

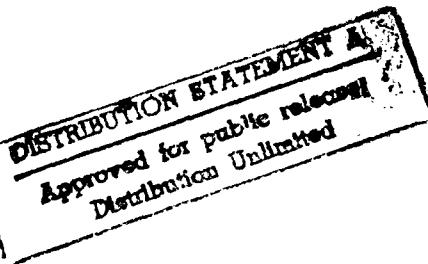
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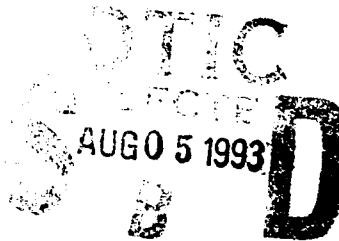


## DEPARTMENT OF DEFENSE

# WARTIME MANPOWER PLANNING SYSTEM ADP SYSTEM USERS MANUAL



MARCH 1987



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DEPUTY ASSISTANT SECRETARY OF DEFENSE  
(MOBILIZATION PLANNING AND REQUIREMENTS)

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This Manual describes the computer software used in connection with the Wartime Manpower Mobilization Planning System (WARMAPS). It details the WARMAPS ADP system application, operation, organization, and performance and provides illustrations of output reports and terminal displays.

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AND PERSONNEL

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FOREWORD

This Manual is issued under the authority of DoD Instruction 1100.19, "Wartime Manpower Mobilization Planning Policies and Procedures," February 20, 1986. It supersedes DoD 1100.19-M, June 1983 and its purpose is to provide guidance in the operation of the "Wartime Mappower Mobilization Planning System (WARMAPS)".

This Manual applies to the Office of the Secretary of Defense (OSD), the Military Departments, the Coast Guard (by agreement), and the Defense Agencies (hereafter referred to as "DoD Components").

This Manual is effective immediately and is for use by the above DoD Components. Heads of DoD Components may issue supplementary instructions only when necessary to provide for unique requirements within their respective Components.

Send recommended changes to the Manual through channels to:

Deputy Assistant Secretary of Defense  
(Mobilization Planning & Requirements)  
Office of the Secretary of Defense  
Washington, D.C. 20301-4000

DoD Components may obtain copies of this Manual through their own publication channels. Other Federal Agencies and the public may obtain copies from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Va 22161.

*V.O. Lang.*

LTG V. O. Lang, USA  
Deputy Assistant Secretary  
Mobilization Planning & Requirements

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CHAPTER 1  
GENERAL INFORMATION

A. PURPOSE

This Manual provides guidance to users of the Wartime Manpower Mobilization Planning System (WARMAPS) for processing wartime manpower data and should be used in conjunction with the current issue of DoD 1100.19-H.

B. BACKGROUND

The system was developed by the Office of the Deputy Assistant Secretary of Defense (Mobilization Planning and Requirements) (DASD(MP&R)) and is operated at the 1st Information Systems Group (1ISG) Multiplexed Information and Computing System (MULTICS) computer terminal remote site in Room 2D279, The Pentagon. WARMAPS was developed to establish consistent DoD-approved requirements and availability objectives. The data processed by the system provide the basis for compiling, computing, comparing, presenting, and justifying wartime demand and supply for DoD manpower.

C. SECURITY

Within the system: the operating programs are unclassified; the execution environment is SECRET; the security classifications of military manpower data are determined by the Military Services on a case by case basis in accordance with DoD 5200.1-R; and, the civilian manpower data are usually unclassified.

## CHAPTER 2

### SYSTEM SUMMARY

#### A. SYSTEM APPLICATION

1. WARMAPS consists of a military subsystem and a civilian subsystem. Data for each subsystem are developed by the DoD Components for submission to the system.

2. The system software provides users with the capability to perform the following functions:

- a. Construct a WARMAPS data base from DoD Component data submissions (from magnetic tape or by direct key entry).
- b. Check a WARMAPS data base for errors.
- c. Modify a WARMAPS data base to correct data values and to add or delete data records.
- d. Adjust manpower data values to reflect user-desired changes.
- e. Query a WARMAPS data base.
- f. Generate selected output reports.

3. All functions are performed in an interactive fashion by the user while engaged in a MULTICS terminal session.

#### B. SYSTEM OPERATION

All system functions are controlled by the user by way of interactive sessions at a MULTICS terminal. The system can be operated using any terminal connected to the IISG MULTICS. The system uses the remote line printer or laser page printer located at the MULTICS site for producing hard copy reports.

#### C. SYSTEM ORGANIZATION

1. The system is menu driven. The menus and other terminal displays with appropriate responses are discussed in Appendix E and Appendix H. Appendix A is a set of flow charts illustrating system organization.

- a. Figure A-1 illustrates the overall WARMAPS military manpower processing cycle.
- b. Figure A-2 shows the relationship of the functional parts of the military Automated Data Processing (ADP) subsystem that a user controls to process military manpower data.
- c. Figure A-3 illustrates the overall WARMAPS civilian manpower processing cycle.

d. Figure A-4 shows the relationship of the functional parts of the civilian ADP subsystem that a user controls to process civilian manpower data.

e. Figure A-5 shows the construction of the civilian manpower data base.

2. The numbers in the corners of the boxes in Figures A-2 and A-4 correspond to options that are displayed on the main military or civilian manpower subsystem menus.

#### D. SYSTEM PERFORMANCE

Figure B-1 illustrates the WARMAPS User Directories and Figure B-2 shows a number of important MULTICS commands used in the operation of WARMAPS.

##### 1. Military Manpower Subsystem

a. Input. The system receives military manpower data from the Military Services each year during the Program Objectives Memorandum (POM) reporting period. A major update is performed on these data just before the President's Budget is finalized. The Component submissions for each year contain data for the beginning and ending year of a five-year period (corresponding to the Five Year Defense Program (FYDP)). The maximum file size of any Component submission is currently about 2000 records for each of the two years.

b. Output. The reports displayed in Appendix C are produced by the system. These products are generated during the POM reporting period, as the data base is being updated, and during other periods upon request.

c. Processing time. Typical processing times for military manpower processing functions (Appendix E) are listed below:

(1) Loading a Component input tape into a MULTICS segment--average run time: 1 minute.

(2) Building the military manpower data file--average run time: 1 minute.

(3) Editing the military manpower data to detect errors--average run time: 1 minute.

(4) Updating the military manpower file--run time: depends on the number of records to be manipulated.

(5) Generating reports (Appendix C)--average run time: 3 minutes.

d. Error correction. The raw data submitted by the Components usually have errors or invalid data in a few of the records. These errors are displayed in an error report (Appendix D) produced during editing. They can be corrected by the user with system routines.

## 2. Civilian Manpower Subsystem

a. Input. The system receives current civilian manpower data from the Military Services, Joint Chiefs of Staff, and Defense Agencies every 2 years, as directed by DASD(MP&R) in conjunction with a mobilization planning review. These reviews are usually timed to precede a scheduled civilian mobilization mini-exercise or the biennial federal mobilization exercise. To date, the maximum file size of any Component submission has been less than 165,000 records.

b. Output. The reports displayed in Appendix F are produced by the system. These reports are generated during new data base development, exercise reporting periods, and during other periods upon request.

c. Processing time. Processing times for civilian manpower processing functions (Appendix H) are highly variable, depending upon the size of the file and the computer system load. Most operations on small files (e.g. Defense Agencies) take less than a minute. Sorting and preparing reports on the largest files (e.g. Army or Air Force) can take over an hour.

d. Error correction. The tapes submitted by the Components may contain errors or invalid data. These errors are displayed in the error report (Appendix G) produced during editing. Errors can then be corrected by the user with system routines.

## E. DATA BASE

### 1. Military Manpower Subsystem

a. The military manpower data base consists of a single file for each Service that is used for report generation. The file contains records with the following elements:

year  
component  
table  
theater  
manpower category  
manpower type  
time phased manpower data (demand and supply)

b. These elements are explained in detail in DoD 1100.19-H, "Wartime Manpower Program Guidance."

### 2. Civilian Manpower Subsystem

a. The civilian manpower data base consists of a single file for each Military Service and Defense Agency that is used for report generation. The file contains records with the following elements:

component  
location  
theater  
region  
unit  
employment category  
occupation  
Integrated Defense Occupational Stratification (IDOS)  
pay plan  
grade  
time phased manpower data (demand and supply)

b. These elements are explained in detail in DoD 1100.19-H, "Wartime Manpower Program Guidance."

## F. INPUTS, PROCESSING, AND OUTPUTS

### 1. Military Manpower Subsystem

a. Inputs. DoD Components submit military manpower data either on magnetic tape or through direct key entry via MULTICS terminals. After the system generates output reports, DoD Components annotate the reports for desired changes in the manpower data. The annotated reports are then returned and appropriate changes are made to the data base.

b. Processing. The system performs the following functions on the data submitted by the Components:

- (1) Transforms the Component input data submission into the internal file format.
- (2) Edits the military manpower data file for errors and prepares it for report generation.
- (3) Updates the data file (add, delete, or correct records), as needed.
- (4) Generates selected reports according to users' requests.

c. Outputs. The users can produce the reports shown in Appendix C.

### 2. Civilian Manpower Subsystem

a. Inputs. DoD Components submit civilian manpower data either on magnetic tape, IBM PC-compatible floppy diskette or through direct key entry via MULTICS terminals. After the file is constructed, error checks are performed and output reports are generated. These reports are reviewed and annotated to assist the Component in diagnosing illogical and invalid data.

b. Processing. The system performs the following functions on the data submitted by the Components:

- (1) Transforms the Component input data submission into the internal file format.

(2) Checks the civilian manpower data file for errors and compiles an error report.

(3) Updates the data file with the users' corrections, additions, or deletions.

(4) Creates sorted files for report generation.

(5) Generates selected reports according to users' requests.

c. Outputs. The users can produce the reports shown in Appendix F.

## CHAPTER 3

### STAFF PROCEDURES

#### A. INITIATION

1. DoD Instruction 1100.19 directs the preparation and submission of WARMAPS data in conjunction with the DoD Planning, Programming, and Budgeting System (PPBS) calendar (military manpower data) or with a scheduled mobilization exercise (civilian manpower data). The DASD(MP&R) issues specific data preparation guidance and a data submission suspense date to DoD Components before these events. The WARMAPS processing cycle is initiated upon the receipt of DoD Components' WARMAPS data. In addition, it may be initiated at the request of any Component.
2. To use the WARMAPS software for entering data and getting WARMAPS program output, the user must obtain: access to the MULTICS site (Room 2D279, Pentagon); a user identification; and, a password. For the routine processing of WARMAPS data in conjunction with an established requirement for submission (POM/President's Budget/Mobilization Exercise), DASD(MP&R) will provide the appropriate project access (project designator, space, storage, programs). When a DoD Component wishes to perform unique or extraordinary WARMAPS processing, special arrangements must be made with the DASD(MP&R) WARMAPS official for the reimbursement of processing costs. In either case, the procedure for obtaining access to MULTICS is shown below:
  - a. Provide evidence of security clearance to OASD(FM&P). While a SECRET clearance is sufficient to be granted access to all WARMAPS programs and data files, personnel with SECRET clearances are restricted in their use of the MULTICS site. One or two terminals in a supervised area are provided as available. Access to all terminals and the areas where special color graphics equipment, printers, and other support equipment are available requires a TOP SECRET clearance.
  - b. Submit a letter to DASD(MP&R) requesting access to the MULTICS site and registration onto the WARMAPS project.
  - c. After allowing enough time for administrative processing of the request (normally 5 working days), request that the DASD(MP&R) official make an appointment with the MULTICS site manager (Room 2D279, Pentagon) to obtain a user identification and a password.
  - d. After obtaining a user identification and a password, contact with the WARMAPS ADP system team must be made so that proper access may be given for using the WARMAPS software and files. Contact the WARMAPS team in Room B104, the Cafritz Building, telephone: 697-5244/5/6. In order to understand basic MULTICS operations and the procedures that are necessary for WARMAPS processing, an "Introduction to MULTICS Users Manual" will be provided for review.
  - e. For any DoD Component-unique tests, experiments, or other data excursions, the Component must establish a new project with designator, space, storage, program, and funding.

## B. INPUT PROCESSING

MULTICS is a timesharing system whose normal mode of operation is interactive. This means that all commands or programs executed by the user are processed immediately. MULTICS is designed to be easy to use for analysts with little ADP background. It features a simple command language that can be learned quickly. The file storage system on MULTICS is arranged logically into directories so that each project (such as WARMAPS) has its own directory for storing files. In addition, a unique directory is provided for each user for that project. The WARMAPS project directory arrangement is shown in Figure B-1. All work on the WARMAPS project is performed in various working directories under the "WARMAPS" directory. Some of the more common MULTICS commands used in conjunction with WARMAPS processing are shown in Figure B-2.

## C. OUTPUT GENERATION

After entering the directory and initiating the WARMAPS software, all options are controlled by the user by selecting options on various menus. Some options that are selected will execute programs that will require the user to answer a series of questions. Appendices E and H display the key menus and illustrate program questions with appropriate user responses. Sample output products are displayed in Appendices C and F.

**APPENDIX A**  
**WARMAPS: SYSTEM ORGANIZATION (FLOWCHARTS)**

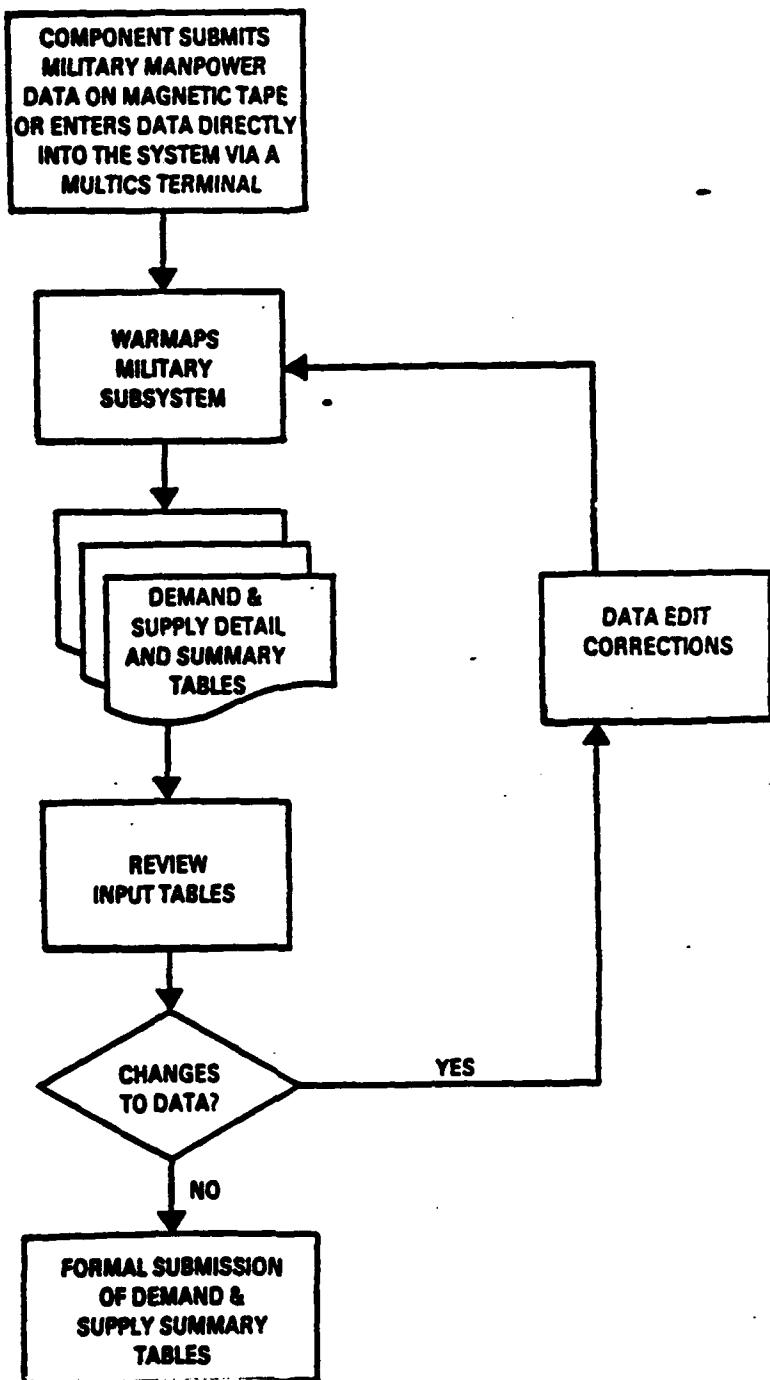
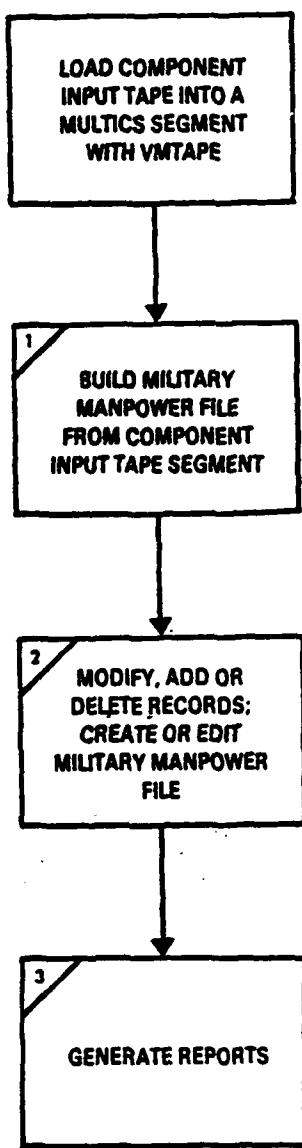


Figure A-1. WARMAPS: Overall Military Manpower Processing Cycle



**NOTES:**

- VMTAPE is a MULTICS utility program that will read a tape into a user-specified MULTICS segment.
- The numbered boxes correspond to the menu options shown in Figure E-2.

Figure A-2. WARMAPS: Military ADP Subsystem

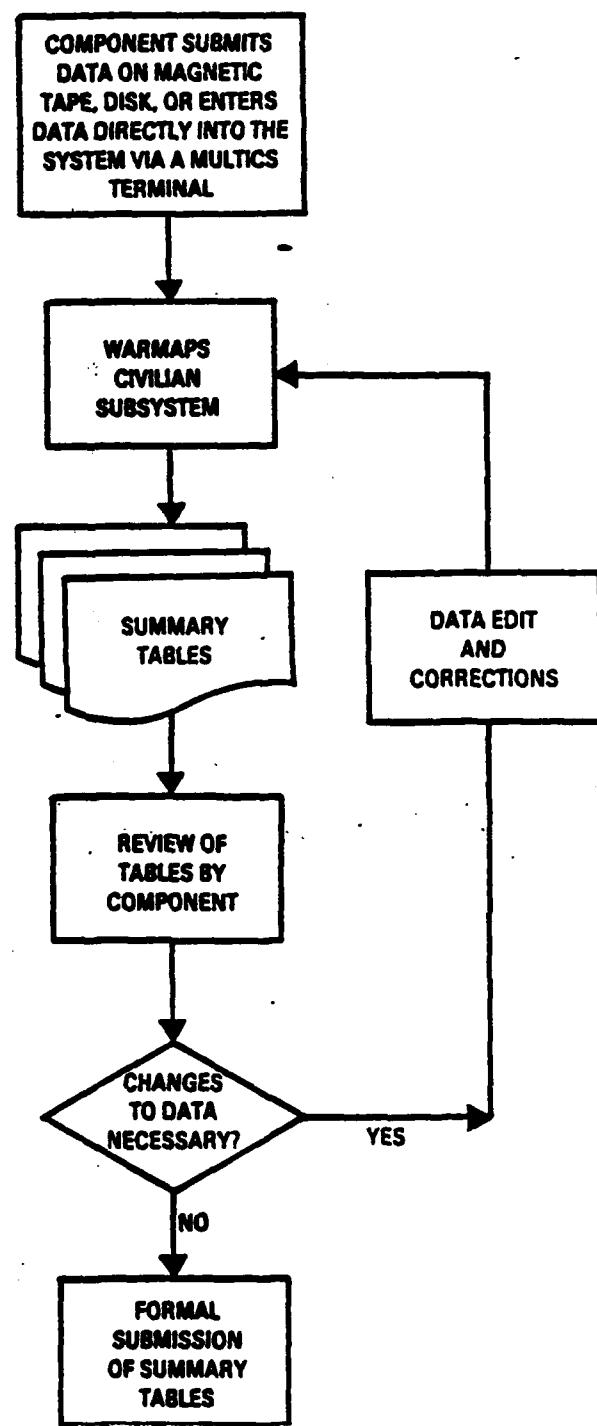
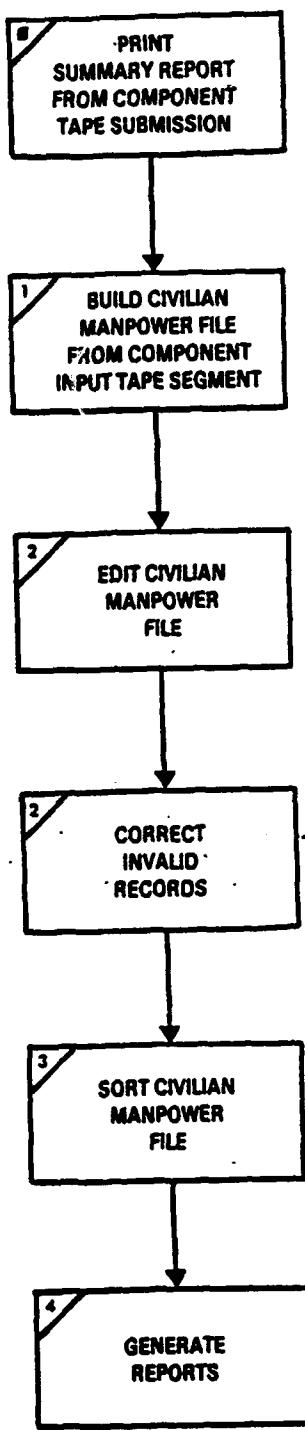


Figure A-3. WARMAPS: Overall Civilian Manpower Processing Cycle



**NOTE:**

Numbered boxes correspond to menu items in Figure H-2

**Figure A-4. WARMAPS: Civilian ADP Subsystem**

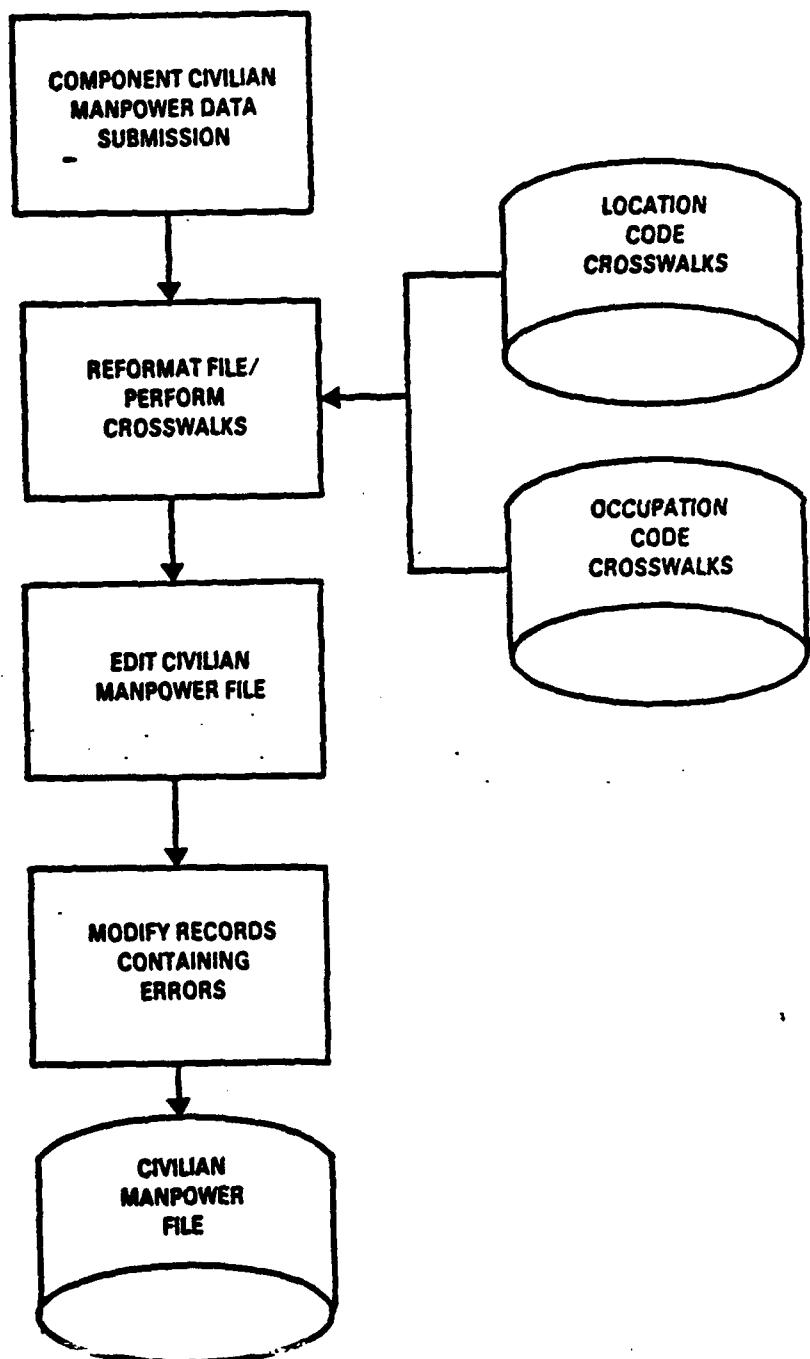
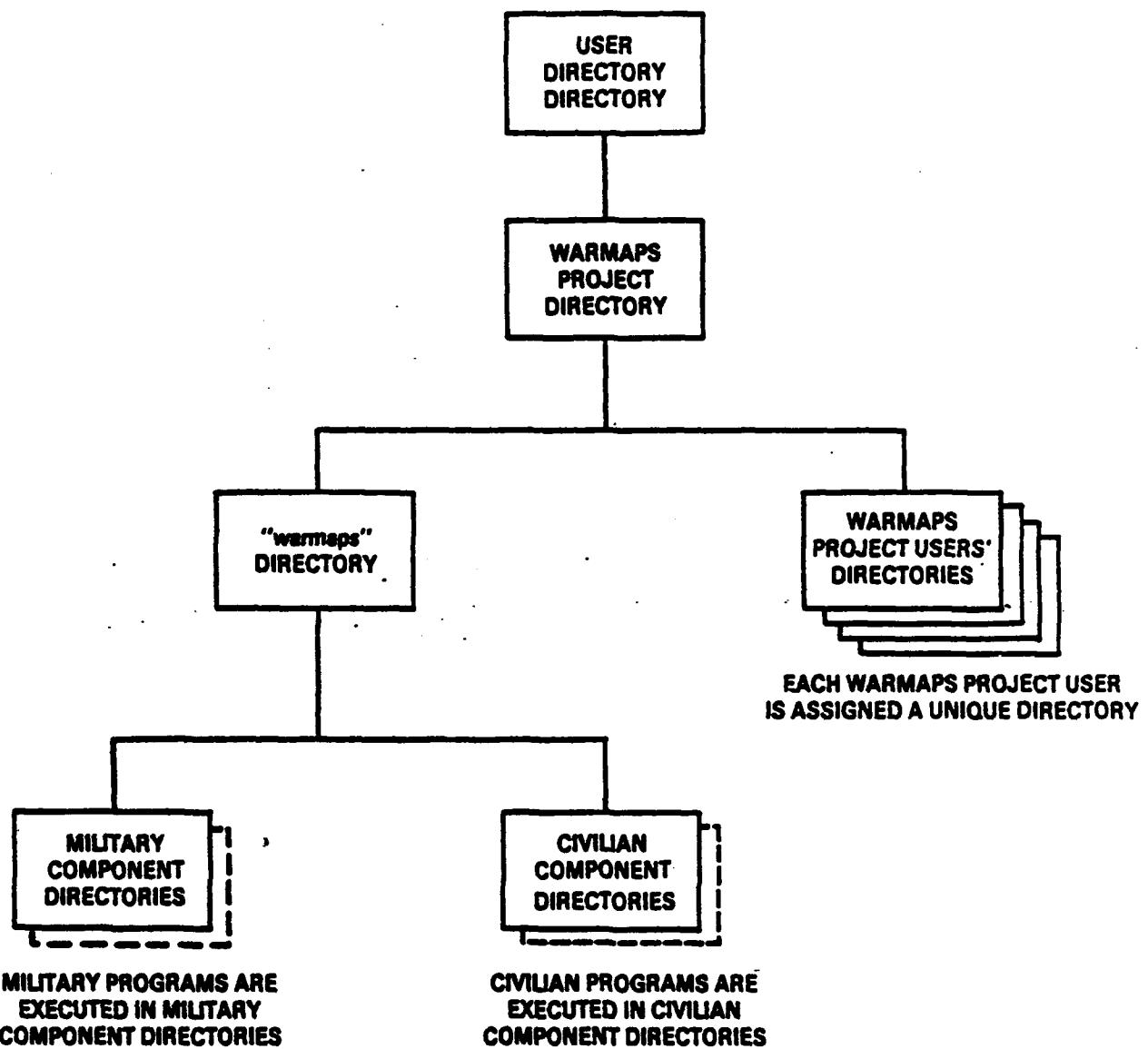


Figure A-5. WAMMAPS: Civilian Manpower Data Base Construction

**APPENDIX B**  
**WARMAPS: SYSTEM PERFORMANCE (MULTICS)**



**Figure B-1. WARMAPS: MULTICS Hierarchy of WARMAPS Directories**

USER DESIRED ACTION	COMMAND
1. To log into the system -	1. login user_id  For instance, if your user_id were Sinkfield, you would type "login Sinkfield" and the system will prompt you for your password.
2. To get into the warmaps directory to process WARMAPS data -	2. cwd >udd>WARMAPS>warmaps
3. To list th: available military manpower data bases -	3. ls**.pom
4. To list th: available civilian manpower data bases -	4. ls**.civ
5. To cancel the line you are currently typing -	5. @
6. To cancel the previous character typed -	6. #
7. To execute the WARMAPS software and enter the initial menu (Figure E-1)	7. warmaps
8. To print a military report on the printer located in room 2D27C. (This uses the system default to classify the report SECRET).	8. rlp -q 3 report name
9. To print a civilian report on the printer located in room 2D27C. (This specifies an UNCLASSIFIED report).	9. rlp -q 3 -c u report name

Figure B-2. MULTICS User Commands

**APPENDIX C**  
**MILITARY MANPOWER SUBSYSTEM: SAMPLE REPORTS**

TABLE B - FORCE STRUCTURE DYNAMICS (DEMAND)  
SERVICE FOR '99  
THEATER

	ACTIVE GUARD RES	ACTIVE GUARD RES	ACTIVE GUARD RES	N-DAY	M+10	M+20	M+30	M+40	M+50	M+60	M+90	M+120	M+150	M+180
<b>MANPOWER AUTHORIZED BY UNITS</b>														
Total Officers														
Total Enlisted														
Total Manpower														
<b>ADDITIONAL MANPOWER REQUIRED</b>														
Total Officers														
Total Enlisted														
Total Manpower														
<b>MANPOWER FROM INACTIVE UNITS</b>														
Total Officers														
Total Enlisted														
Total Manpower														
<b>C-1 MANPOWER FROM RESERVE UNITS</b>														
Total Officers														
Total Enlisted														
Total Manpower														
<b>REDUCTIONS DUE TO LOSS EQUIPMENT</b>														
Total Officers														
Total Enlisted														
Total Manpower														
<b>MILITARY REPLACES BY CIVILIANS</b>														
Total Officers														
Total Enlisted														
Total Manpower														
<b>CIVILIANS REPLACES BY MILITARY</b>														
Total Officers														
Total Enlisted														
Total Manpower														

C-1

Figure C-1. Table B - Force Structure Dynamics (Demand)

**TABLE B - FORCE STRUCTURE DYNAMICS (DEMAND)**  
**SERVICE PON 99**  
**THEATER**

	- 8-DAY -			- 4-DAY -		
	A. GUARD REG TMA	ACTIVE GUARD REG	ACTIVE GUARD REG	N+10	N+20	N+30
<b>MANPOWER FOR DEMAND : UNITS</b>						
Total Officers						
Total Rallied						
Total Manpower						
<b>TRANSFERS OUT OF THE AREA</b>						
Total Officers						
Total Rallied						
Total Manpower						
<b>FORCE STRUCTURE ALL : UNITS (CONT)</b>						
Total Officers						
Total Rallied						
Total Manpower						
<b>MANPOWER MOBILIZATION / INCREMENT</b>						
Total Officers						
Total Rallied						
Total Manpower						

**Figure C-1 (Cont.). Table B - Force Structure Dynamics (Demand)**

**TABLE C - REPLACEMENT DYNAMICS (DEMAND)**

Service per 99

THEATER

	N-DAY	N+10	N+20	N+30	N+40	N+50	N+60	N+70	N+80	N+90	N+100	N+110	N+120	N+130	N+140
--	-------	------	------	------	------	------	------	------	------	------	-------	-------	-------	-------	-------

**KCOMA**

Total Officers  
Total Relisted  
Total Manpower

MIA Admissions  
Total Officers  
Total Relisted  
Total Manpower

DAILY ABSENCES  
Total Officers  
Total Relisted  
Total Manpower

**DESERTERS**

Total Officers  
Total Relisted  
Total Manpower

**RETURNS FROM PATIENTS**

Total Officers  
Total Relisted  
Total Manpower

**RETURNS FROM DESERTERS AND MIA'S**

Total Officers  
Total Relisted  
Total Manpower

**PATIENTS REMAINING (NON-AD)**

Total Officers  
Total Relisted  
Total Manpower

**Figure C-2. Table C - Replacement Dynamics (Demand)**

TABLE C - REPLACEMENT DYNAMICS (DEMAND)  
SERVICE PGM 99  
THEATER

	M-DAY	R+10	R+20	R+30	R+40	R+50	R+60	R+90	R+120	R+150	R+180
--	-------	------	------	------	------	------	------	------	-------	-------	-------

**PATIENTS EVACUATED (non-add)**

Total Officers  
Total Enlisted  
Total Ensigns

**DISEASED WORKERS (non-add)**

Total Officers  
Total Enlisted  
Total Ensigns

**MEDICAL DISCHARGES (non-add)**

Total Officers  
Total Enlisted  
Total Ensigns

**REFUGEE DEMANDS**

Total Officers  
Total Enlisted  
Total Ensigns

**REPLACMENT DEMANDS (adjusted for transient time)**

Total Officers  
Total Enlisted  
Total Ensigns

Figure C-2 (Cont.). Table C - Replacement Dynamics (Demand)

TABLE H - STRUCTURE STRENGTHS (SUPPLY)  
SERVICE POM 99

	PRE-3-DAY			3-DAY			N-DAY			ACTIVE GUARD RES TNA			
	ACTIVE	GUARD	RES	IMA	ACTIVE	GUARD	RES	N+10	N+20	N+30	N+40	N+50	N+60
FORCZ STRUCTURE ALLOCANCE - ACTIVE													
Total Officers													
Total Enlisted													
Total Manpower													
FORCZ STRUCTURE DEVILITION - ACTIVE													
Total Officers													
Total Enlisted													
Total Manpower													
HANPOWERS TO BE TRAINED:													
Total Officers													
Total Enlisted													
Total Manpower													
FORCZ STRUCTURE ALLOCANCE - SELECTED RESERVE													
Total Officers													
Total Enlisted													
Total Manpower													
FORCZ STRUCTURE DEVILITION - SELECTED RESERVE													
Total Officers													
Total Enlisted													
Total Manpower													
200K CALL UP													
Total Officers													
Total Enlisted													
Total Manpower													
PARTIAL MOBILIZATION CALL UP													
Total Officers													
Total Enlisted													
Total Manpower													

Figure C-3. Table H - Structure Strengths (Supply)

TABLE H - STRUCTURE STRENGTHS (SUPPLY)  
SERVICE FORM 99

	3-DAY			5-DAY			N-DAY		
	AC. INV	GUARD	RES	INA	ACTIVE	GUARD	RES	INA	ACTIVE
TRAINERS									
Total Officers									
Total Enlisted									
Total Manpower									
NO-SHOTS									
Total Officers									
Total Enlisted									
Total Manpower									
TRAINED (NON-UNIT) 1 INDIVIDUALS									
Total Officers									
Total Enlisted									
Total Manpower									
FORCE STRUCTURE STRENGTH - ACTIVE									
Total Officers									
Total Enlisted									
Total Manpower									
FORCE STRUCTURE STRENGTH - SELECTED RESERVE									
Total Officers									
Total Enlisted									
Total Manpower									
TRAINED (NON-UNIT) INDIVIDUALS (CUM)									
Total Officers									
Total Enlisted									
Total Manpower									

Figure C-3 (Cont.). Table H - Structure Strengths (Supply)

TABLE J - TRAINING DYNAMICS (SUPPLY)

	ACTIVE GUARD RES	NON-DAY ACTIVE	N+10	N+20	N+30	N+40	N+50	N+60	N+90	N+120	N+150	N+180
<b>TRAINING AT STAFF:</b>												
Total Officers												
Total Enlisted												
Total Manpower												
<b>NON POLICE SERVICE: (NPS) ACCESSIONS</b>												
Total Officers												
Total Enlisted												
Total Manpower												
<b>NON POLICE SERVICE: (NPS) ACCESSIONS SOURCE RESULTS</b>												
Total Officers												
Total Enlisted												
Total Manpower												
<b>CURRENT SERVICE: (C) ACCESSIONS</b>												
Total Officers												
Total Enlisted												
Total Manpower												
<b>POLICE SERVICE ACCESSIONS - (INC)</b>												
Total Officers												
Total Enlisted												
Total Manpower												
<b>POLICE SERVICE ACCESSIONS - (IND)</b>												
Total Officers												
Total Enlisted												
Total Manpower												
<b>POLICE SERVICE ACCESSIONS - (IND)</b>												
Total Officers												
Total Enlisted												
Total Manpower												

Figure C-4. Table J - Training Dynamics (Supply)

TABLE J - TRAINING DYNAMICS (SUPPLY)

SERVICE FOR 99

	ACTIVE GUARD REPS	3-DAY ACTIVE	5-DAY ACTIVE	M+10	M+20	M+30	M+40	M+50	M+60	M+90	M+120	M+150	M+180
--	-------------------	--------------	--------------	------	------	------	------	------	------	------	-------	-------	-------

POLICE SERVICE ACCESSIONS - (MIA)

Total Officers  
Total Sailors  
Total Marines

POLICE SERVICE ACCESSIONS - (POL)

Total Officers  
Total Sailors  
Total Marines

TRAINING ATTENDANCE

Total Officers  
Total Sailors  
Total Marines

TRAINING CENTER PT (MPC)

Total Officers  
Total Sailors  
Total Marines

TRAINING CENTER (CSC)

Total Officers  
Total Sailors  
Total Marines

TRAINING CENTER (IMC)

Total Officers  
Total Sailors  
Total Marines

TRAINING CENTER (IMA)

Total Officers  
Total Sailors  
Total Marines

Figure C-4 (Cont.). Table J - Training Dynamics (Supply)

Figure C-4 (Cont.). Table J - Training Dynamics (Supply)

TABLE J - TRAINING DYNAMICS (SUPPLY)  
SERVING PERIOD 99

	PRE-8-DAY	N-DAY	
ACTIVE	GUARD	RES	ACTIVE
			M+10 M+20 M+30 M+40 M+50 M+60 M+90 M+120 M+150 M+180

#### TRAINING OUTPUT (HRD)

Total Officers

Total Rallied

Total Maspower

#### TRAINING OUTPUT (HRD)

Total Officers

Total Rallied

Total Maspower

#### TRAINING OUTPUT (VOL.)

Total Officers

Total Rallied

Total Maspower

#### TRAINING AT 800

Total Officers

Total Rallied

Total Maspower

#### TRAINING INCUBUS TOTAL CHANCE

Total Officers

Total Rallied

Total Maspower

TABLE K - PRETRAINED INDIVIDUALS (SUPPLY)  
SERVICE POW 99

	PRE-S-DAY	S-DAY	M-DAY	
	GUARD RES	GUARD RES	GUARD RES	
<b>INACTIVE NATIONAL GUARD (ING)</b>				
Total Officers				
Total Enlisted				
Total Manpower				
<b>INDIVIDUAL READY TO SERVE (IRS)</b>				
Total Officers				
Total Enlisted				
Total Manpower				
<b>RETIRING PERSONNEL</b>				
Total Officers				
Total Enlisted				
Total Manpower				
<b>STANDBY RESERVE</b>				
Total Officers				
Total Enlisted				
Total Manpower				
<b>VOLUNTEER VETERANS</b>				
Total Officers				
Total Enlisted				
Total Manpower				
<b>PRETRAINED INDIVIDUAL SUPPLY</b>				
Total Officers				
Total Enlisted				
Total Manpower				

Figure C-5. Table K - Pretrained Individuals (Supply)

TABLE S1 - MANPOWER DEMAND  
SERVICES FOR 99  
TOTAL MANPOWER  
(CUMULATIVE)

	N+10	N+20	N+30	N+40	N+50	N+60	N+70	N+80	N+90	N+100	N+110
<b>PKS-8 8-DAY N-DAY</b>											

FORCE STRUCTURE ALLOWANCES											
THEATER											
U.S.											
Active											
Guard											
Reserve											
IMA											
Europe											
North East Asia											
South East Asia											
NON-THEATER											
Active											
Guard											
Reserve											
IMA											
<b>U.S. DEPLOYING</b>											
Active											
Guard											
Reserve											
IMA											
<b>U.S. FMS-EXPLOITING</b>											
Active											
Guard											
Reserve											
IMA											
SCU											
Active											
Guard											
Reserve											
IMA											

Figure C-6. Table S1 - Manpower Demand

total population  
(continued)

**Figure C-6 (Cont.). Table S1 – Manpower Demand**

TABLE S2 - MANPOWER SUPPLY  
SERVICE FOR 99  
TOTAL MANPOWER  
(CUMULATIVE)

	PER-1 DAY	M-20	M-40	M-50	M-60	M-90	M-120	M-150	M-180
--	-----------	------	------	------	------	------	-------	-------	-------

FORCES IN ACTIVE DUTY

FORCES IN ACTIVE DUTY  
Active  
Guard  
Reserve  
Total

TRAINING CENTER (CG)

TRAINING CENTER

PARTIAL INSTRUCTORS  
Inactive, National Guard  
Individual Ready Reserve  
Retired Personnel  
Standby Reserve  
Volunteer Veterans

TRAINED INDIVIDUALS

FORCES IN ACTIVE OVER/STANDBY

FORCES IN ACTIVE OVER/STANDBY

TRAINING CENTER DEMAND  
Force Structure Supply  
Trained (over-stan) Individuals

TRAINED MANPOWER SUPPLY

TRAINING CENTER OVER/STANDBY

TOTAL INACTIVE PERSONNEL  
Trained Manpower Supply  
Trained e

TOTAL MANPOWER SUPPLY

TOTAL MANPOWER OVER/STANDBY

Figure C-7. Table S2 - Manpower Supply

TABLE S3 - MANPOWER SHORTFALL  
SERVICE PQM 99  
TOTAL MANPOWER  
(CUMULATIVE)

PRE-S S-DAY M-DAY		M+10	M+20	M+30	M+40	M+50	M+60	M+90	M+120	M+150	M+180
-------------------	--	------	------	------	------	------	------	------	-------	-------	-------

FORCE STRUCTURE DEMAND  
Active  
Guard  
Reserve  
IMA

THEATER  
Europe  
Northeast Asia  
Southwest Asia

NON-THEATER  
U.S.  
ROW

FORCE STRUCTURE DEMAND

FORCE STRUCTURE FIELD  
Active  
Guard  
Reserve  
IMA

LOSSES

CASUALTIES  
THEATER (adj)  
Europe (act.)  
Northeast Asia (adj)  
Southwest Asia (adj)  
NON-THEATER  
U.S.  
ROW

TO TRAINING  
TO THS

Figure C-8. Table S3 - Manpower Supply

TABLE S3 - MANPOWER SHORTFALL  
SERVICE PCN 99  
TOTAL MANPOWER  
(CUMULATIVE)

	PRE-S	S-DAY	N-DAY	M+10	M+20	M+30	M+40	M+50	M+60	M+90	M+120	M+150	M+180
<b>GAINS</b>													
FROM PATIENTS													
FROM TRAINING													
FROM TTS													
TRAINED INDIVIDUALS													
Inactive National Guard													
Individual Ready Reserve													
Retired Personnel													
Standby Reserve													
Volunteer Forces													
FORCE STRUCTURE SUPPLY													
FORCE STRUCTURE OVER/SHORT													
TRAINED MANPOWER DEMAND													
TRAINED MANPOWER SUPPLY													
Force Structure Supply													
Trained (non-unit) Individuals													
TRAINED MANPOWER OVER/SHORT													
TOTAL MANPOWER DEMAND													
TOTAL MANPOWER SUPPLY													
Trained Manpower Supply													
Trainees													
TOTAL MANPOWER OVER/SHORT													

Figure C-8 (Cont.). Table S3 - Manpower Supply

**APPENDIX D**  
**MILITARY MANPOWER SUBSYSTEM: ERROR REPORT**

MILITARY MANPOWER PLANNING SUBSYSTEM  
ERROR REPORT

Page 1

RECORD NUMBER	IDENTIFICATION ATTRIBUTES	ERROR DESCRIPTION	ERRONEOUS VALUE
2	Year : "38" Component : "N" Spec : "-2"	Table : "B" Theater : "D" Category : "01" Type : "-E"	"38"
7	Year : "39" Component : "J" Spec : "-2"	Table : "B" Theater : "E" Category : "02" Type : "-O"	"39" "Invalid Year"
24	Year : "39" Component : "N" Spec : "-2"	Table : "B" Theater : "R" Category : "01" Type : "-Y"	"39" "Invalid Component"
66	Year : "39" Component : "N" Spec : "-2"	Table : "G" Theater : "K" Category : "10" Type : "-E"	"39" "Invalid Manager Type"
72	Year : "39" Component : "D" Spec : "-2"	Table : "C" Theater : "S" Category : "03" Type : "-E"	"39" "Invalid Table"
77	Year : "37" Component : "N" Spec : "-2"	Table : "C" Theater : "S" Category : "10" Type : "-O"	"37" "Invalid Year"

Figure D-1. Military Manpower Planning Subsystem Error Report

**APPENDIX E**  
**MILITARY MANPOWER SUBSYSTEM: TERMINAL DISPLAYS**

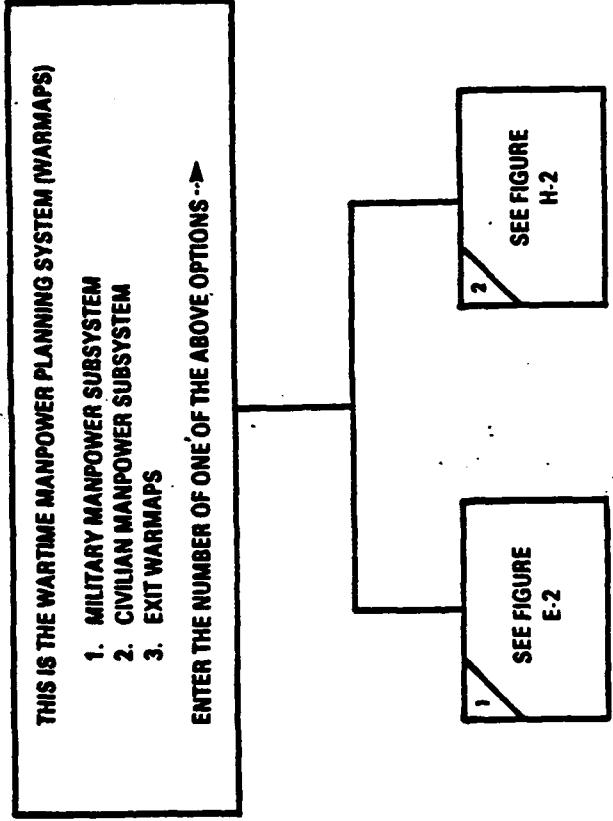
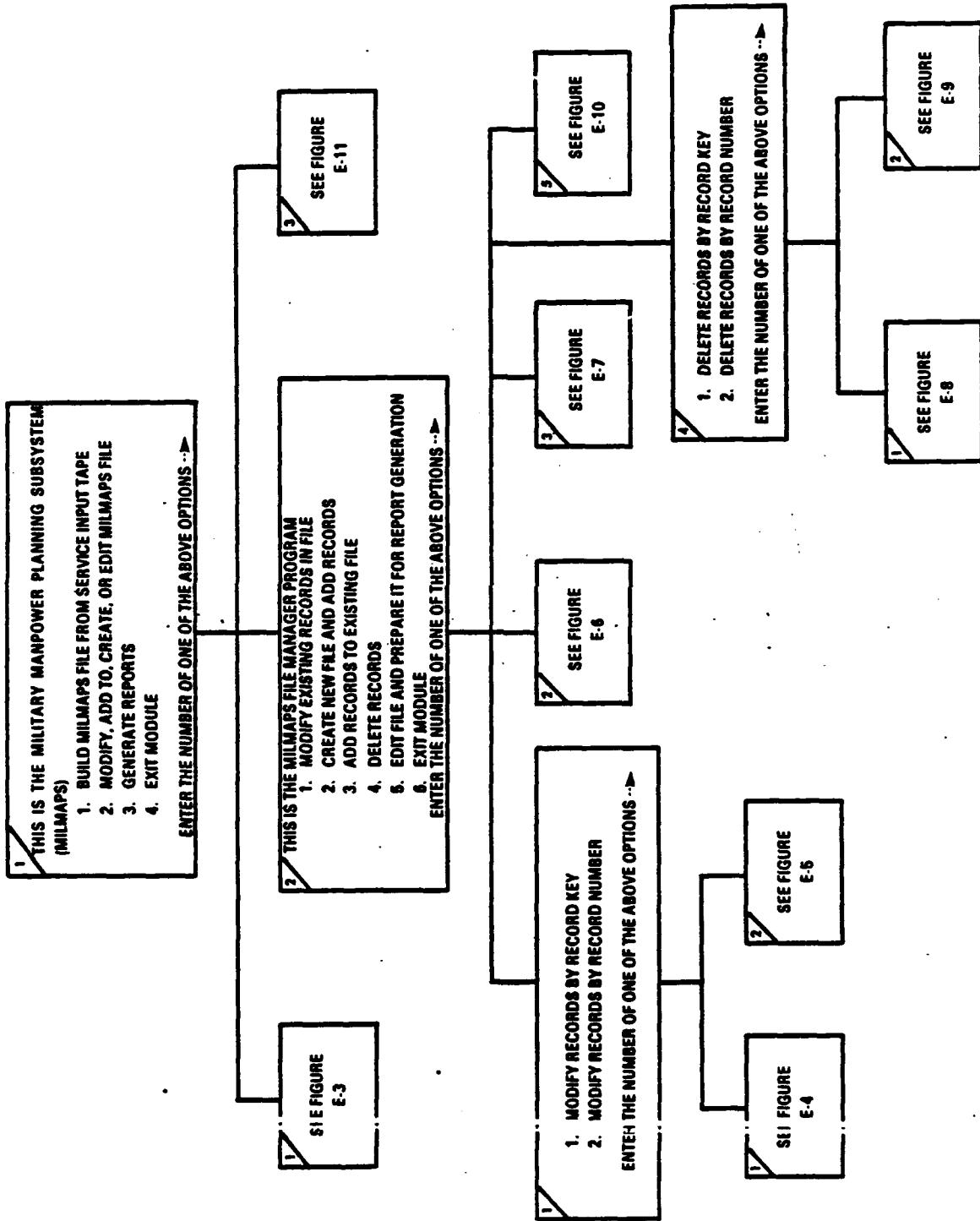


Figure E-1. Wartime Manpower Planning System (WARMAPS)



**Figure E-2.** Military Manpower Planning Subsystem

---

**TERMINAL DISPLAY**

This is the MILMAPS File Building Program

1. Enter name of input file -
2. Enter name of MILMAPS file to be created -

1. Enter file name.
  2. Self-explanatory.
- After the MILMAPS file has been built, the number of record read into the file will be displayed.

---

**USER RESPONSE/EXPLANATION**

Figure E-3. Build MILMAPS File

---

**TERMINAL DISPLAY****USER RESPONSE/EXPLANATION**

---

This is the MILMAPS Modify Records Program

1. Do you want the records to be displayed on the screen before you modify them?
  1. "y" (yes) or "n" (no)  
New users should always respond "y" to question 1 so they may learn the abbreviations. See #8 below.
  2. Enter last two digits of year or "next" for next record or "q" (quit) to exit module.
2. Year--
3. Component--
  3. Enter "a" for Army, "n" for Navy, "m" for Marines, "f" for Air Force, or "g" for Coast Guard.
4. Table--
5. Theater--
6. Manpower category--
7. Manpower type--
8. Enter names(s) of field(s) that you wish to modify (separated by commas)--  
At this time, if question 1 was answered "y" (yes), the complete record is displayed.
8. Enter field name(s). The MILMAN modify records program uses the abbreviated field names that appear in the record displays shown on the terminal and in Figure E-12.  
At this time, you will be prompted to input each field modification.

Figure E-4. Modify MILMAPS Records by Record Key

---

**TERMINAL DISPLAY**

This is the MILMAPS Modify Records Program

1. Do you want the records to be displayed on the screen before you modify them?
2. Enter record number, or # to quit.

1. "y" (yes) or "n" (no)

2. Self-explanatory.

At this time, if question 1 was answered "y" (yes), the complete record is displayed.

3. Enter name(s) of field(s) that you wish to modify.

3. Enter field name(s). Abbreviated field names are used. Enter "y" (yes) in response 1 to learn field name abbreviations or see Figure E-12.

At this time, you will be prompted to input each field modification.

---

**USER RESPONSE/EXPLANATION**

**Figure E-5. Modify MILMAPS Records by Record Number**

---

**TERMINAL DISPLAY**

---

**USER RESPONSE/EXPLANATION**

This is the MILMAPS File Creation Program

1. Enter name of new file--

1. Enter a file name. MILMAPS files should always be provided with a name that ends in ".pom".

At this time, the number of records already on this file is displayed. There should be 0 records on this new file, otherwise, you will be adding to an existing file.

2. Enter year, or "quit"--

2. Enter last two digits of year or "q" (quit) to exit module.

3. Enter component--

3. Enter "a" for Army, "n" for Navy, "f" for Air Force, "m" for Marines, or "g" for Coast Guard.

4. Enter title--

4. Enter character code for table. These codes are defined in DOD 1100.19-H.

5. Enter theater--

5. Enter character code for theater. These codes are defined in DOD 1100.19-H.

6. Enter manpower category--

6. Enter numeric code for manpower category. These codes are defined in DOD 1100.19-H.

7. Enter manpower type--

7. Enter alphanumeric code for manpower type. These codes are defined in DOD 1100.19-H.

Figure E-6. Create MILMAPS File

TERMINAL DISPLAY

This is the MILMAPS File Creation Program

8. Enter pri-s-act--
9. Enter pri-s-grd--
10. Enter pri-s-re--
11. Enter pri-s-ima--
12. Enter s-ct --
13. Enter s-;rd --
14. Enter s-;es --
15. Enter s-;ma --
16. Enter m-ct --
17. Enter m-;rd --
18. Enter m-;es --
19. Enter m+.0 --
20. Enter m+.0 --
21. Enter m+.0 --
22. Enter m+.1 --
23. Enter m+.10 --
24. Enter m+.10 --
25. Enter m+.10 --
26. Enter m+.120 --
27. Enter m+.150 --
28. Enter m+.180 --

USER RESPONSE/EXPLANATION

- 8.-28. Enter time-phased data without the decimal point. Enter # if no data are given.

Figure E-6 (Cont.). Create MILMAPS File

---

**TERMINAL DISPLAY**

This is the MILMAPS Add Records Program

---

**USER RESPONSE/EXPLANATION**

1. Enter name of file--

1. Enter file name.  
At this time, the number of records already in this file is displayed.
2. Enter year--
3. Enter component--
4. Enter table--
5. Enter theater--
6. Enter milwr category--
7. Enter milwr type--

3. Enter "a" for Army, "n" for Navy, "f" for Air Force, "m" for Marines, or "g" for Coast Guard.

4. Enter character code for table. These codes are defined in DOD 1100.19-H.

5. Enter character code for theater. These codes are defined in DOD 1100.19-H.

6. Enter numeric code for manpower category. These codes are defined in DOD 1100.19-H.

7. Enter alphanumeric code for manpower type. These codes are defined in DOD 1100.19-H.

Figure E-7. Add MILMAPS Records

TERMINAL DISPLAY

This is the MILMAPS Add Records Program

8. Enter pr:-s-a ct--
9. Enter pr:-s-grd--
10. Enter pr:-s-res--
11. Enter pr:-s-im a--
12. Enter s-ct --
13. Enter s- grd --
14. Enter s- res --
15. Enter s-ima --
16. Enter w-ict --
17. Enter w- grd --
18. Enter w-res --
19. Enter w+10 --
20. Enter w-20 --
21. Enter w-30 --
22. Enter w-40 --
23. Enter w-50 --
24. Enter w-50 --
25. Enter w-90 --
26. Enter w-120 --
27. Enter w-150 --
28. Enter w-180 --

USER RESPONSE/EXPLANATION

- 8.-28. Enter time-phased data without the decimal point. Enter # if no data are given.

Figure E-7 (Cont.). Add MILMAPS Records

TERMINAL DISPLAY

This is the MILMAPS Deletion Program

1. Do you want the records to be displayed on the screen before you delete them?
  1. "y" (yes) or "n" (no)
2. Enter year--
  2. Enter last two digits of year or "next" for next record or "q" (quit) to exit module.
3. Enter component--
  3. Enter "a" for Army, "n" for Navy, "f" for Air Force, "m" for Marines, or "g" for Coast Guard.
4. Enter table--
  4. Enter character code for table. These codes are defined in DoD 1100.19-H.
5. Enter theater--
  5. Enter character code for theater. These codes are defined in DoD 1100.19-H.
6. Enter spir category--
  6. Enter numeric code for manpower category. These codes are defined in DoD 1100.19-H.
7. Enter spir type--
  7. Enter alphanumeric code for manpower type. These codes are defined in DoD 1100.19-H.
8. Do you still wish to delete this record?
  8. "y" (yes) or "n" (no)

USER RESPONSE/EXPLANATION

Figure E-8. Delete MILMAPS Records by Record Key

<u>TERMINAL DISPLAY</u>	<u>USER RESPONSE/EXPLANATION</u>
This is the ILLMAPS Deletion Program	
1. Do you want the records to be displayed on the screen before you delete them?	1. "y" (yes) or "n" (no)
2. Enter record number or # to quit--	2. Self-explanatory.
3. Do you still wish to delete this record?	3. "y" (yes) or "n" (no)

**Figure E-9.** Delete MILMAPS Records by Record Number

---

**TERMINAL DISPLAY**

This is the 4ILMAPS File Edit Program

1. Enter name of file--

1. Enter file name.

At this time, the number of records in error will be displayed. If no records are in error, the file is ready for report generation. If there are records in error, the error report may be printed in Room 2D279 by typing:

**rlp -c u milmaps\_error\_report**

("rlp" means release for print; "-c u" means classification level is unclassified)

2. Depress any key after viewing screen--

2. Self-explanatory.

---

**USER RESPONSE/EXPLANATION**

Figure E-10. Edit MILMAPS Files

---

**TERMINAL DISPLAY****USER RESPONSE/EXPLANATION**

---

This is the MILMAPS Report Generator.

1. Enter name of file that reports are to be produced from--
  1. Enter file name.
2. Please enter component code--
  2. Enter "a" for Army, "n" for Navy, "f" for Air Force, "m" for Marines or "g" for Coast Guard.
3. Please enter desired year (on years, separated by a comma)--
  3. Enter the last two digits of the year or years desired.
4. Please enter desired table codes (separated by commas) or "all"--
  4. Type in the letter or letters of tables desired, or "all" for all tables.  
If "all" is not chosen, then questions 5 and 6 will not appear.
5. Do you want the S1 and S2 summary tables included in this report (y/n)?
  5. "y" or "n".
6. Do you want the S3 summary table included in this report (y/n)?
  6. "y" or "n".
7. Do you want internal consistency checks to be processed during this run (y/n)?
  7. "y" or "n". If "y", consistency checks will be performed and error messages will be saved in a segment.
8. Do you want the report(s) printed in room 2D279 (y/n)?
  8. "y" or "n".  
In either case an output segment is created. If "y", the report(s) are queued to the printer and can be picked up in about 15 min.
9. How many copies would you like printed?
  9. Enter number of copies you desire to be printed in room 2D279?

**Figure E-11. MILMAPS Reports Generator**

<u>TERMINAL DISPLAY</u>	<u>USER RESPONSE/EXPLANATION</u>
Limit: 3	<p>There will be a pause while each report is generated. If printed copies were requested, printer queue information will be displayed.</p> <p>10. Depress any key after viewing--</p> <p>10. Self-explanatory.</p>

**Figure E-11 (Cont.). MILMAPS Reports Generator**

<u>MNEUMONIC</u>	<u>FIELD NAME</u>
year	Year
component	Component
spec	Demand/Requirement Specification
table	Table - Supply and Demand/Requirement Categories
theater	Theater
category	Manpower Category
type	Manpower Type
pre-s-act	Pre-S-Day - Active
pre-s-grd	Pre-S-Day - Guard
pre-s-res	Pre-S-Day - Reserve
pre-s-ima	Pre-S-Day - IMA
s-act	S-Day - Active
s-grd	S-Day - Guard
s-res	S-Day - Reserve
s-ima	S-Day - IMA
m-act	M-Day - Active
m-grd	M-Day - Guard
m-res	M-Day - Reserve
m+10	M+10
m+20	M+20
m+30	M+30
o	o
o	o
o	o
m+180	M+180

Figure E-12. Military WARMAPS Field Name Mnemonics

**APPENDIX F**  
**CIVILIAN MANPOWER SUBSYSTEM: SAMPLE REPORTS**

TABLE C1  
WARTIME CIVILIAN MANPOWER DEMAND AND SUPPLY

COMPONENT: ARMY

	PRE-W DAY	W-DAY	W+30	W+60	W+90	W+120	W+150	W+180
<b>CIVILIAN MANPOWER DEMAND</b>								
POSITIONS AUTHORIZED								
POSITIONS CREATED	536	52						
POSITIONS TERMINATED/LAPSED		163						
TOTAL DEMAND		425	425	425	425	425	425	425
<b>CIVILIAN MANPOWER SUPPLY</b>								
ON HAND STRENGTH								
RESERVISTS/RETIREES RECALLED	561							
TRANSFER GAINS		5						
TRANSFER LOSSES	15	133						
TOTAL SUPPLY	546	418	418	418	418	418	418	418
CIVILIAN MANPOWER OVER/SHORT (-)	121	-7	-7	-7	-7	-7	-7	-7
NEW SOURCES OF SUPPLY								
MANPOWER TO CONVERT	15	128	128	128	128	128	128	128
MANPOWER TO REASSIGN	1	1	1	1	1	1	1	1
MANPOWER TO UTILIZE (PT/1&T)								
PRE-RECRUITED MANPOWER								
MILITARY MANPOWER (TEMPORARY)								
CONTRACTOR MANPOWER								
WARTIME NEW HIRES READ (-) OR SURPLUS	137	122	122	122	122	122	122	122

UNCLASSIFIED SAMPLE DATA

Figure F-1. Table C1 - Wartime Civilian Manpower Demand and Supply

TABLE C2  
WARTIME CIVILIAN MANPOWER DEMAND AND SUPPLY BY OCCUPATION  
COMPONENT: ARMY

OCCUPATION	DEMAND	SUPPLY	OVER/SHORT (-)
0006 CORRECTIONAL INSTITUTION ADMINISTRATION	2	2	
0301 MISCELLANEOUS ADMINISTRATION & PROGRAM	3	3	
0350 EQUIPMENT OPERATOR	5	5	
0610 NURSE	5	5	
1601 GENERAL FACILITIES & EQUIPMENT	6	6	
2501 MISC WIRE COMM EQUIP INSTALL/MAINTAIN	2	2	
2601 MISC ELECT EQUIP INSTALL/MAINTAIN	2	1	-1
2604 ELECTRONICS MECHANIC	2	2	
2854 ELECTRICAL EQUIPMENT REPAIRING	1	1	
3105 FABRIC WORKING	5	5	
3359 INSTRUMENT MECHANIC	3	3	
3401 MISC MACHINE TOOL WORK	5	5	
3701 MISC METAL PROCESSING	4	4	
5003 GARDENING	3	3	
5048 ANIMAL CARE/TAKING	1	1	
5201 MISC OCCUPATIONS	1	1	
5407 ELECTRIC POWER CONTROLLING	50	50	
5409 WATER TREATMENT PLANT OPERATING	1	1	
5413 FUEL DISTRIBUTION SYS OPERATING	11	10	-1
5419 STATIONARY ENGINE OPERATING	4	4	
5701 MISC MOBILE IND EQUIP OPERATION	1	1	
5703 MOTOR VEHICLE OPERATING	168	168	
5704 FORK LIFT OPERATING	14	14	
5716 ENGINEERING EQUIPMENT OPERATING	14	14	
5725 CRANE OPERATING	2	2	
6907 WAREHOUSE WORKING	21	21	
6912 MATERIAL SORTING & CLASSIFYING	19	18	-1
6967 PERSONAL FLIGHT EQUIPMENT HANDLING	1	1	
7002 PACKING	2	1	-1
9999 OCCUPATION UNKNOWN	60	60	
<b>TOTALS</b>	<b>425</b>	<b>418</b>	<b>-7</b>

UNCLASSIFIED SAMPLE DATA

Figure F-2. Table C2 - Wartime Civilian Manpower Demand and Supply by Occupation

TABLE C2  
WARTIME CIVILIAN MANPOWER DEMAND AND SUPPLY BY IDOS  
COMPONENT: ARMY

IDOS		DEMAND	SUPPLY	OVER/SHORT (-)	% OF DEMAND
CM	Medical Professionals	3	3	0	100%
EY	General Managers and Administrators	11	11	0	100%
JY	General and Miscellaneous Clerks	5	5	0	100%
PA	Machinists and Metal Workers	9	8	-1	-11%
PB	Electricians	3	3	0	100%
PJ	Electrical Equipment Repairmen	3	3	0	100%
PN	Precision Equipment Repair	3	3	0	100%
PZ	Miscellaneous Production Workers	5	5	0	100%
RC	Construction Equipment Operators	14	14	0	100%
RH	Vehicle Operations	169	169	0	100%
RW	Material Handlers	79	67	-12	-15%
RX	Installation Maintenance Workers	58	55	-3	-5%
RZ	Miscellaneous Operators and Laborers	12	12	0	100%
WZ	Miscellaneous Personnel	66	66	0	100%
	TOTALS	425	418	-7	

UNCLASSIFIED SAMPLE DATA

Figure F-3. Table C2 - Wartime Civilian Manpower Demand and Supply by IDOS

TABLE C3

WARTIME CIVILIAN MANPOWER DEMAND AND SUPPLY BY LOCATION  
COMPONENT: ARMY

LOCATION	Demand	Supply	Over/Short (-)
60 UNIDENTIFIED	4	4	-2
ALABAMA	4	4	0
ALASKA	1	1	0
CALIFORNIA	7	7	0
CONNECTICUT	4	4	0
DELAWARE	2	2	0
FLORIDA	2	2	0
HAWAII	3	3	0
ILLINOIS	2	2	0
MICHIGAN	2	2	0
MONTANA	4	4	0
NEBRASKA	2	2	0
NEW JERSEY	61	59	-2
OHIO	2	2	0
PENNSYLVANIA	1	1	0
VIRGINIA	19	19	0
WASHINGTON	55	55	0
ALGERIA	1	2	-1
ARGENTINA	2	1	-1
AUSTRALIA	1	2	-1
BOLIVIA	2	4	-2
BRAZIL	4	2	-2
CANADA	2	2	0
COLOMBIA	1	4	-3
HAITI	4	2	-2
HONG KONG	2	2	0
INDIA	1	4	-3
ISRAEL	2	3	-1
IRAQ	1	1	0
JAMAICA	1	2	-1
LEBANON	2	2	0
LIBERIA	2	2	0
MOROCCO	2	3	-1
MEXICO	1	2	-1
NIGER	1	2	-1
NIGERIA	2	1	-1
NEPAL	1	1	0
NICARAGUA	1	1	0
PARAGUAY	1	1	0
PERU	2	2	0
PAKISTAN	4	4	0
PHILIPPINES	1	1	0
SAUDI ARABIA	3	3	0
SOUTH AFRICA	3	3	0
YUGOSLAVIA	3	3	0
TOTALS	425	418	-7
UNCLASSIFIED SAMPLE DATA			

Figure F-4. Table C3 - Wartime Civilian Manpower Demand and Supply by Location

**APPENDIX G**  
**CIVILIAN MANPOWER SUBSYSTEM: ERROR REPORT**

CIVILIAN MANPOWER PLANNING SUBSYSTEM  
ERROR REPORT

Page 1

errors.civ

REC	GEOLOC	UNIT	IDOS	OCC	PP	GRADE	EMPLOY CAT	INVALID FIELD	ERRONEOUS VALUES
1	RP21000000	FFX8J0	RZ	5848	GS	13	F	Manpower Data All Zero	●
2	RP21000000	FFX8J0	RZ	5848	HW	13	F	Pay Plan	HW
3	RP12000000	FFYPL0	RX	5407	WG	C1	F	Grade	C1
4	RP04000000	FFX8K0		0000	GS	13	F	Civil Service Occupation Code	0000
5	0000000001	FFYPL0	RX	5407	WG	13	F	GSA Location Code	0000000001
6	RP21000000	FFBHS0	RX	5407	GS	13	F	Authorized + Created - Terminated < 0	Demand Data
7	RP04000000	FFX8K0	RX	5407	GS	15	F	Onhand + Gains - Losses - Recalled < 0	Supply Data
8	RP12000000	FFYPL0	RX	5407	GS	15	C	Employment Category	C
8 Records in Error out of 15									

G-1

UNCLASSIFIED SAMPLE REPORT

Figure G-1. Civilian Manpower Planning Subsystem Error Report

**APPENDIX H**  
**CIVILIAN MANPOWER SUBSYSTEM: TERMINAL DISPLAYS**

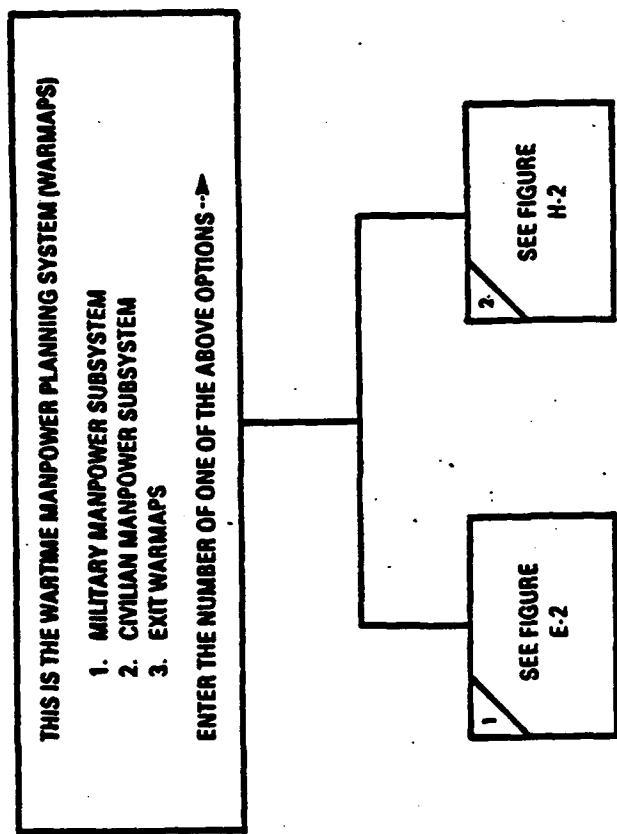


Figure H-1. Wartime Manpower Planning System (WARMAPS)

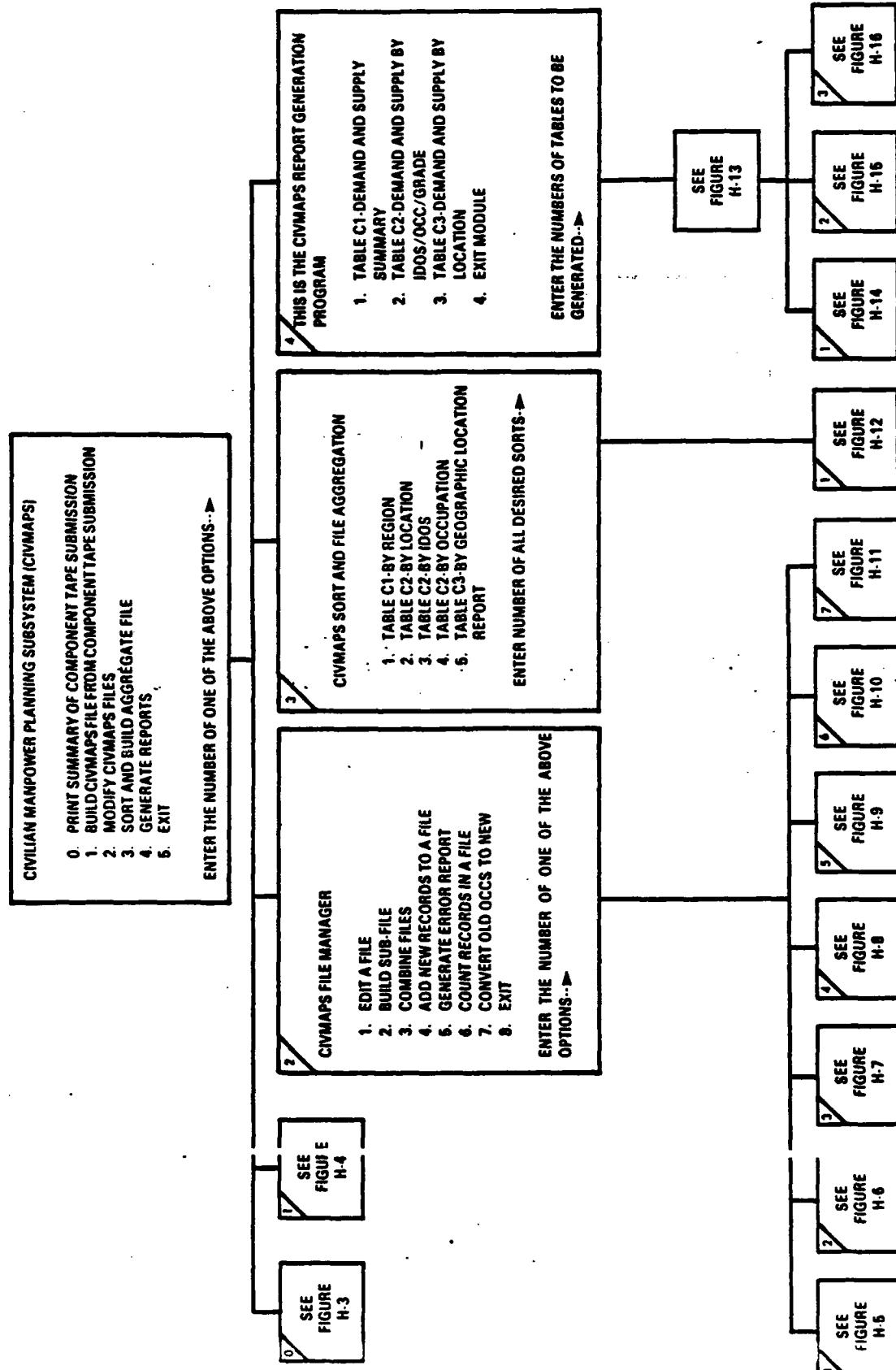


Figure H-2. Civilian Manpower Planning Subsystem

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TERMINAL DISPLAY

OPTION: C

SUMMARY OF COMPONENT TAPE SUBMISSION

This menu option causes the computer to read a component's CIVMAPS submission (in tape format) and compile a summary of the numeric manpower data.

1. Enter name of CIVMAPS component file:

file\_name.tape ## Records in Error out of. ##

See file\_name.sum for a summary of the manpower data.

1. Enter the name of the ".tape" file, e.g., army.86.tape.

The screen returns the file name and the number of errors found when it has completed the summary. In this program an error record is a record which contains non-numeric data in any numeric manpower field. No other errors are checked.

2. Enter any character key to return to

the CIVMAPS main menu.

After you exit the main menu, a copy of the summary report can be found by typing "ls" (to list segments) and printing or viewing the segment file\_name.sum, e.g., army.86.sum

Figure H-3. CIVMAPS Component File Summary

---

**TERMINAL DISPLAY****OPTION: 1****THIS IS THE CIVMAPS FILE BUILD PROGRAM**

1. Enter name of CIVMAPS component file:  
**Creating file name.civ**
2. Enter name of CIVMAPS file to be created:  
**Creating file name.civ**
3. Enter component code -->
4. Do you want error checks?  
The available error checks are as follows:
  1. Manpower Data all Zero
  2. Pay Plan Check
  3. Grade Check
  4. Occupation Check
  5. CSA Location Check
  6. Authorised + Created - Terminated > 0
  7. Onhand + Transfer Gains - Transfer Losses - Recalled > 0
  8. Invalid Manpower data, could not convert to binary.
  9. Employment Category.
5. Do you want to omit specific types of error checks?  
The available error checks are as follows:
  1. Manpower Data all Zero
  2. Pay Plan Check
  3. Grade Check
  4. Occupation Check
  5. CSA Location Check
  6. Authorised + Created - Terminated > 0
  7. Onhand + Transfer Gains - Transfer Losses - Recalled > 0
  8. Invalid Manpower data, could not convert to binary.
  9. Employment Category.
6. Enter "y" if you want all records to be checked for errors. Enter "n" if you do not want records to be checked for errors.
7. If you enter "n" skip to 6. If you enter "y", you will be shown a list of the available error checks by type. You may omit specific checks. Only the errors checked and found will be flagged.  
Enter number(s) without a space or any other character between them to indicate which error checks you wish to omit.

**Figure H-4. Build CIVMAPS File from Component Tape Submission**

TERMINAL DISPLAY	USER RESPONSE/EXPLANATION
<p><b>OPTION: J (Continued)</b></p> <p>Enter the number(s) of the error checks you wish to omit --&gt;</p> <p>6. Do you have a component rec_fix_up program?</p>	<p>The computer reports the number of records in error in the first 100, 1,000 and 10,000 records. You many wish to terminate the file building process prior to completion if too many records contain errors. To terminate the process, press the BREAK key. Then enter "pi" (program interrupt) to close the file and return to the CIVMAPS main menu period:</p> <pre> &gt;&gt;&gt;      # Records in Error out of   ##      &lt;&lt;&lt;&lt; &gt;&gt;&gt;      See civmaps_error_report      &lt;&lt;&lt;&lt; civmaps_file_build: ## records read from <u>file name.tape</u> ## records written to <u>file name.civ</u> </pre> <p>7. Enter any character key to return to the CIVMAPS main menu.</p> <p>7. Press any character key to return to the CIVMAPS main menu.</p>

Figure H-4 (Cont.). Build CIVMAPS File from Component Tape Submission

TERMINAL DISPLAY

USER RESPONSE/EXPLANATION

**OPTION: 2-1**

**THIS IS THE CIVMAPS FILE EDITING PROGRAM**

The File Editing Program allows you to select records for editing, select an edit mode, and modify the contents of a .civ file.

1. Enter name of CIVMAPS update file:

File file\_name.civ opened for update.

Using file\_name.civ

2. How to choose records for edit?

1. Sequentially from a Start Number
2. With Errors Flagged
3. By Record Number
4. By Key Fields
5. Exit.

Enter selection\_mode -->

1. Enter the name of the file to be edited (any .civ file).

2. To select records for editing, a selection method must be chosen:

Option "1" allows you to select all records starting from a specified record number to the end of the file.

Option "2" allows you to select all records which contain errors that have been flagged.

Option "3" allows you to select individual records by record number. Records must be selected in low number to high number order.

Option "4" allows you to select all records with specified values in specified key fields.

Option "5" returns you to the File Manager menu.

Figure H-5. CIVMAPS File Manager (File Editing Program)

TERMINAL DISPLAY

USER RESPONSE/EXPLANATION

**OPTION: 2-1 (Continued)**

3. Choose record editing mode:

- 1. Individual
- 2. Mass Change
- 3. Mass Delete
- 4. Exit.

--

3. Now choose an editing mode:

Option "1" allows you to look at and modify each selected record individually.

Option "2" allows you to change all selected records with one edit operation.

Option "3" allows you to delete all selected records from the .civ file.

Option "4" returns you to the File Manager menu.

```
## records read from file file name.civ
## records selected
## records updated in file file name.civ
## records deleted from file file name.civ
## records remain in file file name.civ
```

Upon conclusion of an edit session, a summary of edit operations is provided and you are returned to the File Manager menu.

Figure H-5 (cont.). CIVMAPS File Manager (File Editing Program)

---

**TERMINAL DISPLAY**

---

**OPTION: 2-->****THIS IS THE CIVMAPS SUB-FILE BUILDING PROGRAM**

1. Enter name of CIVMAPS input file:  
File : file name.civ opened for update.  
Using file file name.civ
2. How to choose records for subfile?

1. Sequentially from a Starting Number
2. With Errors Flagged
3. By Record Number
4. By Key Fields
5. Exit.

Enter selection\_mode --&gt;

1. Enter the name of the file from which records will be selected (any .civ file).
2. To select records for the subfile, a record selection method must be chosen:
  1. Option "1" allows you to select all records starting from a specified record number to the end of the file.
  2. Option "2" allows you to select all records which contain errors that have been flagged.
3. Option "3" allows you to select individual record by record number.
4. Option "4" allows you to select all records with specified values in specified key fields.
5. Option "5" returns you to the File Manager menu.
6. How to process records for subfile?
  1. Copy
  2. Move
  3. Exit -->

**Figure H-6. Build CIVMAPS File**

---

**TERMINAL DISPLAY****OPTION: 2-2 (Continued)****3. (Continued)**

4. Enter name of CIVMAPS output file:  
Creating new file: file name.civ  
End of file reached.
5. Do you wish to create a new file?  
Creating new file: file name.civ  
End of file reached.

---

**USER RESPONSE/EXPLANATION**

Option "2" allows you to remove records from the .civ input file and move them to another file. Note: When you move records, you are deleting them from one file and putting them in another file.

Option "3" terminates the process and returns you to the CIVMAPS File Manager menu.

4. Enter a name for the subfile.  
If the name is an existing file, records will be copied or moved to the existing file.

5. If the name is not recognized as an existing file, you are asked if you are creating a new file. Enter "y" if you are creating a new file. Enter "n" if you expected an existing file to be recognized. You will be asked for the file name again.

## records read from file input file name.civ  
## records selected  
## records copied/moved to file output file name.civ  
## records remain in file input file name.civ

At the conclusion of the subfile building process, a summary is provided. You are then returned to the File Manager menu.

Figure H-6 (Cont.). Build CIVMAPS File

---

**TERMINAL DISPLAY**

---

**USER RESPONSE/EXPLANATION**

**OPTION: 2-3**

**THIS IS THE CIVMAPS FILE COMBINATION PROGRAM.**

Copies all records from one or more files to a single new or old file.

1. Enter name of CIVMAPS output file:

Do you wish to create a new file?

Creating new file: file name.civ

- If the file name is recognized as an existing file, the existing file will be opened to allow a subfile to be copied into it. Otherwise, the system verifies that you want a new file to be created.
1. Enter file name of your choice.
2. Enter the name of the subfile to be copied.

- A. Enter name of CIVMAPS input file:

B. File file name.civ opened for input.

C. # records copied from file file name.civ to  
file file name.civ

- A. Enter name of CIVMAPS input file:

TOTAL: # records copied into file file name.civ

When you have no more files to copy, enter "none" as the input file name.

Termination provides a count of the total number of records copied to the output file. You are returned to the File Manager menu.

**Figure H-7. CIVMAPS File Manager (File Combination Program)**

**TERMINAL DISPLAY****OPTION: 2-4****THIS IS THE CIVMAPS ADD RECORDS PROGRAM.**

1. Enter name of CIVMAPS update file:  
File file\_name.civ opened for update
2. After each field name reply either:  
"c" = constant,  
"v" = variable,  
"n" = no data.  
  
component  
unit  
location  
occupation  
grade  
employment category  
pay plan  
authorized  
created  
terminated  
onhand  
recalled  
transfer gains  
transfer losses  
reassign  
convert  
utilize  
prerecruit  
temp military  
contractors

**USER RESPONSE/EXPLANATION**

The Records Add Program allows you to manually enter civilian records to an existing or new .civ file.

1. Enter file name. An existing .civ file will be opened for update or a new .civ file will be created.
2. Each data field of a civilian record is initialized with information about the nature of the data to be entered. Each field will be displayed and you will be required to reply either "c", "v", or "n".  
  
Choose "c" for those fields which contain unchanging constant values.  
  
Choose "v" for those fields in which data values may vary from record to record.  
  
Choose "n" for those fields for which you will not enter data.

**Figure H-8. CIVMAPS File Manager (Add Records Program)**

TERMINAL DISPLAY

USER RESPONSE/EXPLANATION

**OPTION: 2-4 (Continued)**

3. Creating Record Number      1 Reply:  
"y" = yes  
"r" = reinitialize,  
"q" = quit  
--

Creating initial record.

Values input for each record will be used to initialize the immediately following record.

3. After initialization you may:  
Enter "y" to proceed with entering values for the first record; or  
Enter "r" to repeat the initialization process; or  
Enter "q" to terminate and return to the File Manager menu.
4. To create the first record, you will be prompted for a data value for all fields you initialized as constant or variable.
- After the first record, you will only be prompted for those values you have initialized as variable. For fields that you initialized as constant, the same value will be retained from record to record.
- Enter Employment Cat:  
Enter Component Code:  
Enter 6-Chir Unit (UIC):  
Enter 9-Chir Location Code:  
Enter 4-Digit Occupation Code:  
Enter 2-Chir Grade:  
Enter Pay Plan:  
Enter Authorized:

Figure H-8 (Cont.). CIVMAPS File Manager (Add Records Program)

## TERMINAL DISPLAY

5. Time periods may include:
- 30 60 90 120 150 180
- Enter CREATED time periods to be manipulated -->
- Enter Created M-Day: *time periods to be manipulated*
- Enter TERMINATED time periods to be manipulated
- Enter Terminated M+60: *time periods to be manipulated*
- Enter Onhand: *time periods to be manipulated*
- Enter Recalled: *time periods to be manipulated*
- Enter TRANSFER GAINS time periods to be manipulated -->
- 60 120 180. You will be prompted for a data value for each time period you have listed.
- Enter Transfer Gains M-Day: *time periods to be manipulated*
- Enter TRANSFER LOSSES time periods to be manipulated -->
- Enter Transfer Losses M-Day: *time periods to be manipulated*
- Enter REASSIGN time periods to be manipulated -->
- Enter Reassign M-Day: *time periods to be manipulated*
- Enter CONVERT time periods to be manipulated -->
- Enter Convert M-Day: *time periods to be manipulated*
- Enter Utilized Pre-M: *time periods to be manipulated*
- Enter UTILIZE time periods to be manipulated -->
- Enter Utilize M-Day: *time periods to be manipulated*
- Enter Prerecruits: *time periods to be manipulated*
- Enter Temporary Military: *time periods to be manipulated*
- Enter Contractors: *time periods to be manipulated*

## USER RESPONSE/EXPLANATION

5. The fields for positions created, terminated, transfer gains, transfer losses, manpower to reassign, manpower convert and manpower to utilize all contain time phased data. When entering data for these fields, you will be asked to specify the time periods to be manipulated. If you enter "m" (for M-Day) you will be prompted only for an M-Day value. If you enter "60" you will be prompted for a value for M+60 only. For each field with time phased data, enter a list of the time periods for which data are available. Enter a space between each entry, e.g.,
- 60 120 180. You will be prompted for a data value for each time period you have listed.

Figure H-8 (Cont.). CIVMAPS File Manager (Add Records Program)

---

**TERMINAL DISPLAY****OPTION: 2-4 (Continued)**

```
6. RECORD NUMBER: 1 PRE---M---30---60---90---120---150---180
   component = auth
   theater = created
   region = term
   geoloc = onboard
   unit = recalled
   idos = gains
   occupation = losses
   pay-plan = reassigned
   grade = convert
   employ-cat = utilize
   prerec = tempnil
   contr = contr

Enter one of:
  c correct record
  m modify record
  d delete record
  w write record to file. -->
```

---

**USER RESPONSE/EXPLANATION**

6. After all values are entered, the record will be displayed. Errors are detected and reported. You may choose to correct, modify, delete or write the record.  
Option "c" allows you to correct the record. You will be prompted to enter values for those fields with flagged errors.  
Option "m" allows you to select any field and change/modify the value.  
Option "d" causes the record to be written discarded.  
Option "w" causes the record to be written to the .civ file.  
(The record may be changed at a later time with the File Manager Edit Program.)  
If you correct or modify values, the record will be displayed again with the new values. Again, you will be given the opportunity to correct, modify, delete or write the record to the file.
7. You may continue to add records, correct them, reinitialize or terminate (quit) the process.  
Termination provides a count of the records added to the file and returns you to the File Manager Menu.

---

**TERMINAL DISPLAY****OPTION: 2-5****THIS IS THE CIVMAPS RECORD VERIFICATION AND ERROR REPORT PROGRAM**

The record verification program enables you to conduct checks on the data records and to flag records with errors as an aid to editing. The program also compiles a report of errors.

1. Enter name of CIVMAPS update file:

File file name.civ opened for input.

2. Do you want to omit specific types of error checks?

## Records in Error out of ##

See civmaps\_error\_report

1. Enter file name (any .civ file).

2. Enter "y" and the terminal will show you the available error checks and allow you to omit specific checks.

Enter "n" and each record will be checked for all types of errors.

The terminal provides a summary of the number of records checked and the number of records found to contain errors. You are returned to the File Manager menu.

After you exit the main CIVMAPS menu, the civmaps\_error\_report can be viewed, printed or deleted.

**Figure H-9. CIVMAPS File Manager (Record Verification Program)**

TERMINAL DISPLAY

**OPTION: 2-6**

**THIS IS THE CIVMAPS RECORD COUNTING PROGRAM**

This program counts the records in a file.  
It is used to verify the number of records  
in a file after editing or other  
processing has been performed.

1. Enter name of CIVMAPS input file:

File file\_name.civ opened for input.

## records counted in file file\_name.civ

USER RESPONSE/EXPLANATION

1. Enter file name (any .civ file).

The terminal reports the record count and  
you are returned to the File Manager menu.

Figure H-10. CIVMAPS File Manager (Record Counting Program)

TERMINAL DISPLAY

USER RESPONSE/EXPLANATION

**OPTION: 2-7**

**THIS IS THE CIVMAPS OLD OCC TO NEW OCC CONVERSION PROGRAM**

This program uses an internal table to permanently convert known outdated occupation codes to known new occupation codes.

This program can be used to substantially reduce the number of occupation code errors in a file if the errors are caused by outdated coding.

**1. Enter name of CIVMAPS update file:**

File file\_name.civ opened for input.

# records read in file file\_name.civ

OCC updated in # records.

**1. Enter file name (any .civ file).**

The terminal reports the number of outdated occupation codes that were found and converted. You are then returned to the File Manager menu.

**Figure H-11. CIVMAPS File Manager (Old to New Occupation Conversion Program)**

TERMINAL DISPLAY

**OPTION: 3**  
**THIS IS THE CIVMAPS FILE SORT AND AGGREGATION PROGRAM.**  
(The following is an example of the region sort.)

1. Enter name of CIVMAPS input file:  
File file\_name.civ opened for input.  
Records in out to sort: # out of #  
Sorted, aggregated records will be written to:  
file name: civ.reg  
Sort complete # records returned # records written.

The CIVMAPS file sort program sorts and aggregates the ".civ" file by region, IDOS, occupation or location codes. It produces sorted files that are used in report generation.

1. Enter file name (any .civ file).

The program:

- o Identifies the file and opens it.
  - o Displays the number of records input to the sort and aggregation process.
  - o Names the sorted output file by adding a suffix to the input file name. The suffix reflects the key field used in the sort.
  - o Upon completion, displays the number of records written in the sorted output file. The difference in the number of records shows the amount of aggregation that has taken place.
2. Any entry will return control to CIVMAPS main menu.

Figure H-12. CIVMAPS File Sort

---

**TERMINAL DISPLAY****USER RESPONSE/EXPLANATION**

---

**OPTION: 4****1. THIS IS THE CIVMAPS REPORT GENERATION PROGRAM.**

1. Table C1 - WARTIME CIVILIAN MANPOWER DEMAND AND SUPPLY

2. Table C2 - WARTIME CIVILIAN MANPOWER DEMAND AND SUPPLY BY IDOS/OCC/GRADE

3. Table C3 - WARTIME CIVILIAN MANPOWER DEMAND AND SUPPLY BY LOCATION

4. TABLE C4 - LOSSES TO RECALL OF RESERVISTS & RETIREES BY IDOS/OCC

**5. Exit Module**

Enter the numbers of tables to be generated --&gt;

**2. Enter name of CIVMAPS input file:**

H-19

1. Enter the number(s) of the tables you want generated without any blank spaces or any other characters, e.g., 123.
2. Enter the name of the file. It must end in .civ.
3. Enter the component code(s) of the Service/Agency file. The component code is used to create a Service/Agency label on the reports. If you indicate more than one code or "all", the system will give you the choice of using a Department of Defense label or creating your own label. For a list of valid component codes, type "help".
4. If you desire to add additional label or comment lines to your report header, enter either "1" or "2" here to add 1 or 2 lines. Type "0" if no additional lines are desired.

Figure H-13. CIVMAPS Report Generator

**TERMINAL DISPLAY**

**USER RESPONSE/EXPLANATION**

**OPTION: 4 (Continued)**

5. Enter line -->

6. Do you want to select records?

5. If you choose additional header lines, you are now given the opportunity to enter labels or comments. You may enter up to 75 characters on each additional line in the header.

6. The report generator software has the capability to select particular records and compile the report using only the selected records. This capability is similar to the record selection features of the File Manager (see Figure H-6). For example, you could compile a report for one state from a file containing all states. For a list of the fields that can be used to select records, type "help".

All records from the file will be included in the reports.

7. Depress any key to continue -->

If you answer "no" to the record selection option, this message confirms that all records will be included in the reports.

7. You can review your record selections. Press any character key to continue creating your reports.

Figure H-13 (Cont.). CIVMAPS Report Generator

**OPTION: 4-1**

**THIS IS THE CIVMAPS REPORT GENERATION PROGRAM.**

8. This is the Table C1 report module. Your report can be broken out by the following level breaks.
- 1. No Level Break
  - 2. Theater
  - 3. Theater & State/Country
  - 4. Theater, State/Country, & IDOS
  - 5. Theater, State/Country, IDOS & Pay Plan
  - 6. Theater, State/Country, IDOS, Pay Plan, & Grade
  - 7. Location
  - 8. Region
  - 9. Region & IDOS
  - 10. Region, IDOS, & Pay Plan
  - 11. Region, IDOS, Pay Plan, & Grade

Enter the number of the level of report desired -->

File filename.reg opened for input.

Indicates which sorted file is in use.

9. Do you want the report saved for the printer?
9. You have now entered the Table C1 report (assuming you selected this report when you first entered the report generator). Table C1 has an additional feature called the level break option. It enables you to select fields which are used as "breaks" to compile a series of C1 tables. A new C1 table will be produced whenever the "break" fields change. For example, break options 6, 10 and 11 will efficiently produce a large volume of tables for detailed studies. Enter break option 1 unless you require a series of reports which breakdown data by certain fields.
9. Enter "y" to have the report written and saved in a segment. This is required if you wish to print the report in hardcopy. Enter "n" if you only want to view the report on your terminal screen. The report will appear on your screen, and as soon as you clear your screen, it is completely gone.

Figure H-14. CIVMAPS Report Generator

---

**TERMINAL DISPLAY**

**USER RESPONSE/EXPLANATION**

---

**OPTION: 4-1 (Continued)**

10. Do you want the report added to an existing report segment?

10. If you have an existing segment and wish to add (append) this report to it, enter "y". If you enter "n", a new report segment will be created. If you have an old report segment with the same name, it will be overwritten by the "n" option.

**PRODUCING /TABLE C1**

The report has been written to the segment file name.C1 rpt.

Depress any key after viewing -->

When the report is complete the system informs you.

Depress any key to return to CIVMAPS -->

Enter any character to continue with other reports.

Enter any character to return to the CIVMAPS main menu.

Figure H-14 (Cont.). CIVMAPS Report Generator

TERMINAL DISPLAY

**OPTION: 4-2**

**THIS IS THE CIVMAPS REPORT GENERATION PROGRAM.**

8. The C2 report formats are as follows:

1. 'y IDOS
2. 'y OCCUPATION
3. 'y OCCUPATION and GRADE
4. 'y OCCUPATION and GRADE with DOT CODES

Enter the number(s) of the report formats desired -->

This is the Table C2 Report module.

This report will be formatted by IDOS

File filename.IDOS/OCC open for input.

8. Enter the number(s) of the desired level of detail and format.
9. If you are only interested in compiling shortfalls in your report, enter "y". The report will not report overages. Enter "n" if you want both shortfall and overages in the report.
10. Want negative net only? -->
11. Do you want the report saved for the printer? -->
12. Enter "y" if you would like the report added to an existing segment. If you would like a new segment answer "n". The new segment will replace any previous segment with the same name.

USER RESPONSE/EXPLANATION

Figure H-15. CIVMAPS Report Generator

**TERMINAL DISPLAY**

**OPTION: 4-3**

**THIS IS THE CIVIAPS REPORT GENERATION PROGRAM.**

8. The GEOLOC Report can be compiled by:

1. :state/Country
2. :EOLOC (State, City, and County)
3. :EOLOC and UNIT

Enter the number(s) of the compilations you want ->

This is the GEC.OC report module.

File filename.g:oloc opened for input.

9. Do you wan: the location reported by theaters?
  10. Do you wan: the report saved for the printer?
  11. Do you wan: the report added to an existing report segment?  
**PRODUCING GEOLOC: REPORT**
- The report has been written to the segment filename C3.

The program confirms selection.

Identifies the sorted file it will use to produce the report.

9. Enter "y" if you would like theaters displayed in your report.
10. Enter "y" if you would like the report saved to a permanent segment. Enter "n" if you are only interested in seeing the report on the screen.
11. Enter "y" if you would like the report added to an existing segment. If you would like a new segment, answer "N". The new segment will replace any previous segment with the same name.

Identifies the segment the report was written to.

Figure H-16. CIVMAPS Report Generator

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**TERMINAL DISPLAY**

**USER RESPONSE/EXPLANATION**

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**OPTION: 4-3 (Continued)**

12. Depress any key after viewing -->
  13. Depress any key to return to CIVMAPS -->
12. Enter any character to continue. If you chose more than one C3 report format processing of the next C3 format will introduce itself.
  13. Enter any character to return to the CIVMAPS main menu.

Figure H-16 (Cont.). CIVMAPS Report Generator