & Source	1
Same Mask Only	2
To Input Ammunition Availability Data	3
To Input Range Availability Data	4
To Input Training Aid Availability Data	5
To Input Training Area Availability Data	6
To Input Transportation Availability Data	7
To Input REQUIREMENT Data	8
To Return to MAIN MENU	0

* = Required Entry
 ** = Must Enter One

MASK 3.6

INPUT TRANSPORTATION AVAILABILITY DATA (Less Training Aids)

<u>Enter:</u>	Mode Code	*	<u>Data Field</u>	
			<u>Size</u>	<u>Type</u>
		*	2	N
	<u>Mode Codes:</u>			
	Sedan	05	Trailer, Admin	50
	Taxi	10	Trailer, Tactical	55
	Bus, Commercial	15	Trailer, Water	60
	Bus, Military	18	Trailer, Fuel	63
	Truck, Admin	20	Track, Recovery	65
	Truck, Tactical	25	Track, Resupply	70
	Truck, Recovery, Admin	30	Aircraft, Fixed Wing	75
	Truck, Recovery, Tactical	35	Aircraft, Rotary Wing	80
	Truck, Fuel	38	Watercraft	85
	Tractor, Admin	40	Hovercraft	90
	Tractor, Tactical	45	Rail Car	95
	Can Accommodate:			
	# Passengers		4	N
	# Tons of Cargo	**	4	N
	# Cubic Feet of Cargo		4	N
	Quantity Available	*	8	N
	Source Unit		24	A/N

Select Next Mask:

*

If You Wish:

Select

Same Mask & Source	1
Same Mask Only	2
To Input Ammunition Availability Data	3
To Input Range Availability Data	4
To Input Training Aid Availability Data	5
To Input Training Area Availability Data	6
To Input Building Availability Data	7
To Input REQUIREMENT Data	8
To Return to MAIN MENU	0

* = Required Entry
** = Must Enter One

MASK 4.0

REVIEW AND CHANGE FILE DATA MENU

If You Wish:

Select

To Review SHORTAGE FILE

1

To Review SURPLUS FILE

2

To Review & Change REQUIREMENT FILE

3

To Review & Change AVAILABILITY FILE

4

To Return to MAIN MENU

0

REPORT 6.1

SHORTAGE FILE (CRT and/or Printer)

ARPRINT RATE: DATE OF SIMULATION:

<u>Rec #</u>	<u>Resource</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>POI File #</u>	<u>POI #</u>
1	8 Ammo	4 DODIC	24 Nomenclature	8	2 EA	24	16	16
2	8 Range	8 Range #	24 Range Name 21 Weapon	2	2 HR	24	16	16
3	Tng Aid	16 LIN/FSN	24 Nomenclature	4	3 EA	24	16	16
4	Tng Area	8 Tng Ar #	24 Tng Area Name 9 # Units/Type Units 16 Type Tng	2	2 HR	24	16	16
5	Bldg	8 Bldg #	20 Bldg Type 20 Accommodation	2	2 HR	24	16	16
6	Trans	16 Mode	24 Accommodation	4	2	24	16	16
>>> Above Net Balance Includes Use of Following Substitute(s):								
7	Trans	16 Mode	24 Accommodation	8	2	24	16	16

Systems Notes:

1. Zero net balances will be displaced IF substitutes were applied.
 2. If output is via printer only, return CRT screen to MAIN MENU.
- If output includes CRT, add note at end of scroll: Depress "Enter" key to Return to MAIN MENU.

REPORT 6.2

SURPLUS FILE
(CRT and/or Printer)

<u>Rec #</u>	<u>Resource</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>POI File #</u>	<u>POI #</u>
18	8 Ammo	4 DODIC	24 Nomenclature	8	2 EA	24	16	16

>>> Above Surplus Will Substitute For:

19	8 Ammo	4 DODIC	24 Nomenclature	8	2	24	16	16
----	-----------	------------	--------------------	---	---	----	----	----

Systems Note: If output is via printer only, return CRT screen to MAIN MENU.
If output includes CRT, add note at end of scroll: Depress "Enter" key to
Return to MAIN MENU.

REPORT 6.3

REQUIREMENT FILE
(Printer Only)

<u>Rec #</u>	<u>Resource</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>POI</u> <u>File #</u>	<u>POI #</u>
26	8 Ammo	4 DODIC	24 Nomenclature	8	2 EA	24	16	16
27	8 Range	8 Range #	24 Range Name 21 Weapon & # Points	8	2	24	16	16
28	8 Tng Aid	16 LIN/FSN	24 Nomenclature	8	2	24	16	16
29	8 Tng Area	8 Tng Area #	24 Tng Area Name	8	2	24	16	16
30	8 Bldg	8 Bldg #	20 Bldg Type 20 Accommodation	8	2	24	16	16
31	8 Trans	16 Mode	24 Accommodation	8	2	24	16	16

Systems Note: Return CRT screen to MAIN MENU.

REPORT 6.4

AVAILABILITY FILE
(Printer Only)

<u>Rec #</u>	<u>Resource</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>
38	8 Ammo	4 DODIC	24 Nomenclature	8	2 EA	24
39	8 Range	8 Range #	24 Range Name 21 Weapon # Points	2	2 HR	24
40	8 Tng Aid	16 LIN/FSN	24 Nomenclature	4	2 EA	24
41	8 Tng Area	8 Tng Area #	24 Tng Area Name	.2	2 HR	24
42	8 Bldg	8 Bldg #	20 Bldg Type 20 Accommodation	2	2 HR	24
43	8 Trans	16 Mode	24 Accommodation	8	2	24

Systems Note: Return CRT screen to MAIN MENU.

MASK 7.0

SHORTAGE FILE SELECTION MENU

<u>If You Wish:</u>	<u>Select</u>
To Review Ammunition Shortage File	1
To Review Range Shortage File	2
To Review Training Aid Shortage File	3
To Review Training Area Shortage File	4
To Review Building Shortage File	5
To Review Transportation Shortage File	6
To Review SURPLUS FILE	7
To Review & Change REQUIREMENT FILE	8
To Review & Change AVAILABILITY FILE	9
To Return to MAIN MENU	0

MASK 7.1

AMMUNITION SHORTAGE FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>POI File #</u>	<u>POI #</u>
1	4 DODIC	24 Nomenclature	8	2 EA	24	16	16

Select Next Mask:

If You Wish:

Select

To Review Range Shortage File	1
To Review Training Aid Shortage File	2
To Review Training Area Shortage File	3
To Review Building Shortage File	4
To Review Transportation Shortage File	5
To Review SURPLUS FILE	6
To Review & Change REQUIREMENT FILE	7
To Review & Change AVAILABILITY FILE	8
To Return to MAIN MENU	0

MASK 7.2

RANGE SHORTAGE FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>POI File #</u>	<u>POI #</u>
2	8	24	2	2	24	16	16
	Range #	Range Name		HR			
		16					
		Weapon & # Points					

Select Next Mask:

If You Wish:

Select

To Review Ammunition Shortage File	1
To Review Training Aid Shortage File	2
To Review Training Area Shortage File	3
To Review Building Shortage File	4
To Review Transportation Shortage File	5
To Review SURPLUS FILE	6
To Review & Change REQUIREMENT FILE	7
To Review & Change AVAILABILITY FILE	8
To Return to MAIN MENU	0

MASK 7.3

TRAINING AID SHORTAGE FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>POI File #</u>	<u>POI #</u>
3	16	24	4	3	24	16	16
	LIN/FSN	Nomenclature		EA			

Select Next Mask:

If You Wish:

Select

To Review Ammunition Shortage File	1
To Review Range Shortage File	2
To Review Training Area Shortage File	3
To Review Building Shortage File	4
To Review Transportation Shortage File	5
To Review SURPLUS FILE	6
To Review & Change REQUIREMENT FILE	7
To Review & Change AVAILABILITY FILE	8
To Return to MAIN MENU	0

AD-A168 348

LOGISTICAL SUPPORT FOR THE MOBILIZED ARMY TRAINING
DIVISION'S OPERATIONS: TRIN TOSS A SIMULATION PARADIGM
(U) ARMY WAR COLL CARLISLE BARRACKS PA H C CLAYTON

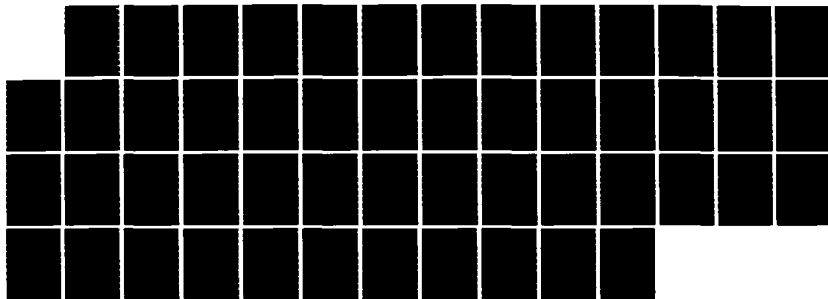
2/2

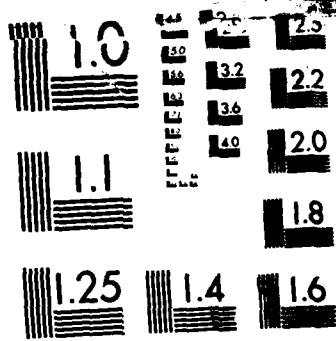
UNCLASSIFIED

07 MAY 86

F/G 15/3

NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

MASK 7.4

TRAINING AREA SHORTAGE FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>POI File #</u>	<u>POI #</u>
	8	24	2	2	24	16	16
4	Tng Area #	Tng Area Name		HR			
		9					
		# Units/Type Units					
		16					
		Type Tng					

Select Next Mask:

If You Wish:

Select

To Review Ammunition Shortage File	1
To Review Range Shortage File	2
To Review Training Aid Shortage File	3
To Review Building Shortage File	4
To Review Transportation Shortage File	5
To Review SURPLUS FILE	6
To Review & Change REQUIREMENT FILE	7
To Review & Change AVAILABILITY FILE	8
To Return to MAIN MENU	0

MASK 7.5

BUILDING SHORTAGE FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>POI File #</u>	<u>POI #</u>
5	8	20	2	2	24	16	16
	Bldg #	Bldg Type		HR			
		20					
		Accommodation					

Select Next Mask:

If You Wish:

Select

To Review Ammunition Shortage File
To Review Range Shortage File
To Review Training Aid Shortage File
To Review Training Area File
To Review Transportation Shortage File
To Review SURPLUS FILE
To Review & Change REQUIREMENT FILE
To Review & Change AVAILABILITY FILE
To Return to MAIN MENU

1
2
3
4
5
6
7
8
0

MASK 7.6

TRANSPORTATION SHORTAGE FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>POI File #</u>	<u>POI #</u>
6	16	24	8	2	24	16	16
	Mode	Accommodation					

>>> Above Net Balance Includes Use of Following Substitute(s):

7	16	24	8	2	24	16	16
	Mode	Accommodation					

Select Next Mask:

If You Wish:

Select

To Review Ammunition Shortage File	1
To Review Range Shortage File	2
To Review Training Aid Shortage File	3
To Review Training Area File	4
To Review Building File	5
To Review SURPLUS FILE	6
To Review & Change REQUIREMENT FILE	7
To Review & Change AVAILABILITY FILE	8
To Return to MAIN MENU	0

MASK 8.0

SURPLUS FILE SELECTION MENU

<u>If You Wish:</u>	<u>Select</u>
To Review Ammunition Surplus File	1
To Review Range Surplus File	2
To Review Training Aid Surplus File	3
To Review Training Area Surplus File	4
To Review Building Surplus file	5
To Review Transportation Surplus File	6
To Review SHORTAGE FILE	7
To Review & Change REQUIREMENT FILE	8
To Review & Change AVAILABILITY FILE	9
To Return to MAIN MENU	0

MASK 8.1

AMMUNITION SURPLUS FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>Some Applied To:</u>	
						<u>POI File #</u>	<u>POI #</u>
18	4	24	8	2	24	16	16
	DODIC	Nomenclature		EA			

>>> Above Surplus Will Substitute For:

19	4	24	8	2	24	16	16
	DODIC	Nomenclature					

Select Next Mask:

If You Wish:

Select

To Review Range Surplus File	1
To Review Training Aid Surplus File	2
To Review Training Area Surplus File	3
To Review Building Surplus file	4
To Review Transportation Surplus File	5
To Review SHORTAGE FILE	6
To Review & Change REQUIREMENT FILE	7
To Review & Change AVAILABILITY FILE	8
To Return to MAIN MENU	0

MASK 8.2

RANGE SURPLUS FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>Some Applied To:</u>	
						<u>POI File #</u>	<u>POI #</u>
27	8	24	8	2	24	16	16
	Range #	Range Name					
		16					
		Weapon & # Points					

Select Next Mask:

If You Wish:

Select

To Review Ammunition Surplus File	1
To Review Training Aid Surplus File	2
To Review Training Area Surplus File	3
To Review Building Surplus file	4
To Review Transportation Surplus File	5
To Review SHORTAGE FILE	6
To Review & Change REQUIREMENT FILE	7
To Review & Change AVAILABILITY FILE	8
To Return to MAIN MENU	0

MASK 8.3

TRAINING AID SURPLUS FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>Some Applied To:</u>	
						<u>POI File #</u>	<u>POI #</u>
28	16	24	8	2	24	16	16
	LIN/FSN	Nomenclature					

Select Next Mask:

If You Wish:

Select

To Review Ammunition Surplus File	1
To Review Range Surplus File	2
To Review Training Area Surplus File	3
To Review Building Surplus file	4
To Review Transportation Surplus File	5
To Review SHORTAGE FILE	6
To Review & Change REQUIREMENT FILE	7
To Review & Change AVAILABILITY FILE	8
To Return to MAIN MENU	0

MASK 8.4

TRAINING AREA SURPLUS FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>Some Applied To:</u>	
						<u>POI File #</u>	<u>POI #</u>
29	8	24	8	2	24	16	16
	Tng Area #	Tng Area Name					

Select Next Mask:

If You Wish:

Select

To Review Ammunition Surplus File	1
To Review Range Surplus File	2
To Review Training Aid Surplus File	3
To Review Building Surplus file	4
To Review Transportation Surplus File	5
To Review SHORTAGE FILE	6
To Review & Change REQUIREMENT FILE	7
To Review & Change AVAILABILITY FILE	8
To Return to MAIN MENU	0

MASK 8.5

BUILDING SURPLUS FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>Some Applied To:</u>	
						<u>POI File #</u>	<u>POI #</u>
30	8	20	8	2	24	16	16
	Bldg #	Bldg Type					
		20					
		Accommodation					

Select Next Mask:

If You Wish:

Select

To Review Ammunition Surplus File	1
To Review Range Surplus File	2
To Review Training Aid Surplus File	3
To Review Training Area Surplus file	4
To Review Transportation Surplus File	5
To Review SHORTAGE FILE	6
To Review & Change REQUIREMENT FILE	7
To Review & Change AVAILABILITY FILE	8
To Return to MAIN MENU	0

MASK 8.6

TRANSPORTATION SURPLUS FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>Some Applied To:</u>	
						<u>POI File #</u>	<u>POI #</u>
31	16 Mode	24 Accommodation	8	2	24	16	16

Select Next Mask:

If You Wish:

Select

To Review Ammunition Surplus File	1
To Review Range Surplus File	2
To Review Training Aid Surplus File	3
To Review Training Area Surplus file	4
To Review Building Surplus File	5
To Review SHORTAGE FILE	6
To Review & Change REQUIREMENT FILE	7
To Review & Change AVAILABILITY FILE	8
To Return to MAIN MENU	0

MASK 9.0

REQUIREMENT FILE SELECTION MENU

<u>If You Wish:</u>	<u>Select</u>
To Review & Change Ammunition Requirement File	1
To Review & Change Range Requirement File	2
To Review & Change Training Aids Requirement File	3
To Review & Change Training Areas Requirement File	4
To Review & Change Building Requirement File	5
To Review & Change Transportation Requirement File	6
To Review SHORTAGE FILE	7
To Review SURPLUS FILE	8
To Review & Change AVAILABILITY FILE	9
To Return to MAIN MENU	0

MASK 9.1

AMMUNITION REQUIREMENT FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>POI FILE #</u>	<u>POI #</u>
26	4	24	8	2	24	16	16
	DODIC	Nomenclature		EA			

Select Next Action (Either "1" or "2"):

1. If you wish to change above file data, enter REC # (N)

-OTHERWISE-

2. Select Next Mask:

If You Wish:

Select

Same File	1
To Review & Change Range Requirement File	2
To Review & Change Training Aid Requirement File	3
To Review & Change Training Area Requirement file	4
To Review & Change Building Requirement File	5
To Review & Change Transportation Requirement File	6
To Review & Change AVAILABILITY FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

MASK 9.2

RANGE REQUIREMENT FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>POI FILE #</u>	<u>POI #</u>
827	8	24	8	2	24	16	16
	Range #	Range Name					
		16					
		Weapon					

Select Next Action (Either "1" or "2"):

1. If you wish to change above file data, enter REC # (N)

-OTHERWISE-

2. Select Next Mask:

<u>If You Wish:</u>	<u>Select</u>
Same File	1
To Review & Change Ammunition Requirement File	2
To Review & Change Training Aid Requirement File	3
To Review & Change Training Area Requirement file	4
To Review & Change Building Requirement File	5
To Review & Change Transportation Requirement File	6
To Review & Change AVAILABILITY FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

MASK 9.3

TRAINING AID REQUIREMENT FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>POI FILE #</u>	<u>POI #</u>
28	16	24	8	2	24	16	16
	LIN/FSN	Nomenclature					

Select Next Action (Either "1" or "2"):

1. If you wish to change above file data, enter REC # (N)

-OTHERWISE-

2. Select Next Mask:

If You Wish:

Select

Same File	1
To Review & Change Ammunition Requirement File	2
To Review & Change Range Requirement File	3
To Review & Change Training Area Requirement file	4
To Review & Change Building Requirement File	5
To Review & Change Transportation Requirement File	6
To Review & Change AVAILABILITY FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

MASK 9.4

TRAINING AREA REQUIREMENT FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>POI FILE #</u>	<u>POI #</u>
	8	24	8	2	24	16	16
29	Tng Area #	Tng Area Name					

Select Next Action (Either "1" or "2"):

1. If you wish to change above file data, enter REC # (N)

-OTHERWISE-

2. Select Next Mask:

If You Wish:

Select

Same File	1
To Review & Change Ammunition Requirement File	2
To Review & Change Range Requirement File	3
To Review & Change Training Aid Requirement file	4
To Review & Change Building Requirement File	5
To Review & Change Transportation Requirement File	6
To Review & Change AVAILABILITY FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

MASK 9.5

BUILDING REQUIREMENT FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>POI File #</u>	<u>POI #</u>
30	8	20	8	2	24	16	16
	Bldg #	Bldg Type					
		20					
		Accommodation					

Select Next Action (Either "1" or "2"):

1. If you wish to change above file data, enter REC # (N)

-OTHERWISE-

2. Select Next Mask:

If You Wish:

Select

Same File	1
To Review & Change Ammunition Requirement File	2
To Review & Change Range Requirement File	3
To Review & Change Training Aid Requirement file	4
To Review & Change Training Area Requirement File	5
To Review & Change Transportation Requirement File	6
To Review & Change AVAILABILITY FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

MASK 9.6

TRANSPORTATION REQUIREMENT FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>	<u>POI File #</u>	<u>POI #</u>
31	16	24	8	2	24	16	16
	Mode	Accommodation					

Select Next Action (Either "1" or "2"):

1. If you wish to change above file data, enter REC # (N)

-OTHERWISE-

2. Select Next Mask:

If You Wish:

Select

Same File	1
To Review & Change Ammunition Requirement File	2
To Review & Change Range Requirement File	3
To Review & Change Training Aid Requirement file	4
To Review & Change Training Area Requirement File	5
To Review & Change Building Requirement File	6
To Review & Change AVAILABILITY FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

MASK 9.1.1

CHANGE OR DELETE AMMUNITION REQUIREMENT DATA

<u>REC #:</u> X	<u>FILE DATA</u>	<u>NEW DATA</u>
POI #	X	\$
POI File #	X	\$
DODIC	X	\$
Nomenclature	X	\$
Quantity Required	X	\$
Unit of Measure	X	\$
Acceptable Substitute(s):		
DODIC	X	\$
DODIC	X	\$

Delete this item from the file? (Y = Yes; Blank = No) _____

Select Next Mask:

If You Wish:

Select

Same File	1
To Review & Change Range Requirement Data	2
To Review & Change Training Aid Requirement Data	3
To Review & Change Training Area Requirement Data	4
To Review & Change Building Requirement Data	5
To Review & Change Transportation Requirement Data	6
To Review & Change AVAILABILITY FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

System Notes:

X = From Data Base
\$ = For Operator Entry

MASK 9.2.1

CHANGE OR DELETE RANGE REQUIREMENT DATA

<u>REC#:</u>	<u>X</u>	<u>FILE DATA</u>	<u>NEW DATA</u>
POI #		X	\$
POI File #		X	\$
Range: Name		X	\$
#		X	\$
Quantity		X	\$
Weapon		X	\$
# Points		X	\$
Acceptable Substitute(s):			
# Points		X	\$
# Points		X	\$

Delete this item from the file? (Y = Yes; Blank = No) _____

Select Next Mask:

If You Wish:

Select

Same File	1
To Review & Change Ammunition Requirement Data	2
To Review & Change Training Aid Requirement Data	3
To Review & Change Training Area Requirement Data	4
To Review & Change Building Requirement Data	5
To Review & Change Transportation Requirement Data	6
To Review & Change AVAILABILITY FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

System Notes:

X = From Data Base
\$ = For Operator Entry

MASK 9.3.1

CHANGE OR DELETE TRAINING AID REQUIREMENT DATA

<u>REC#:</u> X	<u>FILE DATA</u>	<u>NEW DATA</u>
POI #	X	\$
POI File #	X	\$
Training Aid: LIN/FSN	X	\$
Description	X	\$
Quantity Required	X	\$
Unit of Measure	X	\$
Acceptable Substitute(s):		
LIN/FSN or Description	X	\$
LIN/FSN or Description	X	\$

Delete this item from the file? (Y = Yes; Blank = No) _____

Select Next Mask:

If You Wish:

Select

Same File	1
To Review & Change Ammunition Requirement Data	2
To Review & Change Range Requirement Data	3
To Review & Change Training Area Requirement Data	4
To Review & Change Building Requirement Data	5
To Review & Change Transportation Requirement Data	6
To Review & Change AVAILABILITY FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

System Notes:

X = From Data Base
\$ = For Operator Entry

MASK 9.4.1

CHANGE OR DELEGE TRAINING AREA REQUIREMENT DATA

<u>REC#:</u>	<u>X</u>	<u>FILE DATA</u>	<u>NEW DATA</u>
POI #		X	\$
POI File #		X	\$
Training Area: Name		X	\$
#		X	\$
Use		X	\$
Units: Size		X	\$
# Unit(s)		X	\$
Acceptable Substitute(s):			
Training Area: Name		X	\$
#		X	\$
Type		X	\$
Training Area: Name		X	\$
#		X	\$
Type		X	\$

Delete this item from the file? (Y = Yes; Blank = No) _____

Select Next Mask:

If You Wish:

Select

Same File	1
To Review & Change Ammunition Requirement Data	2
To Review & Change Range Requirement Data	3
To Review & Change Training Aid Requirement Data	4
To Review & Change Building Requirement Data	5
To Review & Change Transportation Requirement Data	6
To Review & Change AVAILABILITY FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

System Notes:

X = From Data Base
\$ = For Operator Entry

MASK 9.5.1

CHANGE OR DELETE BUILDING REQUIREMENT DATA

REC#: X

FILE DATA

NEW DATA

POI #		X		\$
POI File #		X		\$
Building: Name		X		\$
#		X		\$
Type Code		X		\$
<u>Type Codes:</u>				
Admin	10	Billet		40
Supply	15	Dining		45
Storage	20	General Instruction		50
Issue	25	Applied Instruction		55
Maintenance	30	Command Instruction		60
Garage	35	Laboratory		65
		Medical		70

Must Accommodate:

# Students	X	\$
# Meals/24 Hrs	X	\$
# Spec Equip Sets	X	\$
Type Spec Equip	X	\$
# Vehicles	X	\$
Type Vehicles	X	\$
# Weapons	X	\$
Type Weapons	X	\$
Quantity Required	X	\$
<u>Acceptable Substitute(s):</u>		
Type Code	X	\$
# of Substitutes = One 1st Choice Bldg	X	\$
Type Code	X	\$
# of Substitutes = One 1st Choice Bldg	X	\$

Delete this item from the file? (Y = Yes; Blank = No) _____

Select Next Mask:

If You Wish:

Select

Same File	1
To Review & Change Ammunition Requirement Data	2
To Review & Change Range Requirement Data	3
To Review & Change Training Aid Requirement Data	4
To Review & Change Training Area Requirement Data	5
To Review & Change Transportation Requirement Data	6
To Review & Change AVAILABILITY FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

System Notes:

X = From Data Base

\$ = For Operator Entry

MASK 9.6.1

CHANGE OR DELETE TRANSPORTATION REQUIREMENT DATA

<u>REC#:</u> X	<u>FILE DATA</u>	<u>NEW DATA</u>
POI #	X	\$
POI File #	X	\$
Mode Code of 1st Choice Vehicle	X	\$
<u>Mode Codes:</u>		
Sedan	05	Trailer, Admin 50
Taxi	10	Trailer, Tactical 55
Bus, Commercial	15	Trailer, Water 60
Bus, Military	18	Trailer, Fuel 63
Truck, Admin	20	Track, Recovery 65
Truck, Tactical	25	Track, Resupply 70
Truck, Recovery, Admin	30	Aircraft, Fixed Wing 75
Truck, Recovery, Tactical	35	Aircraft, Rotary Wing 80
Truck, Fuel	38	Watercraft 85
Tractor, Admin	40	Hovercraft 90
Tractor, Tactical	45	Rail Car 95
<u>Must Accommodate:</u>		
# Passengers	X	\$
# Tons of Cargo	X	\$
# Cubic Feet of Cargo	X	\$
<u>Acceptable Substitute Mode(s):</u>		
Mode Code &	X	\$
# of Substitutes =		
One 1st Choice Vehicle	X	\$
Mode Code &	X	\$
# of Substitutes =		
One 1st Choice Vehicle	X	\$
Delete this item from the file? (Y = Yes; Blank = No) _____		

Select Next Mask:

If You Wish:

Select

- | | |
|--|---|
| Same File | 1 |
| To Review & Change Ammunition Requirement Data | 2 |
| To Review & Change Range Requirement Data | 3 |
| To Review & Change Training Aid Requirement Data | 4 |
| To Review & Change Training Area Requirement Data | 5 |
| To Review & Change Transportation Requirement Data | 6 |
| To Review & Change AVAILABILITY FILE | 7 |
| To Review SHORTAGE FILE | 8 |
| To Review SURPLUS FILE | 9 |
| To Return to MAIN MENU | 0 |

System Notes:

X = From Data Base

\$ = For Operator Entry

MASK 10.0

AVAILABILITY FILE MENU

If You Wish:

Select

To Review & Change Ammunition Availability File	1
To Review & Change Range Availability File	2
To Review & Change Training Aid Availability File	3
To Review & Change Training Area Availability File	4
To Review & Change Building Availability File	5
To Review & Change Transportation Availability File	6
To Review SHORTAGE FILE	7
To Review SHORTAGE or SURPLUS FILE	8
To Review & Change REQUIREMENT FILE	9
To Return to MAIN MENU	0

MASK 10.1

AMMUNITION AVAILABILITY FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>
38	4	24	8	2	24
	DODIC	Nomenclature		EA	

Select Next Action (Either "1" or "2"):

1. If you wish to change above file data, enter REC # (N)

- OTHERWISE -

2. Select Next Mask:

If You Wish:

Select

Same File	1
To Review & Change Range Availability Data	2
To Review & Change Training Aid Availability Data	3
To Review & Change Training Area Availability Data	4
To Review & Change Building Availability Data	5
To Review & Change Transportation Availability Data	6
To Review & Change REQUIREMENT FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

Systems Note: If Rec # is entered, go to appropriate change or delete ammunition availability data mask.

MASK 10.2

RANGE AVAILABILITY FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>
39	8	24	2	2	24
	Range #	Range Name		HR	
		16			
		Weapon & # Points			

Select Next Action (Either "1" or "2"):

1. If you wish to change above file data, enter REC # (N)

-OTHERWISE-

2. Select Next Mask:

If You Wish:

Select

Same File	1
To Review & Change Range Availability Data	2
To Review & Change Training Aid Availability Data	3
To Review & Change Training Area Availability Data	4
To Review & Change Building Availability Data	5
To Review & Change Transportation Availability Data	6
To Review & Change REQUIREMENT FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

Systems Note: If Rec # is entered, go to appropriate change or delete ammunition availability data mask.

MASK 10.3

TRAINING AID AVAILABILITY FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>
40	16	24	4	2	24
	LIN/FSN	Nomenclature		EA	

Select Next Action (Either "1" or "2"):

1. If you wish to change above file data, enter REC # (N)

-OTHERWISE-

2. Select Next Mask:

<u>If You Wish:</u>	<u>Select</u>
Same File	1
To Review & Change Range Availability Data	2
To Review & Change Training Aid Availability Data	3
To Review & Change Training Area Availability Data	4
To Review & Change Building Availability Data	5
To Review & Change Transportation Availability Data	6
To Review & Change REQUIREMENT FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

Systems Note: If Rec # is entered, go to appropriate change or delete ammunition availability data mask.

MASK 10.4

TRAINING AREA AVAILABILITY FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>
41	8	24	2	2	24
	Tng Area #	Tng Area Name		HR	

Select Next Action (Either "1" or "2"):

1. If you wish to change above file data, enter REC # (N)

-OTHERWISE-

2. Select Next Mask:

<u>If You Wish:</u>	<u>Select</u>
Same File	1
To Review & Change Range Availability Data	2
To Review & Change Training Aid Availability Data	3
To Review & Change Training Area Availability Data	4
To Review & Change Building Availability Data	5
To Review & Change Transportation Availability Data	6
To Review & Change REQUIREMENT FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

Systems Note: If Rec # is entered, go to appropriate change or delete ammunition availability data mask.

MASK 10.5

BUILDING AVAILABILITY FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>
42	8	20	2	2	24
	Bldg #	Bldg Type		HR	
		20			
		Accommodation			

Select Next Action (Either "1" or "2"):

1. If you wish to change above file data, enter REC # (N)

-OTHERWISE-

2. Select Next Mask:

If You Wish:

Select

Same File	1
To Review & Change Range Availability Data	2
To Review & Change Training Aid Availability Data	3
To Review & Change Training Area Availability Data	4
To Review & Change Building Availability Data	5
To Review & Change Transportation Availability Data	6
To Review & Change REQUIREMENT FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

Systems Note: If Rec # is entered, go to appropriate change or delete ammunition availability data mask.

MASK 10.6

TRANSPORTATION AVAILABILITY FILE

<u>Rec #</u>	<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>UM</u>	<u>Source</u>
43	16	24	8	2	24
	Mode	Accommodation			

Select Next Action (Either "1" or "2"):

1. If you wish to change above file data, enter REC # (N)

-OTHERWISE-

2. Select Next Mask:

<u>If You Wish</u>	<u>Select</u>
Same File	1
To Review & Change Range Availability Data	2
To Review & Change Training Aid Availability Data	3
To Review & Change Training Area Availability Data	4
To Review & Change Building Availability Data	5
To Review & Change Transportation Availability Data	6
To Review & Change REQUIREMENT FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

Systems Note: If Rec # is entered, go to appropriate change or delete ammunition availability data mask.

MASK 10.1.1

CHANGE OR DELETE AMMUNITION AVAILABILITY DATA

<u>REC#:</u>	<u>FILE DATA</u>	<u>NEW DATA</u>
POI #	X	\$
POI File #	X	\$
DODIC	X	\$
Nomenclature	X	\$
Quantity Available	X	\$
Unit of Measure	X	\$
Source Unit	X	\$

Delete this item from the file? (Y = Yes; Blank = No) _____

Select Next Mask:

If You Wish:

Select

To Review & Change Ammunition Availability Data	1
To Review & Change Range Availability Data	2
To Review & Change Training Aid Availability Data	3
To Review & Change Training Area Availability Data	4
To Review & Change Building Availability Data	5
To Review & Change Transportation Availability Data	6
To Review & Change REQUIREMENT FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

Systems Notes:

X = From Data Base
\$ = For Operator Entry

MASK 10.2.1

CHANGE OR DELETE RANGE AVAILABILITY DATA

<u>REC#:</u>	<u>FILE DATA</u>	<u>NEW DATA</u>
POI #	X	\$
POI File #	X	\$
Range: Name	X	\$
#	X	\$
Weapon &	X	\$
# Points	X	\$
Alternate Weapon &	X	\$
# Points	X	\$
Source Unit	X	\$

Delete this item from the file? (Y = Yes; Blank = No) _____

Select Next Mask:

<u>If You Wish:</u>	<u>Select</u>
To Review & Change Ammunition Availability Data	1
To Review & Change Range Availability Data	2
To Review & Change Training Aid Availability Data	3
To Review & Change Training Area Availability Data	4
To Review & Change Building Availability Data	5
To Review & Change Transportation Availability Data	6
To Review & Change REQUIREMENT FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

Systems Notes:

X = From Data Base
\$ = For Operator Entry

MASK 10.3.1

CHANGE OR DELETE TRAINING AID AVAILABILITY DATA

<u>REC#:</u> X	<u>FILE DATA</u>	<u>NEW DATA</u>
POI #	X	\$
POI File #	X	\$
Training Aid: LIN/FSN	X	\$
Description	X	\$
Quantity Available	X	\$
Unit of Measure	X	\$
Source Unit	X	\$

Delete this item from the file? (Y = Yes; Blank = No) _____

Select Next Mask:

<u>If You Wish:</u>	<u>Select</u>
To Review & Change Ammunition Availability Data	1
To Review & Change Range Availability Data	2
To Review & Change Training Aid Availability Data	3
To Review & Change Training Area Availability Data	4
To Review & Change Building Availability Data	5
To Review & Change Transportation Availability Data	6
To Review & Change REQUIREMENT FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

Systems Notes:

X = From Data Base
\$ = For Operator Entry

MASK 10.4.1

CHANGE OR DELETE TRAINING AREA AVAILABILITY DATA

<u>REC#:</u> X	<u>FILE DATA</u>	<u>NEW DATA</u>
POI #	X	\$
POI File #	X	\$
Training Area: Name	X	\$
#	X	\$
Training Type(s)	X	\$
Unit Size	X	\$
# Unit(s)	X	\$
Alternate Unit Size	X	\$
# Unit(s)	X	\$
Source Unit	X	\$

Delete this item from the file? (Y = Yes; Blank = No) _____

Select Next Mask:

<u>If You Wish:</u>	<u>Select</u>
To Review & Change Ammunition Availability Data	1
To Review & Change Range Availability Data	2
To Review & Change Training Aid Availability Data	3
To Review & Change Training Area Availability Data	4
To Review & Change Building Availability Data	5
To Review & Change Transportation Availability Data	6
To Review & Change REQUIREMENT FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

Systems Notes:

X = From Data Base
\$ = For Operator Entry

MASK 10.5.1

CHANGE OR DELETE BUILDING AVAILABILITY DATA

<u>REC#:</u>	<u>FILE DATA</u>	<u>NEW DATA</u>
POI #	X	\$
POI File #	X	\$
Building: Name	X	\$
#	X	\$
Type Code	X	\$
<u>Type Codes:</u>		
Admin	10	Billet 40
Supply	15	Dining 45
Storage	20	General Instruction 50
Issue	25	Applied Instruction 55
Maintenance	30	Command Instruction 60
Garage	35	Laboratory 65
		Medical 70
<u>Can Accommodate:</u>		
# Students	X	\$
# Meals/24 Hrs (Dining Halls)	X	\$
# Spec Equip Sets	X	\$
Type Spec Equip	X	\$
# Vehicles	X	\$
Type Vehicles	X	\$
# Weapons	X	\$
Type Weapons	X	\$
Source Unit	X	\$

Delete this item from the file? (Y = Yes; Blank = No) _____

Select Next Mask:

<u>If You Wish:</u>	<u>Select</u>
To Review & Change Ammunition Availability Data	1
To Review & Change Range Availability Data	2
To Review & Change Training Aid Availability Data	3
To Review & Change Training Area Availability Data	4
To Review & Change Building Availability Data	5
To Review & Change Transportation Availability Data	6
To Review & Change REQUIREMENT FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

Systems Notes: X = From Data Base \$ = For Operator Entry

MASK 10.6.1

CHANGE OR DELETE TRANSPORTATION AVAILABILITY DATA

REC#: X

FILE DATA

NEW DATA

POI #	X	\$
POI File #	X	\$
Mode Code	X	\$
<u>Mode Codes:</u>		
Sedan	05	Trailer, Admin 50
Taxi	10	Trailer, Tactical 55
Bus, Commercial	15	Trailer, Water 60
Bus, Military	18	Trailer, Fuel 63
Truck, Admin	20	Track, Recovery 65
Truck, Tactical	25	Track, Resupply 70
Truck, Recovery, Admin	30	Aircraft, Fixed Wing 75
Truck, Recovery, Tactical	35	Aircraft, Rotary Wing 80
Truck, Fuel	38	Watercraft 85
Tractor, Admin	40	Hovercraft 90
Tractor, Tactical	45	Rail Car 95

Can Accomodate:

# Passengers	X	\$
# Tons of Cargo	X	\$
# Cubic Feet of Cargo	X	\$
Quantity Available	X	\$
Source Unit	X	\$

Delete this item from the file? (Y = Yes; Blank = No) _____

Select Next Mask:

If You Wish:

Select

To Review & Change Ammunition Availability Data	1
To Review & Change Range Availability Data	2
To Review & Change Training Aid Availability Data	3
To Review & Change Training Area Availability Data	4
To Review & Change Building Availability Data	5
To Review & Change Transportation Availability Data	6
To Review & Change REQUIREMENT FILE	7
To Review SHORTAGE FILE	8
To Review SURPLUS FILE	9
To Return to MAIN MENU	0

Systems Notes:

X = From Data Base

\$ = For Operator Entry

DISTRIBUTION

HEADQUARTERS, TRADOC

MG J. H. Corns
Deputy Chief of Staff for Training
Headquarters, US Army Training and Doctrine Command
ATTN: ATTG
Fort Monroe, VA 23651-5000

BG B. F. Brashears
Assistant Deputy Chief of Staff for Training
Headquarters, US Army Training and Doctrine Command
ATTN: ATTG
Fort Monroe, VA 23651-5000

COL George Imorde
Senior US Army Reserve Advisor
Headquarters, US Army Training and Doctrine Command
ATTN: ATTG-F
Fort Monroe, VA 23651-5000

COL R. M. Chesney
Director, Plans, Operations, and Mobilization Directorate
Deputy Chief of Staff for Training
Headquarters, US Army Training and Doctrine Command
ATTN: ATTG-P
Fort Monroe, VA 23651-5000

LTC Gary D. Long
Chief, Mobilization Division
Plans, Operations, and Mobilization Directorate
Deputy Chief of Staff for Training
Headquarters, US Army Training and Doctrine Command
ATTN: ATTG-P
Fort Monroe, VA 23651-5000

MAJ Peter W. O'Rourke
Mobilization Plans Officer, Mobilization Division
Plans, Operations, and Mobilization Directorate
Deputy Chief of Staff for Training
Headquarters, US Army Training and Doctrine Command
ATTN: ATTG-P
Fort Monroe, VA 23651-5000

Mr. John T. Henderson
Mobilization Plans Specialist, Mobilization Division
Plans, Operations, and Mobilization Directorate
Deputy Chief of Staff for Training
Headquarters, US Army Training and Doctrine Command
ATTN: ATTG-P
Fort Monroe, VA 23651-5000

LTC K. A. Harris
Chief, Reserve Component Training Division
Plans, Operations, and Mobilization Directorate
Deputy Chief of Staff for Training
Headquarters, US Army Training and Doctrine Command
ATTN: ATTG-P
Fort Monroe, VA 23651-5000

LTC Frank W. Meyers
Chief, Training Division Branch
Reserve Component Training Division
Plans, Operations, and Mobilization Directorate
Deputy Chief of Staff for Training
Headquarters, US Army Training and Doctrine Command
ATTN: ATTG-P
Fort Monroe, VA 23651-5000

Mr. Thomas E. Greyard III
Training Specialist
Reserve Component Training Division
Plans, Operations, and Mobilization Directorate
Deputy Chief of Staff for Training
Headquarters, US Army Training and Doctrine Command
ATTN: ATTG-P
Fort Monroe, VA 23651-5000

COL J. H. Getgood
Director
Training Accessions Management Directorate
Deputy Chief of Staff for Training
Headquarters, US Army Training and Doctrine Command
ATTN: ATTG-M
Fort Monroe, VA 23651-5000

Mr. Donald L. Skinner
Mobilization Plans Officer, Recruit Activities Branch
Training Accessions Management Directorate
Deputy Chief of Staff for Training
Headquarters, US Army Training and Doctrine Command
ATTN: ATTG-M
Fort Monroe, VA 23651-5000

COL E. D. Johnson
Director
Enlisted Training Directorate
Deputy Chief of Staff for Training
Headquarters, US Army Training and Doctrine Command
ATTN: ATTG-I
Fort Monroe, VA 23651-5000

CPT Hugh M. Denny
Chief, Policy and Resources Branch
Combat Arms Branch
Enlisted Training Directorate
Deputy Chief of Staff for Training
Headquarters, US Army Training and Doctrine Command
ATTN: ATTG-I
Fort Monroe, VA 23651-5000

Mr. B. H. Parkes, Jr.
Chief, Plans Branch
Information Systems Directorate
Deputy Chief of Staff for Information Management
Headquarters, US Army Training and Doctrine Command
ATTN: ATIM-IPP
Fort Monroe, VA 23651-5000

Mr. Grady R. Hedgepeth
Communications Specialist, Plans Branch
Information Systems Directorate
Deputy Chief of Staff for Information Management
Headquarters, US Army Training and Doctrine Command
ATTN: ATIM-IPP
Fort Monroe, VA 23651-5000

CPT Alberto A. Garcia
Plans Officer, Plans Branch
Information Systems Directorate
Deputy Chief of Staff for Information Management
Headquarters, US Army Training and Doctrine Command
ATTN: ATIM-IPP
Fort Monroe, VA 23651-5000

1LT Timothy L. Kennedy
Plans Officer, Plans Branch
Information Systems Directorate
Deputy Chief of Staff for Information Management
Headquarters, US Army Training and Doctrine Command
ATTN: ATIM-IPP
Fort Monroe, VA 23651-5000

Mr. Donald L. Walden
Computer Specialist, Project Management Branch
Information Systems Directorate
Deputy Chief of Staff for Information Management
Headquarters, US Army Training and Doctrine Command
ATTN: ATIM-ISP
Fort Monroe, VA 23651-5000

LTC Gerald Foster
Chief, Installation Division
Deputy Chief of Staff for Engineering
Headquarters, US Army Training and Doctrine Command
ATTN: ATEN-CI
Fort Monroe, VA 23651-5000

Mr. James F. Shamblen
Mobilization Planning Officer, Installation Division
Deputy Chief of Staff for Engineering
Headquarters, US Army Training and Doctrine Command
ATTN: ATEN-CI
Fort Monroe, VA 23651-5000

LTC K. W. Donovan
Chief, Reserve Affairs and Mobilization Division
Deputy Chief of Staff for Personnel, Administration, and Logistics
Headquarters, US Army Training and Doctrine Command
ATTN: ATPL-PR
Fort Monroe, VA 23651-5000

MAJ James E. Mussulman
Chief, Mobilization Branch
Reserve Affairs and Mobilization Division
Deputy Chief of Staff for Personnel, Administration, and Logistics
Headquarters, US Army Training and Doctrine Command
ATTN: ATPL-PR
Fort Monroe, VA 23651-5000

US ARMY ARMOR CENTER AND FORT KNOX

Mr. Rick Foster
Mobilization Planning Specialist
Plans, Operations and Mobilization Branch
Directorate of Plans and Training
Headquarters, US Army Armor Center and Fort Knox
Fort Knox, KY 40121

Mr. Warren Moore
Chief, Scheduling Branch
Training Division
Directorate of Plans and Training
Headquarters, US Army Armor Center and Fort Knox
Fort Knox, KY 40121

MSG Richard E. Patsfield
NCOIC, Scheduling Branch
Training Division
Directorate of Plans and Training
Headquarters, US Army Armor Center and Fort Knox
Fort Knox, KY 40121

US ARMY RESERVE TRAINING DIVISIONS AND BRIGADES

BG Marvin G. Back
Commander
70th Division (Training)
34451 Schoolcraft Road
Livonia, MI 48150-1399

MG John Ricottilli, Jr.
Commander
76th Division (Training)
700 South Quaker Lane
West Hartford, CT 06110-1292

MG William P. Sylvester, Jr.
Commander
78th Division (Training)
Kilmer USAR Center
Edison, NJ 08817-2487

MG John P. Henderson, Jr.
Commander
80th Division (Training)
6700 Strathmore Road
Richmond, VA 23237-1198

BG Vance Coleman
Commander
84th Division (Training)
4828 West Silver Spring Drive
Milwaukee, WI 53218-3498

MG Angelo D. Juarez
Commander
85th Division (Training)
1515 West Central Road
Arlington Heights, IL 60005-2475

BG George J. Vukasin
Commander
91st Division (Training)
Building 602, Fort Baker
Sausalito, CA 94965-5099

MG Harold J. Wages
Commander
95th Division (Training)
Post Office Box 10095
Midwest City, OK 73140-1095

MG Norbert J. Rappl
Commander
98th Division (Training)
2035 North Goodman Street
Rochester, NY 14609-1098

MG Roy C. Gray, Jr.
Commander
100th Division (Training)
3590 Century Division Way
Louisville, KY 40205-5000

BG Merwyn L. Jackson
Assistant Division Commander
100th Division (Training)
3590 Century Division Way
Louisville, KY 40205-5000

COL Denny O. Harris
Assistant Division Commander
100th Division (Training)
3590 Century Division Way
Louisville, KY 40205-5000

COL Byron D. Crawford
Chief of Staff
100th Division (Training)
3590 Century Division Way
Louisville, KY 40205-5000

MAJ John K. Butler
Assistant Deputy Chief of Staff G-3 for Mobilization
100th Division (Training)
3590 Century Division Way
Louisville, KY 40205-5000

MG Rudolph E. Hammond
Commander
104th Division (Training)
Building 987, Vancouver Barracks
Vancouver, WA 98661-3896

MG Charles J. Whisnant
Commander
108th Division (Training)
1412 Westover Street
Charlotte, NC 28205-5124

COL Chester R. Harris, Jr.
Commander
5th Armor Brigade (AIT)
2000 North 33rd Street
Lincoln, NE 68593

COL Joseph W. McKeever
Commander
3457th Medical Training Center
1850 Old Spanish Trail
Houston, TX 77054-2025

COL George R. Kundahl
Commander
8830th USAR Brigade (MP, AIT)
20th and Chislow
Fort Meade, MD 20755

RELATED US ARMY RESERVE COMMANDS

MG Guilford J. Wilson, Jr.
Commander
75th Maneuver Area Command
1850 Old Spanish Trail
Houston, TX 77054-2025

MG Alfred W. Porter, Jr.
Commander
87th Maneuver Area Command
1400 Golden Acorn Drive
Birmingham, AL 35244-1295

**RELATED US ARMY RESERVE
INDIVIDUAL MOBILIZATION AUGMENTEE POSITIONS**

MG Louis H. Ginn III
Deputy Commanding General for Mobilization (IMA)
Headquarters, US Army Training and Doctrine Command
ATTN: ATCS-R
Fort Monroe, VA 23651-5000

BG Lee D. Thames
Assistant Deputy Chief of Staff for Training (IMA)
Headquarters, US Army Training and Doctrine Command
ATTN: ATCS-R
Fort Monroe, VA 23651-5000

MG James C. McElroy
Deputy Commanding General for Reserve Components (IMA)
Headquarters, First US Army
ATTN: AFKA-DCG
Fort Meade, MD 20755-7000

Deputy Commanding General for Reserve Components (IMA)
Headquarters, Second US Army
Fort Gillem, GA 30050

MG Wilber J. Bunting
Deputy Commanding General for Reserve Components (IMA)
Headquarters, Fourth US Army
ATTN: AFKE-DCG
Fort Sheridan, IL 60037-7000

MG Bill C. Branson
Deputy Commanding General for Reserve Components (IMA)
Headquarters, Fifth US Army
ATTN: AFKB-DCG
Fort Sam Houston, TX 78234-7000

Deputy Commanding General for Reserve Components (IMA)
Headquarters, Sixth US Army
Presidio of San Francisco
San Francisco, CA 94129

MG Warren A. E. Magruder
Assistant Deputy Chief of Staff for Logistics for
Mobilization and Training (IMA)
Office of the Deputy Chief of Staff for Logistics
Headquarters, Department of the Army
ATTN: DALO-PLM
Washington, DC 20310-0500

MG Henry W. Meetze
Deputy Assistant Chief, Information Management (IMA)
Office of the Assistant Chief of Staff for Information Management
Headquarters, Department of the Army
ATTN: DAIM-2A
Washington, DC 20310-0700

MG Mack J. Morgan, Jr.
Assistant Deputy Chief of Staff for Mobilization and
Reserve Affairs (IMA)
Office of the Deputy Chief of Staff for Personnel
Headquarters, Department of the Army
ATTN: DAPE-XZR
Washington, DC 20310-0300

MG Donald A. Pearson
Assistant Deputy Chief of Staff for Operations and Plans for
Mobilization (IMA)
Office of the Deputy Chief of Staff for Operations
Headquarters, Department of the Army
ATTN: DAPE-ZX
Washington, DC 20310-0403

BG Elmus S. Ussery
Deputy Chief, Army Reserve (IMA)
Office of the Chief, Army Reserve
Headquarters, Department of the Army
ATTN: DAAR-ZB
Washington, DC 20310-2400

OFFICE OF THE CHIEF, ARMY RESERVE

MG William R. Berkman
Chief, Army Reserve
Headquarters, Department of the Army
ATTN: DAAR-ZA
Washington, DC 20310-2415

BG Harry J. Mott III
Deputy Chief, Army Reserve
Office of the Chief, Army Reserve
Headquarters, Department of the Army
ATTN: DAAR-ZA
Washington, DC 20310-2415

BG Paul L. Babiak
Commander
US Army Reserve Personnel Center
9700 Page Boulevard
St. Louis, MO 63132-5260

Mr. John T. Anderson
Chief, Comptroller Division
Office of the Chief, Army Reserve
Headquarters, Department of the Army
ATTN: DAAR-CO
Washington, DC 20310-2415

COL Robert F. Bowers
Chief, Logistics Division
Office of the Chief, Army Reserve
Headquarters, Department of the Army
ATTN: DAAR-LO
Washington, DC 20310-2415

Mr. Roy S. Brandon
Chief, Automation Management/ARMIS Office
Office of the Chief, Army Reserve
Headquarters, Department of the Army
ATTN: DAAR-AM
Washington, DC 20310-2415

COL Eugene M. Brisach
Chief, Personnel Division
Office of the Chief, Army Reserve
Headquarters, Department of the Army
ATTN: DAAR-PE
Washington, DC 20310-2415

COL J. Larry Green
Chief, Mobilization and Force Modernization Division
Office of the Chief, Army Reserve
Headquarters, Department of the Army
ATTN: DAAR-FMF
Washington, DC 20310-2415

COL Bert J. Terrazas
Chief, Training Division
Office of the Chief, Army Reserve
Headquarters, Department of the Army
ATTN: DAAR-TR
Washington, DC 20310-2415

US ARMY WAR COLLEGE

COL Franklin D. Alexander
Director, Personnel Management Systems
US Army War College
Carlisle Barracks, PA 17013-5050

COL William L. Carew
Director, Mobilization Studies
US Army War College
Carlisle Barracks, PA 17013-5050

COL Robert E. Elmore, Jr.
Army Reserve Advisor
US Army War College
Carlisle Barracks, PA 17013-5050

COL Edward J. Glabus
Director, Force Readiness Systems Management
US Army War College
Carlisle Barracks, PA 17013-5050

COL W. A. Helzmann III
Director, Materiel Systems Management
US Army War College
Carlisle Barracks, PA 17013-5050

COL Lawrence W. Hoffman
Chairman, Department of Command, Leadership, and Management
US Army War College
Carlisle Barracks, PA 17013-5050

LTC(P) Robert A. Holden
Director, Force Structure and Mobilization Management
US Army War College
Carlisle Barracks, PA 17013-5050

Mr. Robert J. Stevens
Operations Research Analyst
US Army War College
Carlisle Barracks, PA 17013-5050

END
DITIC

7-86