Working Paper

DESIGN SPECIFICATION FOR (MPT)2 PRODUCT 5

MANPOWER DETERMINATION AID

VOLUME II

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Prepared By:

Micro Analysis and Design
and
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1 January 1988

**U.S. Army Research Institute
for the Behavioral and Social Sciences**
5001 Eisenhower Avenue, Alexandria VA 22333

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PRODUCT 5

MANPOWER DETERMINATION AID

SOFTWARE SPECIFICATION

Prepared for:

U.S. Army Research Institute for
the Behavioral and Social Sciences
5001 Eisenhower Avenue
Alexandria, Virginia 22333

Written by:

R. Laughery
R. Archer
G. Fontenelle

Micro Analysis and Design
9132 Thunderhead Drive
Boulder, Colorado 80302
(303) 442-6947

30 December 1987

PRODUCT 5: MANPOWER DETERMINATION AID

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3.6 STEPS IN APPLYING THE WORKLOAD ANALYSIS AID

In order to use the WAA to analyze, the analyst will perform eight basic steps listed below.

1. Develop a list of tasks in the system design that will be assigned to crew members.

2. Define all crew positions.

3. Initially assign tasks to crew positions.

4. Define task performance parameters: workload estimates, tine estimates, and sequencing constraints.

5. Define task sequencing.

6. Execute simulation run.

7. Analyze simulation results.

8. Reallocate tasks to crew positions.

3.6.1 Step 1 Develop a list of tasks in the system design that will be assigned to crew members.

In this step the user will develop a complete list of functions and tasks that will be used in all other steps of the Workload Analysis Aid. This step is analogous to performing a task analysis of the activities necessary to operate the system. If a SPREA file exists on the new system the corresponding function and task lists associated with that file will serve as the starting point for the analysis. If a SPREA file does not exist then the user will have the option to use the function and task list from either a Comparable System in the Baseline Library or the Product 5 Taxonomy as a starting point. If neither of these options exist it will be necessary for the user to type-in the function list and corresponding task list using information from external sources.

3.6.1.1 Input

External Input: The following external sources are listed in order of their usefulness: Contractors Design Specification, SPREA file, Subject Matter Experts, and any task analysis and/or accompanying documentation for analogous systems. However, this list does not suggest the availability of these documents which will be discussed in detail below.

Two important external sources of information for the first step of the Workload Analysis Aid are the Contractors Design Specification and the data in the SPREA file resulting from a Product 1 analysis performed on the new system. The first input is the design documents provided to the government by the contractor designing the system. This documentation may include a listing of crew tasks. However it is not guaranteed that a task analysis will be provided by the contractor, or in the event that the task

analysis is provided that it will be sufficient or appropriate for this analysis.

The second most useful external source will be the data in the SPREA (Product 1) file if it is available. The SPREA file would serve as a starting point for developing the task list to be used to evaluate the prototype of the new system. It should provide a list of tasks for each function specified for a given mission/condition set. However, a SPREA file may or may not be available depending on when the system was proposed since Product 1 and 5 are being developed simultaneously.

Other external sources will be Subject Matter Experts and any task analysis and accompanying documents for an analogous system (i.e., Trainer Guides, Soldier Manuals, Job Books, How to Fight Manuals, and Operator Manuals). These sources are not as straightforward as an existing task analysis on the new system and may produce a grosser level of analysis.

Internal Input: The two internal source of input available to the user is the Baseline Library for Comparable Systems and the Product 5 Taxonomy. The Baseline Library will contain the information required to perform the Product 5 analysis for several systems. This library includes function and task lists for Comparable Systems necessary to complete this step in addition to other information necessary to complete a Product 5 analysis. The user will identify the mission area, system type, function, and mission/condition set that most closely resembles the new system and access that information by function.

The other internal input source is the Product 5 Taxonomies for Mission Areas, System Types, Mission/Conditions, Functions, and Tasks.

3.6.1.2 Process

The user/user will gain access to the WAA from the MDA Flowchart menu. When the user chooses to perform the WAA a flowchart will appear which delineates the eight major steps in the WAA. The user performs the steps in the order specified by the flowchart but may resume at any particular step if the analysis can not be completed at one sitting.

To begin step 1, the user will choose the "Develop Task List" option from the WAA main menu flowchart. After selecting this option, the user is presented with the Current Function List, a menu that lists all of the functions within a particular mission/condition set for the new system. The first time the user accesses the WAA for a new system this list will be blank unless there is a SPREA file available for that system. In the case that a SPREA file exists and was identified in step 0, the data will be imported to Product 5 internal files and the list of functions in the SPREA file will serve as the starting point for developing the function and task list.

In the case that there is not an existing SPREA file for the new system, the user will develop a function list by inserting functions that are appropriate to the mission/condition set identified in step 0. At this point the options available to the user are to select functions from the Generic Function List from the Product 5 Taxonomy or to type-in a function list obtained from external sources. In addition to inserting, the other options for the Current Function List menu are to modify, copy or delete an existing function. The copy and delete options are carried out as discussed in the generic command descriptions. When the user chooses to copy or delete a function, he/she also copies and deletes all the accompanying files associated with that function (i.e., task list and all accompanying parameters). The modify option is specific to the function list menu and is discussed below.

The user may choose to develop the entire list of functions initially before proceeding to develop the task list for any one particular function or, alternately, to modify each function as it is added to the list. When the user chooses to modify a

function, the Task Template for that function appears. The Task Template is a spreadsheet-like matrix that contains the task list in the leftmost column. The Task Template is composed of columns containing the following task parameters: crew position assigned to the task, relevant operating conditions, performance estimates and workload estimates. If a SPREA file exists for the new system the task list in the SPREA file will serve as the starting point for the task list for the new system. Any other task parameters that are available in the SPREA file will also be written to the Task Template. Finally, the mission/condition set defined for each function in the existing SPREA file also serves as the starting point for defining the mission/condition set for current function in the new system. The mission/condition set can be viewed by highlighting the function name on the Task Template and selecting "Describe" from the command menu bar.

If a SPREA file does not exist, the user may choose to access the Baseline Library to identify a Comparable System or he/she may choose to enter the task list directly onto the Task Template. If the user suspects that a Comparable System does exist in the Baseline Library he/she can select "Access Library" from the command menu bar. The Baseline Library of Comparable Systems will be organized according to the Product 5 Taxonomy. When the user accesses the Baseline Library, a pop-up menu will display the identification (i.e. mission area, system type, and function) which was determined in step 0. In addition, a second pop-up will be displayed that lists all the current system/ mission/condition files included in the Baseline Library. If the user chooses to select one of these files the task list and other task parameters available in the Baseline Library for that function will be displayed in a form similar to the Task Template. If the user does not choose an existing system/mission /condition file from the current id, he/she can change the id by changing any or all of the id taxons. Selecting any taxon will call up a list of alternative taxons from the Product 5 Taxonomy and through an iterative process the user can attempt to identify the system/mission /condition file which most closely resembles

the new system.

Once an user has identified a comparable system, it is necessary to decide if the tasks are appropriate to the new system. The mission/condition set is one important piece of information which is useful in making this decision. The user can choose to view the mission/condition set by highlighting the function name and selecting "Describe" from the command bar menu. The "Function Notecard" for function x of the Comparable System will display. The user can then judge if the conditions are similar enough to accept the tasks and task parameters as comparable to the new system. If the user determines that any task is appropriate, he/she can select the option to copy the task and any or all of the accompanying task parameters to the Task Template for the new system. In addition, the user may choose the option "id system" which allows him/her to begin the identification process for a different comparable system from the Baseline Library screen.

Once the user has returned to the Task Template for the new system, he/she can paste the relevant data from the Baseline Library into the Task Template. The user may also copy or delete a task and its accompanying parameters to or from the Task Template. These command options are described in the generic command descriptions.

If neither a Sprea file or a Comparable System exists it will be necessary for the user to type in the tasks directly to the Task Template. The user has two options: he/she may enter the tasks directly into the column under the heading Task List in the Task Template or he/she may choose to enter the tasks into the Current Task Listing pop-up. This pop-up provides the user more space to insert the complete task title. The user may insert, copy, or delete a task from the Current Task Listing. If the user chooses to insert a task, he/she may either type-in a task or select a task from the Generic Task List. The Current Task Listing displays the entire task title while the Task List will only display a shortened version. These two lists are identical. Every task recorded on one will be written to the

other.

When the user inserts a task into the task list he/she may wish to make a note if information in addition to what is recorded on the Task Template. The user will highlight that task and choose the "Describe" option. The Task Notecard will display. The Task Notecard contains all information currently on the Task Template and permits the user to enter any additional information he/she may wish for future reference.

Finally before the task list is completed for any particular function, the user must determine if the each of the tasks is at the proper level of detail. While the analysis can be performed at any level of detail, the desired level of detail would be what is frequently referred to as the task level of detail. This level of detail is somewhere above the button pushing/switch flipping level and below the major function level such as "identify present location". If the task detail is too shallow, the user may choose the option "decompose". The WAA does not provide the user with tools to decompose the task or to perform a detailed task analysis. Rather the decompose option will tag the task to be decomposed such that the data associated with that task will not be included in any of the WAA analyses but the task and its parameters will continue to be displayed to maintain structure and continuity for the user while he/she is in the process of developing the function and task list. The user might also choose simply to delete the task and any other task parameters available from the Task Template.

Once the user has completed the task list for a particular function, he/she can return to the Current Function List and continue to add new functions and reiterate the process.
The flow diagrams depicting the process in step 2.1 are shown in Figure 3.6.1 to Figure 3.6.1-3b. Figures 3.6.1 and 3.3.2 depict the development of the Current Function List. Figure 3.6.1-2 through 3.6.1-3b show the process of modifying the Task Template and completing the Current Task Listing. Specifically, Figure 3.6.1-2 to Figure 3.6.1-2b depict developing the Current Task Listing. Figure 3.6.1-3 through Figure 3.6.1-3b shows how to

identify and copy task and task parameters for a Comparable System from the Baseline Library.

Figure 3.6.0 Workload Analysis Aid Main Menu

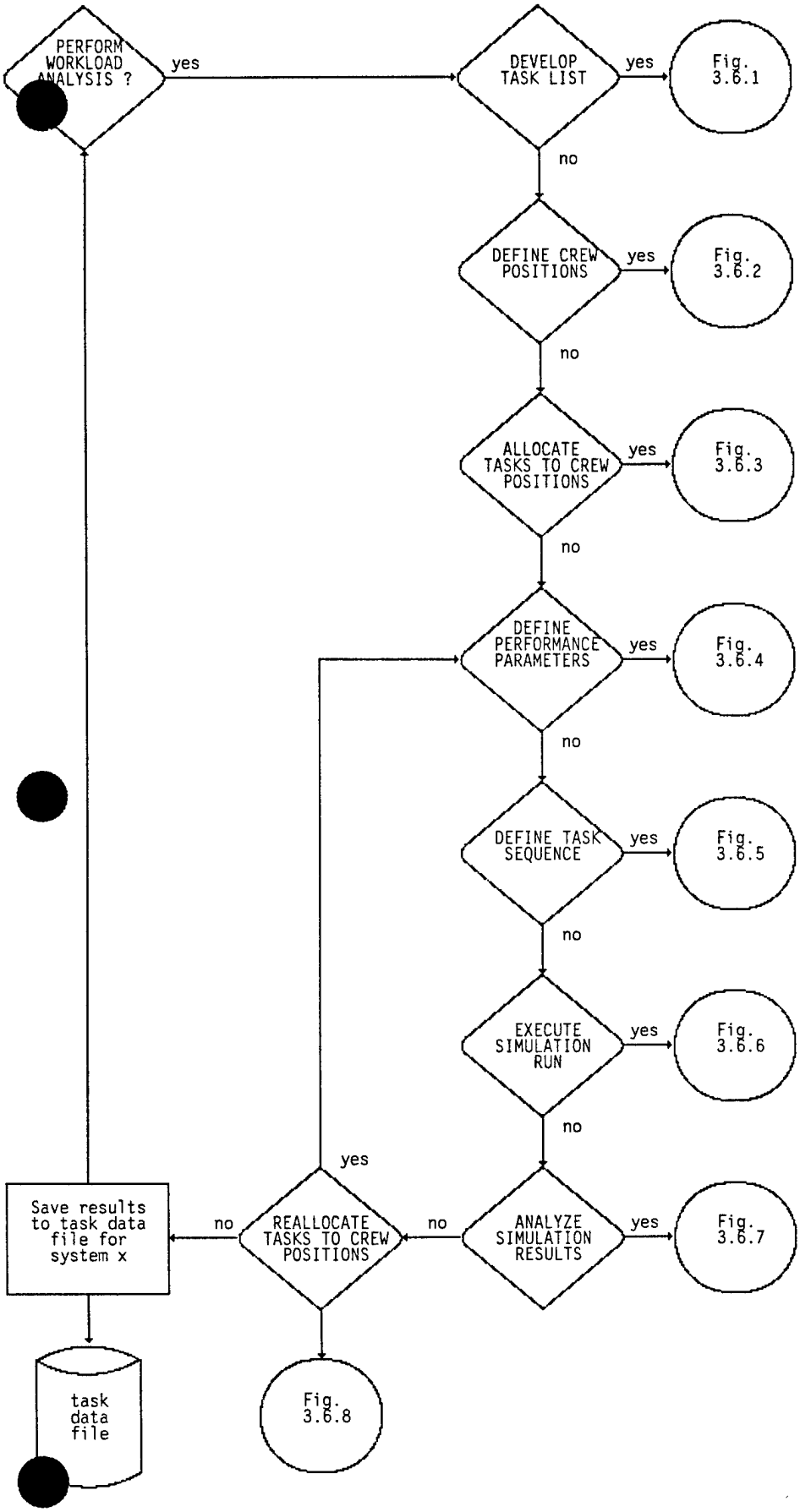


Figure 3.6.1 Develop Function List

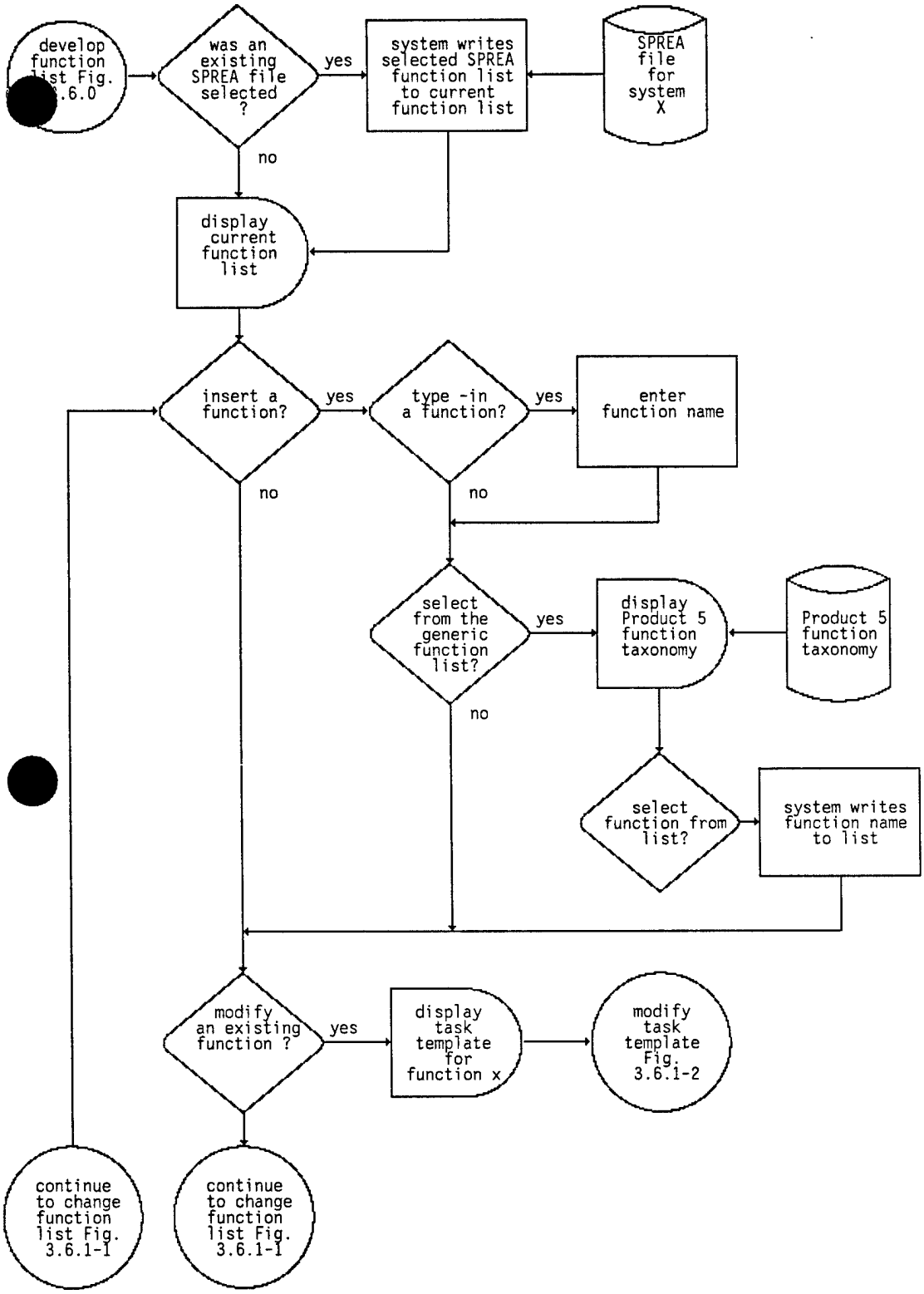


Figure 3.6.1-1 Develop Function List (continued)

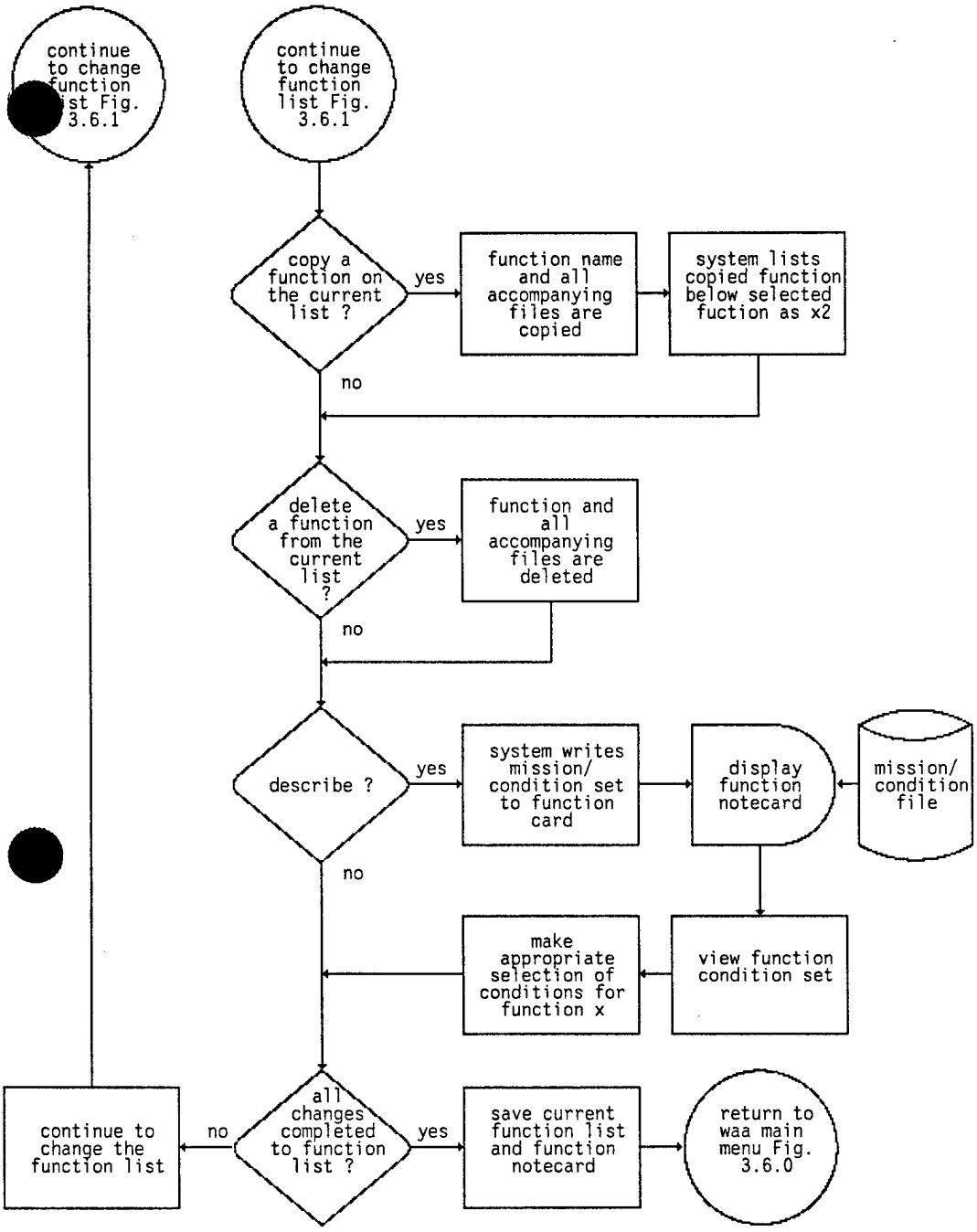


Figure 3.6.1-2 Modify Task Template for Function X

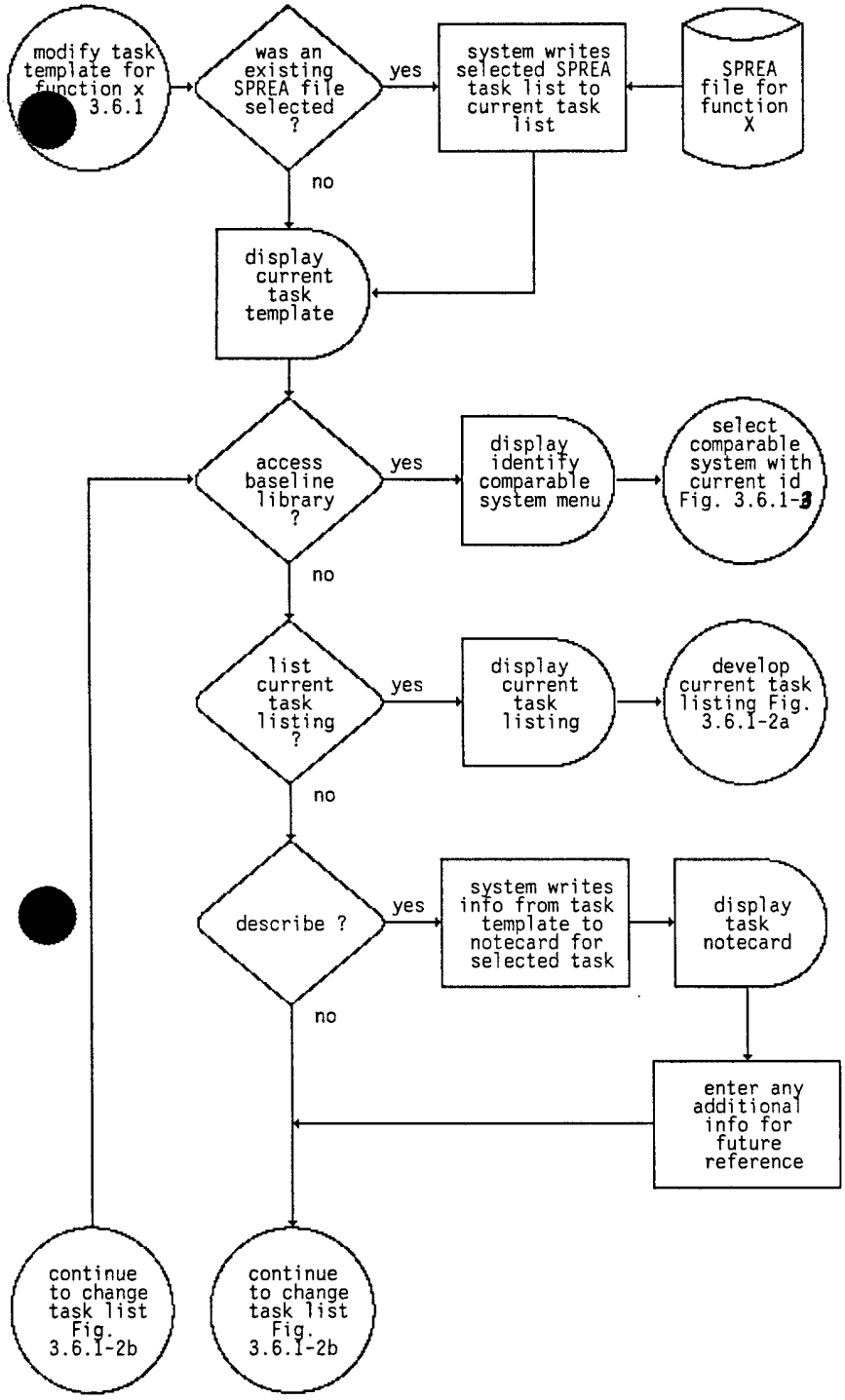


Figure 3.6.1-2a Modifying Task Template for Function X (continued)

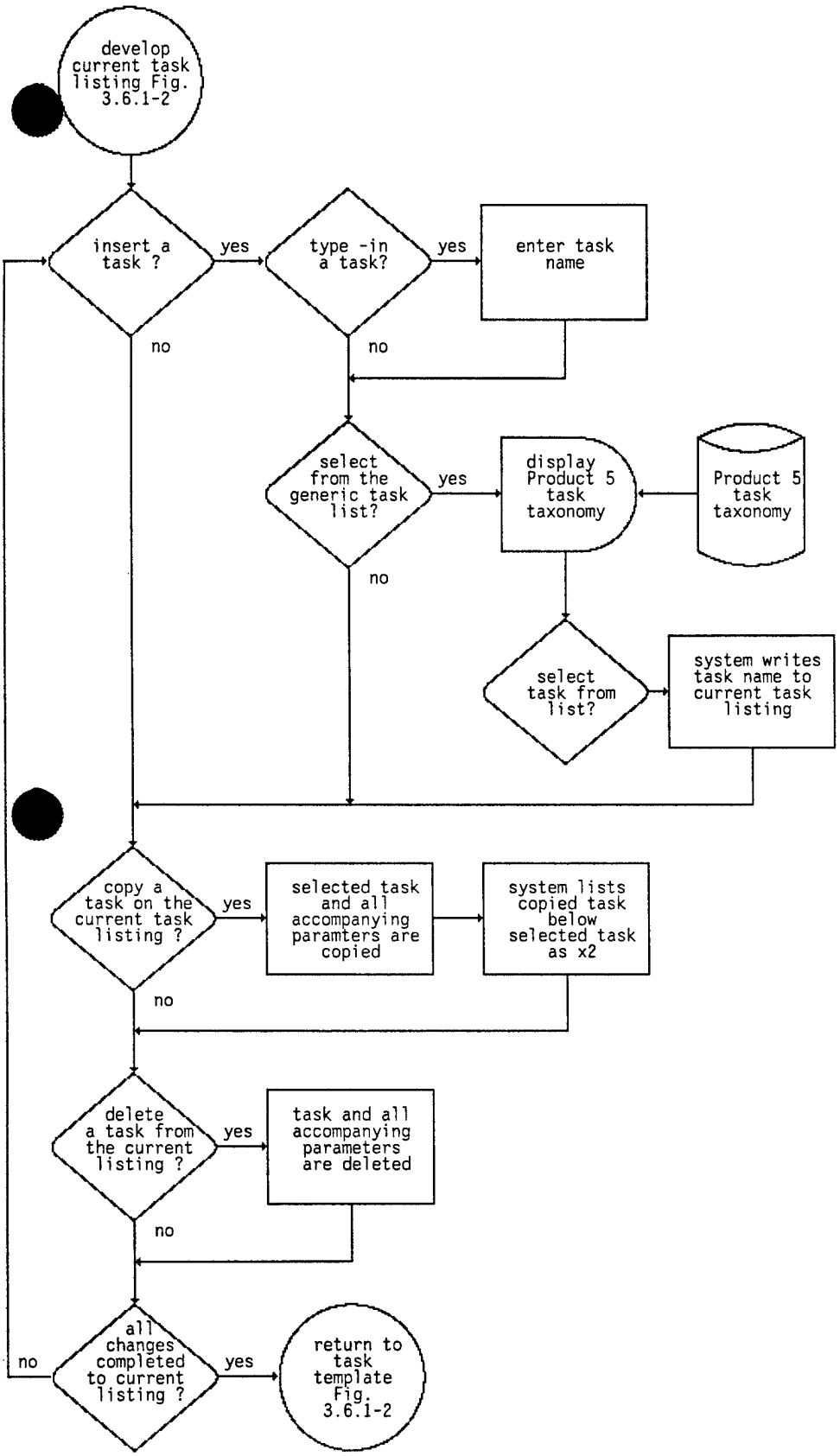


Figure 3.6.1-2b Modify Task Tenplate for Function X (continued)

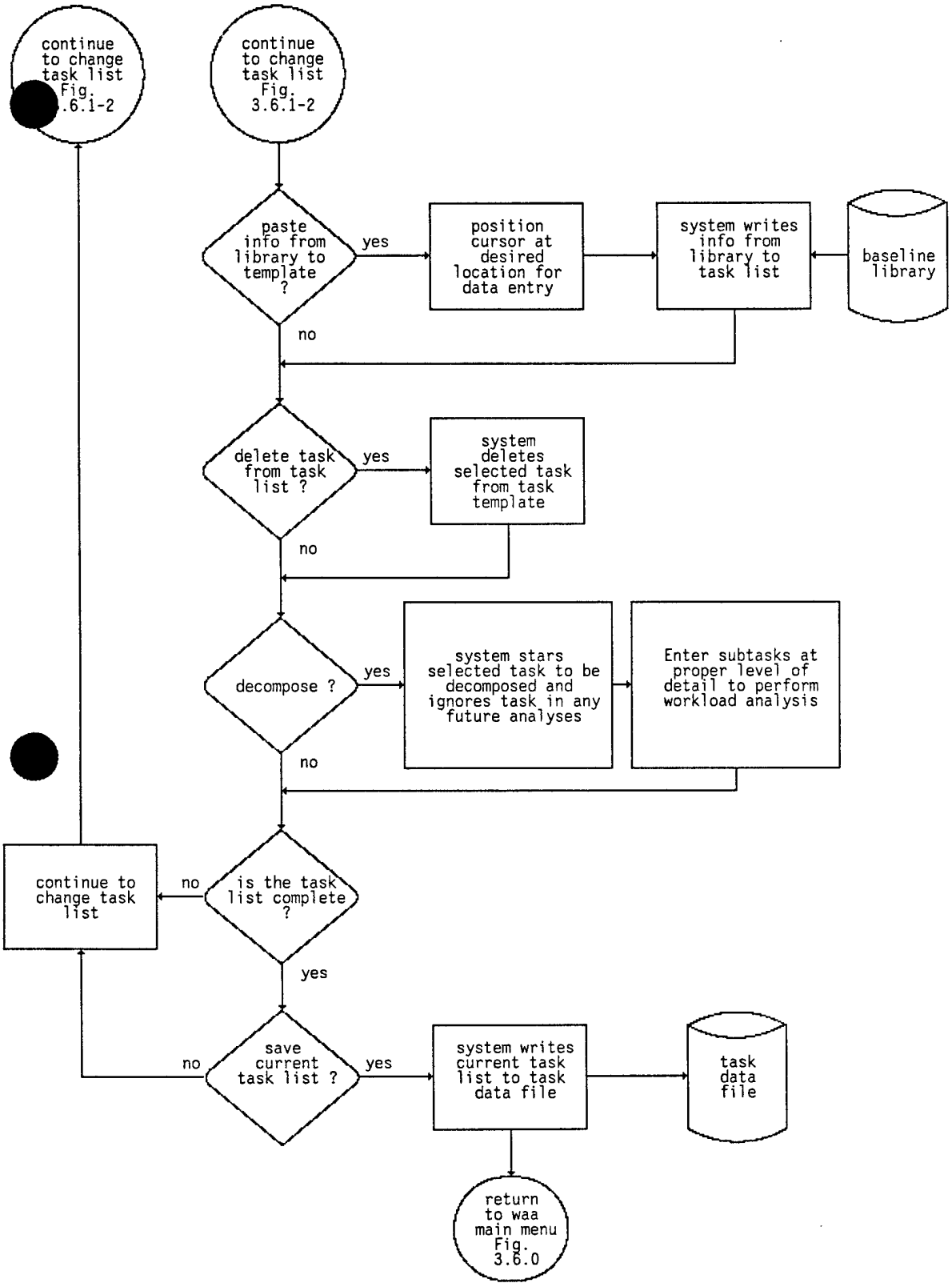


Figure 3.6.1-3 Copy Data for a Comparable System from the Baseline Library

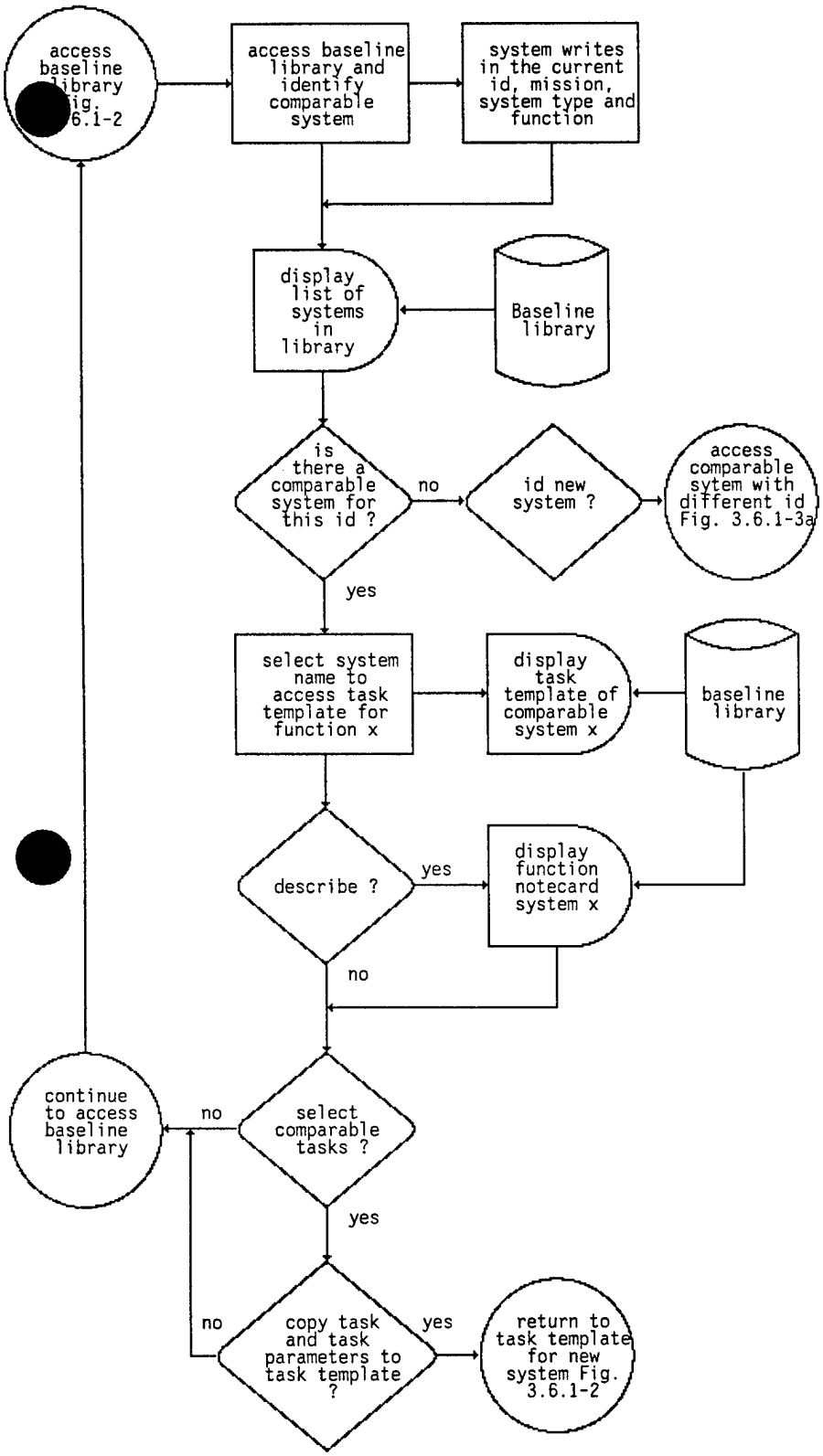


Figure 3.6.1-3a Copy Data for a Comparable System from the Baseline Library (continued)

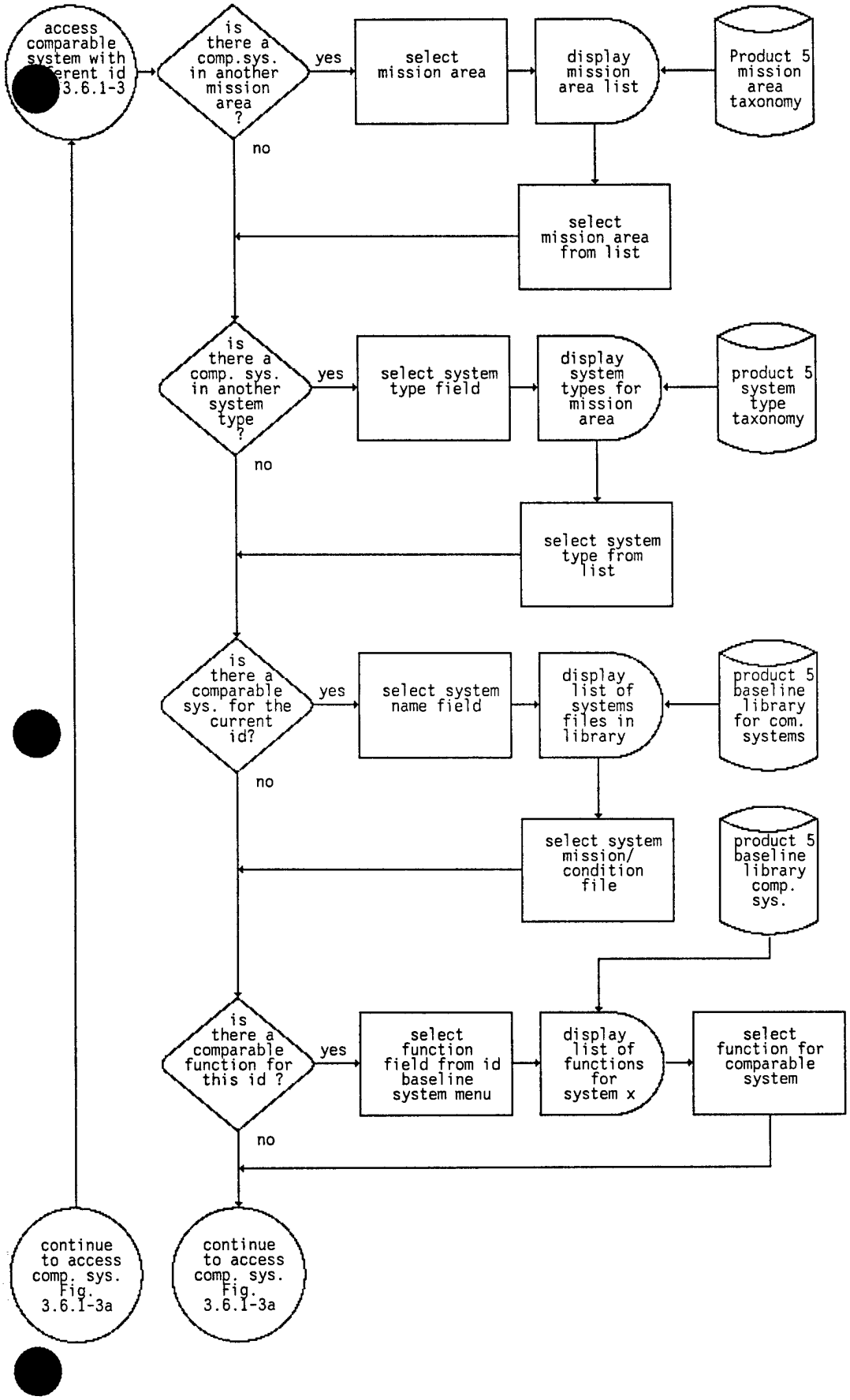
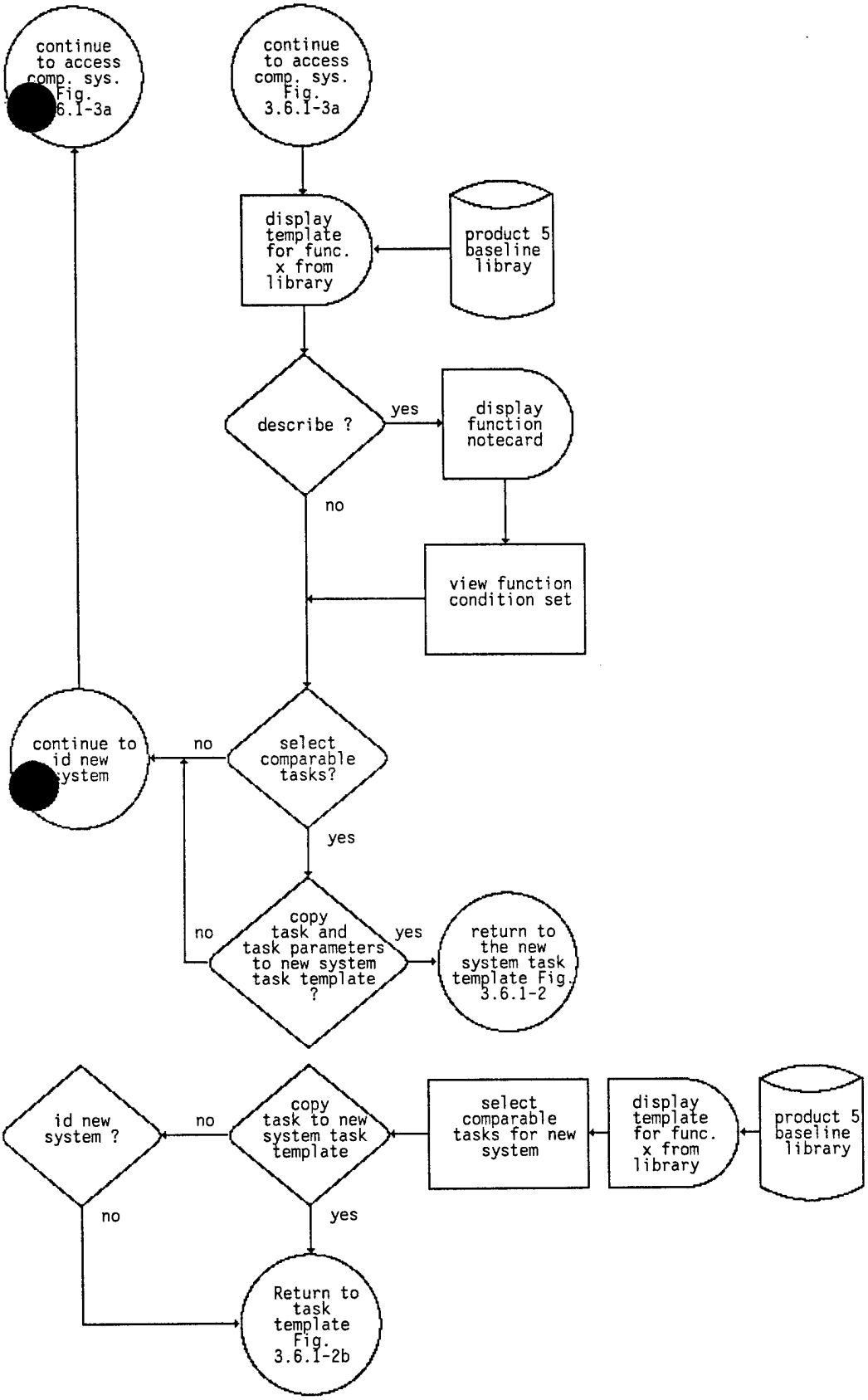


Figure 3.6.1-3b Copy Data for a Comparable System from the Baseline Library (continued)



3.6.1.3 Output

The output of this step will be a set of Task Templates for each function to be included in the simulation of a mission under a specific set of conditions. The Task Template will include a task list and any data for task parameters that has been copied from an existing SPREA file or from a Comparable System in the Baseline Library. In addition, the Task Notecard and Function Notecard are updated in this step.

3.6.1.4 User Interface

The user interfaces that apply to this step are described in detail on the following pages. Pleas note that all screens for the WAA are labeled "Screen 2.X".

Screen 2.0 - Flowchart Menu for the WAA.

This screen is a menu of the steps the user will perform in conducting a workload analysis for a new system design. The arrows in the flowchart indicate the order in which the steps are to be performed. The user can use the arrow keys and normal selection procedures to make a selection.

User Actions:

1. Develop Task List - Next screen is 2.1.1.

2. Define Crew Positions - Next screen is 2.2.1.

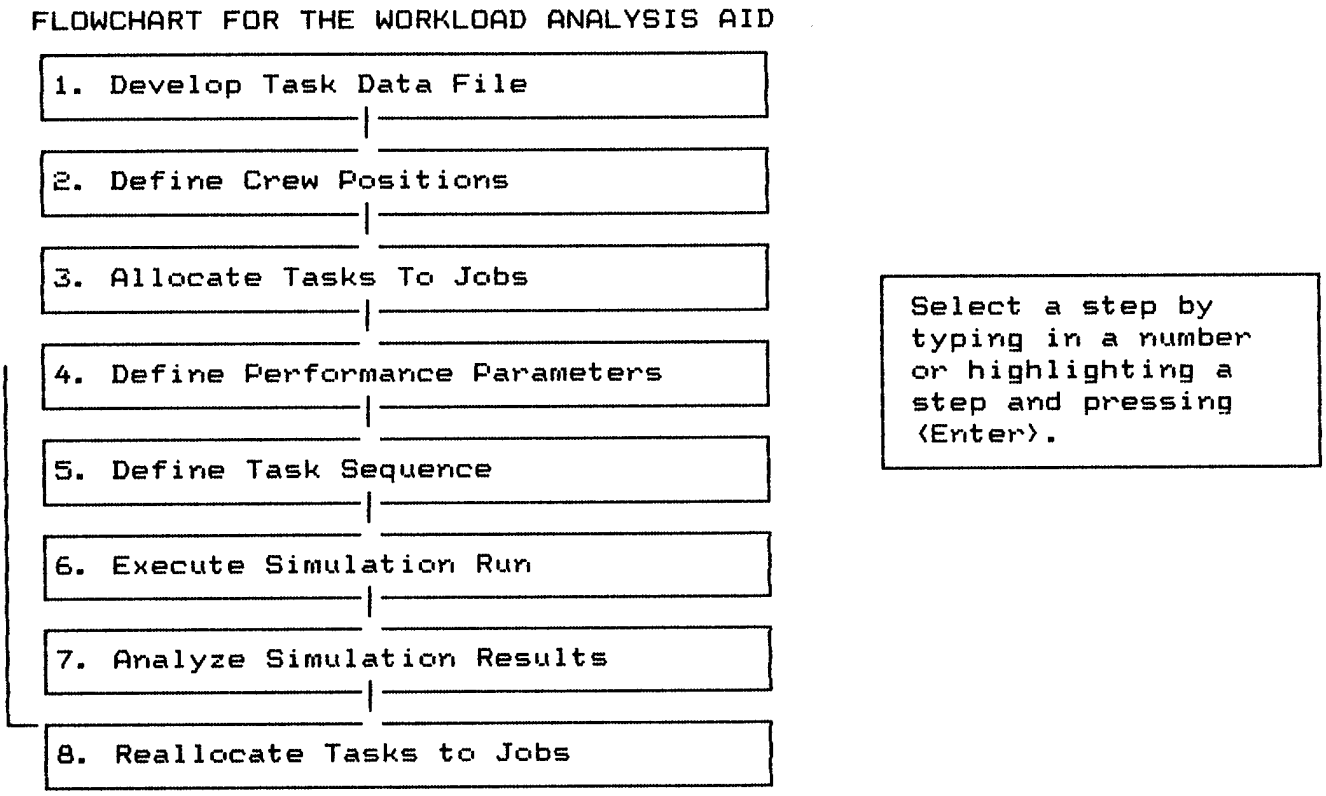
3. Allocate Tasks to Crew Positions - Next Screen is 2.3.1. When this option is selected, the system will read the Task Data File containing both the task list and the crew/position list associated with that function. Therefore, this option should not be selected until both step 2.1 and 2.2 have been completed. If these internal files have not been developed a warning message will display indicating that these steps must be completed first prior to beginning step 2.3.

4. Define Task Performance Parameters - Next screen is 2.4.1. The prerequisite for selecting step 2.3 is the completion of all prior steps. A warning message will display if these previous steps have not been completed.

5. Define Task Sequencing - Next screen is 2.5.1.

6. Execute Simulation Run - Next screen is 2.6.1.

7. Analyze Simulation Results - Next screen is 2.7.1.



Screen 2.0 - Flowchart Menu for the WAA.

8. Reallocate Tasks to Crew Positions - Next screen is 2.8.1.

Screen 2.1.1 - Current Function List

This screen lists the current (saved) functions for the new system. The first time the user accesses this screen the list will be blank unless a SPREA file was selected in step 0 as a starting point for the MDA. From this screen the user can use generic commands to insert, modify, copy, or delete in order to create the function list.

User Actions:

insert - When the insert command is highlighted, the user can the normal selection strategies to choose a function after which the new function will be inserted into the current function list for the new system. Next screen is 2.1.4.

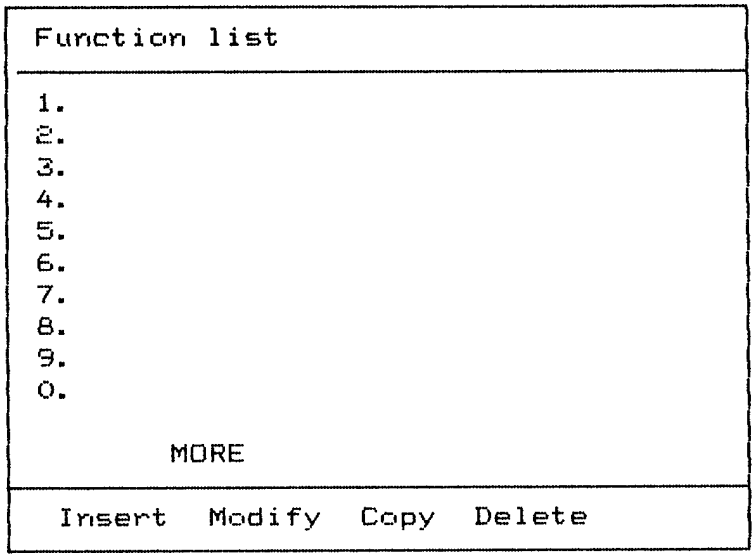
modify - When the modify command is highlighted, the user can use the normal selection strategies to choose a function for which to add or modify tasks or task parameters. When the name of a function is selected the Task Template for that function will be displayed. Next screen is 2.1.5.

copy - When the copy command is highlighted, the user can make an exact copy of a selected Task Template for a particular function under a new name. The name of the new system is displayed directly below the copied function in the list.

delete - When the delete command is highlighted, the user can use normal strategies to choose a function and its Task Template to delete from the disk.

<ESC> - Returns the user to screen 2.1.1.

PATH:MDA>WAA>Develop Task List MODE:WORK



Screen 2.1.1 - Current Function List

Screen 2.1.2 - Function list with a blank field displayed at the insert position and the "type-in" and "select" commands displayed. From this screen the user can choose to type-in a new function name or to select a new function name from a generic list of functions for the identified system type.

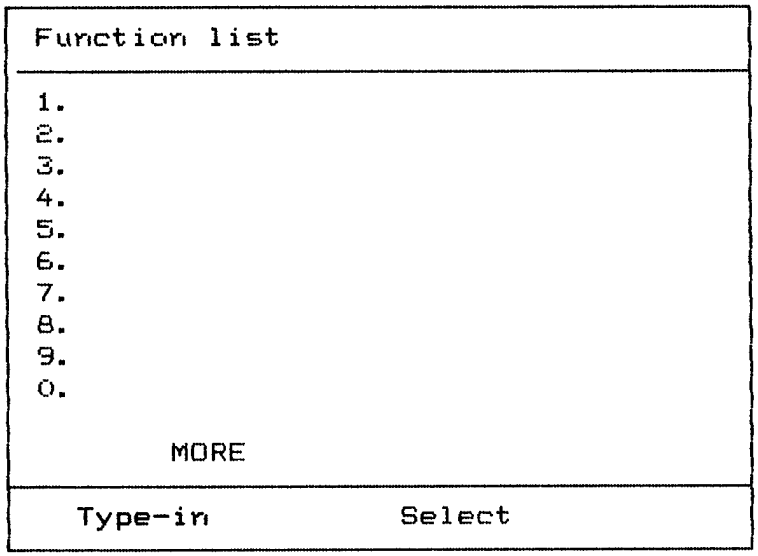
User Actions:

type-in - When this command is selected, a flashing cursor will be displayed at the insertion point. Next screen is 2.1.3.

select - When this is the selected command, a list of generic functions for the identified system displays. Next screen is 2.1.4.

<ESC> - Returns the user to screen 2.1.1.

PATH:MDA)WAA)Develop Task List MODE:WORK



Screen 2.1.2 - **Function list with a blank field displayed at the insert position and the "type-in" and "select" commands displayed.**

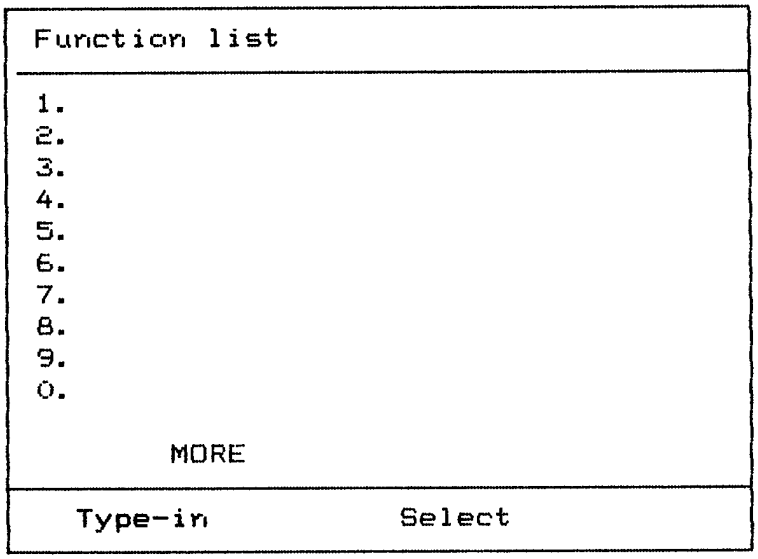
Screen 2.1.3 - List of Functional Systems with a flashing cursor displayed at the insertion point.

From this screen, the user can type-in the name of a function.

User Actions:
The user will use normal editing keys and procedures to enter the name of the function for the new system. The string of characters that constitute the name will be terminated by pressing the <ENTER> key. This action returns the user to the choice of typing in another function name, selecting. Next screen 2.1.2.

<ESC> - Returns the user to screen 2.1.1.

PATH:MDA)WAA)Develop Task List MODE:WORK



Screen 2.1.3 - List of Functional Systems with a flashing cursor displayed at the insertion point.

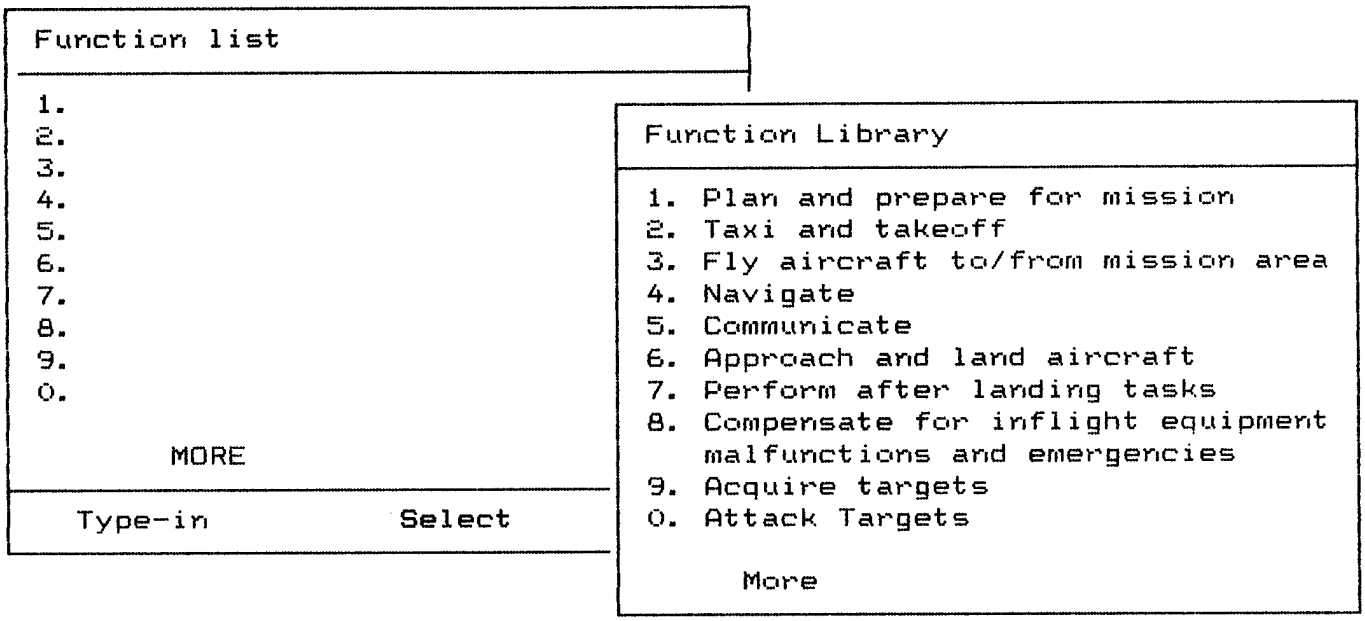
Screen 2.1.4 - Generic Function List for the Identified System Type.

From this screen the user can select a name for the function to be inserted.

User Actions:
Using the normal menu selection procedures, the user can choose a function name. Next screen is 2.1.5.

<ESC> - Returns the user to 2.1.3.

PATH:MDA)WAA)Develop Task List MODE:WORK



Screen 2.1.4 - Generic Function List for the Identified System Type.

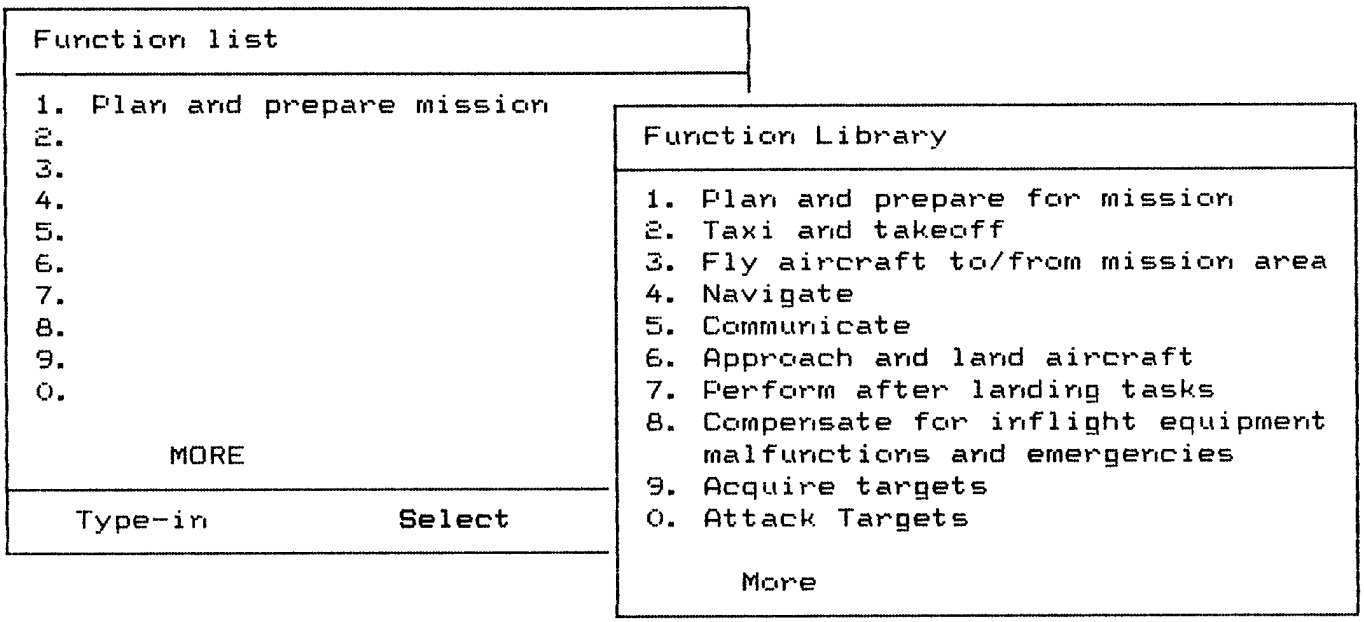
Screen 2.1.5 - Current Function List with Function inserted from the Generic Function List

This screen displays the Current Function List with the function that was selected from the Generic Function List in the previous step inserted into the position previously occupied by the flashing cursor. From this screen the user may choose to select another task from the Generic Function List or return to the Current Function List.

User Actions:
Using the normal selection procedures the user can choose a function name.

<ESC> - Returns the user to 2.1.3.

PATH:MDA)WAA)Develop Task List MODE:WORK



Screen 2.1.5 - Current Function List with Function inserted from the Generic Function List

Screen 2.1.6 - Task Template with current Task List for Function To Be Modified.

From this screen, the user can use normal template editing keys and procedures to enter the name of each task in the function. If a SPREA file was identified in step 0 then the list of tasks used in the SPREA analysis will be the starting point from which to modify the task list. The tasks and task parameters from the SPREA file will display on the Task Template. In this step the current task list menu will be displayed over the template. The task list column displayed on the Task Template is a brief definition of the task. If a SPREA file does not exist then the template will be blank. The user may choose to enter the task directly onto the Task Template if a short title is sufficiently descriptive. If the user wishes to enter a longer title he/she may choose to display the template menu bar from which he/she would select the option "List". The task list column of the template and the List menu are the same file. The task list column is a smaller display (a shortened version) of what is contained in the "List".

User Actions:
Using normal editing procedures the user will enter the task names directly into the template.

<ESC> - Returns the user to screen 2.1.1.

F9 - Displays the template menu bar which lists the options available to the user from the Task Template. Next screen is 2.1.7.

PATH:MDA)WAA)Develop Task List MODE:WORK

TASK TEMPLATE		FUNCTION: Approach and Land Aircraft						
Task List	Job	Conditions	Time Estimates Expected	Best/Worst	Workload Estimates			
			μ time	± time	V	C	A	P
			0000.00	0000.00				

Screen 2.1.6 - Task Template with current Task List for Function To Be Modified.

Screen 2.1.7 - Task Template for Function X with Menu Bar Displayed.

From this screen, the user can gain access to the Current Task Listing, the Task Notecard,the Function Notecard and the Baseline Library, paste whatever tasks and tasks parameters have been copied from the Baseline Library, delete tasks from the task list, and decompose tasks.

User Actions:

Access Library - Switches the user to the Identify Comparable System menu which allows the user to access the Baseline Library. Next screen is 2.1.8.

List - Displays the Current Task Listing as a pop-up menu overlayed on the Task Template. Next screen is 2.1.17.

Describe with task highlighted - Displays the Task Notecard for the highlighted task. Next screen is 2.1.22.

Describe with the function name highlighted - Displays the Function Notecard. Next screen is 2.1.23.

Decompose - Tags the task selected with an asterisk so that the data will not be included in any further analyses. Next screen is 2.1.24.

Paste - Pastes the task and task parameters which have been copied in the copy buffer from the Baseline Library into the Task Template. See section 3.1 for a narrative description.

Delete - Deletes the highlighted task and task parameters from the Task Template. User uses normal selection strategies to choose the task and task parameters. See section 3.1 for a narrative description. See screens 1.5

and 1.22 of the MMAA for examples.

PATH:MDA)WAA)Develop Task List MODE:WORK

Access Library List Describe Decompose Paste Delete

TASK TEMPLATE		FUNCTION: Approach and Land Aircraft						
Task List	Job	Conditions	Time Estimates Expected	Best/Worst	Workload Estimates			
			μ time	± time	V	C	A	P
			0000.00	0000.00				

Screen 2.1.7 - Task Template for Function X with Menu Bar Displayed.

Screen 2.1.8 - Identify Comparable System menu to access the Baseline Library.

This menu displays the Mission Area, System Type, and Function that was identified in step 0. The System Mission/Condition Set Name field is blank. The user can change any of these fields or select the System Name field to identify a comparable system.

User Actions:

Mission Area - Next screen is 2.1.9.

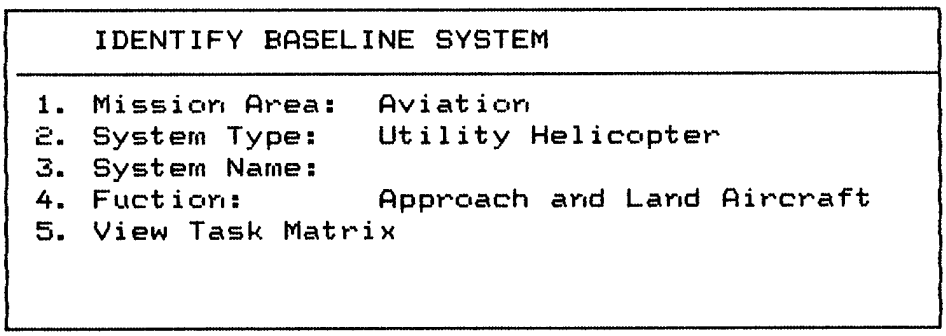
System Type - A menu of System types for the identified Mission Area displayed. Next screen is 2.1.10.

System Name - A list of System names that a recorded in the Baseline Library for the identified System Type. This name also represents a specific mission and condition set. Next screen is 2.1.11. If the System Type has not been identified, an error message will appear.

Function - A list of functions for the System Name displayed. Next screen is 2.1.12. If a system name has not been identified then an error message will display.

View Task Matrix - A matrix of tasks and task parameters for the displayed function from the Baseline Library displays. Next screen is 2.1.13.

PATH:MDA)WAA)Develop Task List MODE:WORK



Screen 2.1.8 - Identify Comparable System menu to access the Baseline Library.

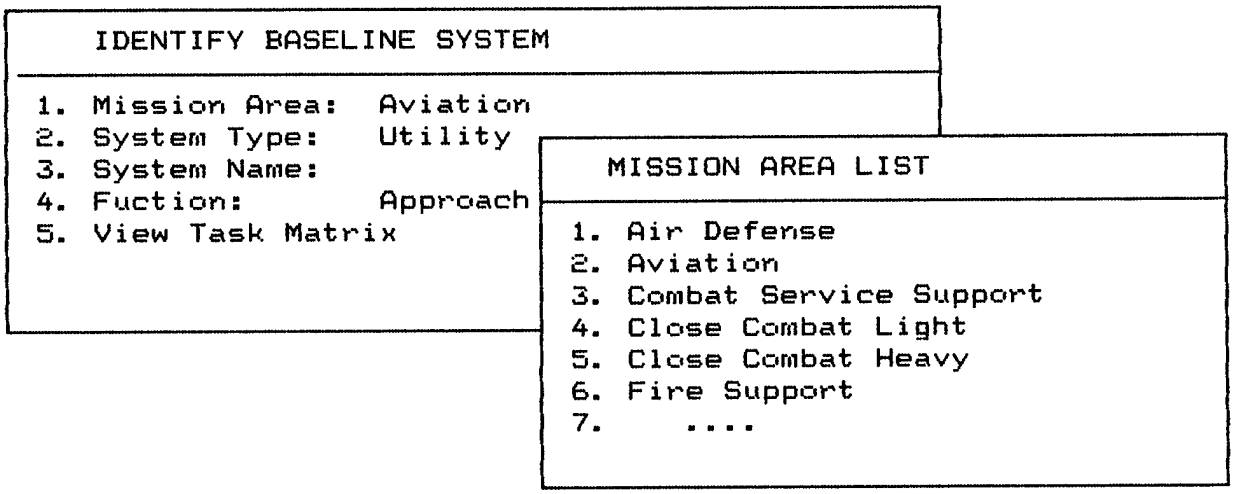
Screen 2.1.9 - Mission Area List

From this menu, the user can select a Mission Area to begin the search for a comparable system.

User Actions:
Using normal menu selection strategies the user will select a Mission Area from the list. Next screen is 2.1.8.

<ESC> - Return the user to screen 2.1.8.

PATH:MDA)WAA)Develop Task List MODE:WORK



Screen 2.1.9 - Mission Area List

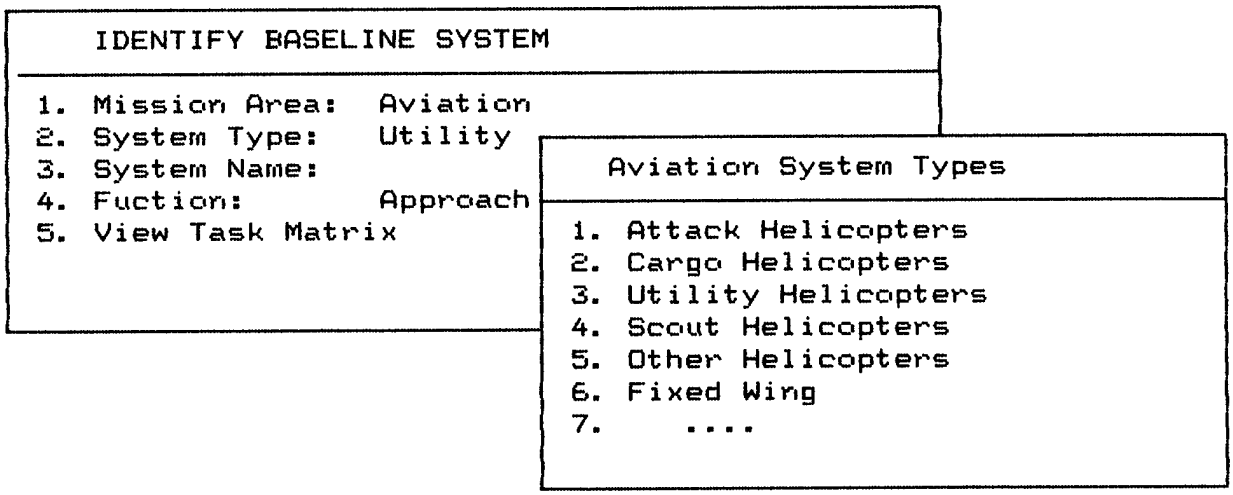
Screen 2.1.10 - List of System Types for the identified Mission Area.

From this menu, the user can select a System Type to search for a comparable system.

User Actions:
Using normal menu selection strategies the user will select a System Type from the list. Next screen is 2.1.8.

<ESC> - Return the user to screen 2.1.8.

PATH:MDA)WAA)Develop Task List MODE:WORK



Screen 2.1.10- **List of System Types for the identified Mission Area.**

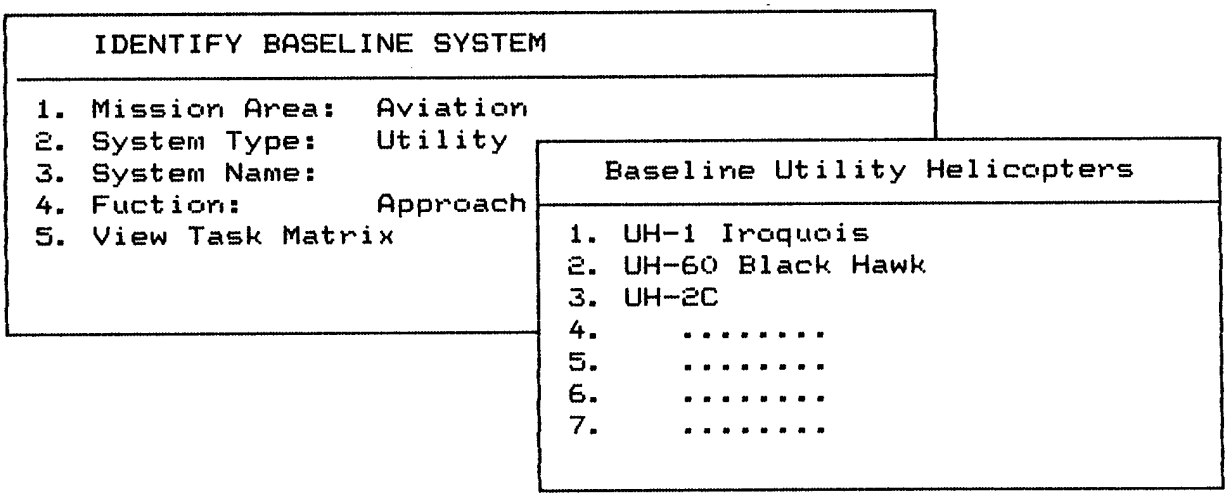
Screen 2.1.11 - List of System Mission/Condition file in the Baseline Library for the identified System Type.

From this menu, the user can select a System Mission/Condition file to search for a comparable system.

User Actions:
Using normal menu selection strategies the user will select a System Mission/Condition file from the list. Next screen is 2.1.8.

<ESC> - Return the user to screen 2.1.13.

PATH:MDA)WAA)Develop Task List MODE:WORK



Screen 2.1.11 - **List of System Mission/Condition file in the Baseline Library for the identified System Type.**

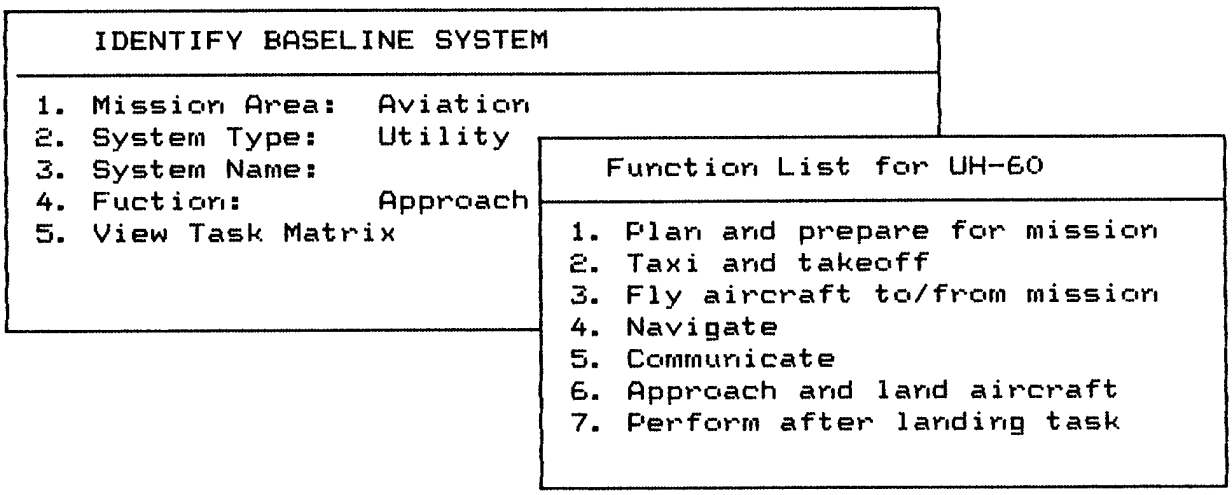
Screen 2.1.12 - List of Functions that are recorded in the Baseline Library for the System Mission/Condition Set displayed.

From this menu, the user can select a function to search for a comparable system.

User Actions:
Using normal menu selection strategies the user will select a function from the list. Next screen is 2.1.8.

<ESC> - Return the user to screen 2.1.8.

PATH:MDA)WAA)Develop Task List MODE:WORK



Screen 2.1.12 - **List of Functions that are recorded in the Baseline Library for the System Mission/Condition Set displayed.**

Screen 2.1.13 - Matrix of tasks for function X of the identified Comparable System in the Baseline Library.

From this screen the user can use normal cursor movement functionality to view each of the tasks and its associated parameters in the matrix. When the user is ready to copy one or more components in the buffer, he/she will highlight the component. The cell cursor in the Baseline Library will always highlight a task and its associated parameters since the copy operation in the Baseline Library will always copy all of the task parameters for a given task. To highlight a block of tasks, the user will move the cell cursor to the first task in the block and then press the <ENTER> key. This will "anchor" the highlighting. Then the user can use the up and down arrow keys to highlight additional tasks and their parameters.

User Actions:
Using the cell highlighting procedures outlined above the user will highlight cells.

F9 - Displays a menu bar of commands that are available from this matrix. Next screen is 2.1.14.

<ESC> - When a block of components is highlighted, this key will de-highlight all but the first component in the block. When only one component is highlighted, pressing this key will return the user to screen 2.1.8.

PATH:MDA)WAA)Develop Task List MODE:WORK

BASELINE LIBRARY		FUNCTION: Approach and Land Aircraft						
Task List	Job	Conditions	Time Estimates Expected	Best/Worst	Workload Estimates			
			μ sec.	± sec.	V	A	C	P
Prepare before landing checks	Co-pilot	day	40.00	5.00	5	1	5	2
Approach	Pilot	day, clear, VFR, lead	90.00	10.00	6	1	6	4
Land	Pilot	LZ confined, flat, grassy	30.00	5.00	6	1	6	4
Taxi	Pilot	LZ confined, flat, grassy	5.00	1.00	2	0	0	2

Screen 2.1.13 - Matrix of tasks for function X of the identified Comparable System in the Baseline Library.

Screen 2.1.14 - Matrix of tasks for function X of the identified Comparable System in the Baseline Library with the command menu bar displayed.

From this screen the user can select and initiate any of the displayed commands.

User Actions:

Copy - When the copy command is selected, the system will copy all highlighted tasks and their parameters into the copy buffer. Any information already in the buffer will be lost. The screen remains the same.

Describe - When this command is selected, if a task is highlighted the system will display a Task Notecard or if the function name is highlighted it will display a Function Notecard. An example of a screen with a Task Notecard is 2.1.15. An example of a screen with a Function Notecard is 2.1.16.

Switch - Switches the user back to the current Task Template. Next screen is 2.1.8.

ID New System - Returns the user to the Identify Baseline System menu. Next screen is 2.20.

PATH:MDA)WAA)Develop Task List MODE:WORK
Copy Describe Switch ID New System

BASELINE LIBRARY		FUNCTION: Approach and Land Aircraft						
Task List	Job	Conditions	Time Estimates Expected	Best/Worst	Workload Estimates			
			μ sec.	± sec.	V	A	C	P
Prepare before landing checks	Co-pilot	day	40.00	5.00	5	1	5	2
Approach	Pilot	day, clear, VFR, lead	90.00	10.00	6	1	6	4
Land	Pilot	LZ confined, flat, grassy	30.00	5.00	6	1	6	4
Taxi	Pilot	LZ confined, flat, grassy	5.00	1.00	2	0	0	2

Screen 2.1.14 - Matrix of tasks for function X of the identified Comparable System in the Baseline Library with the command menu bar displayed.

Screen 2.1.15 - Task Notecard for Comparable system task

This is an informational screen to help the user decide if this is truly a comparable task to the one in the new system. It gives the user all the current information about the highlighted task that is currently available in the Baseline Library in an unabbreviated version. The user may not enter any information on Task Notecards in the Baseline Library.

User Actions:

<ENTER> - Returns the user to screen 2.1.13.

<ESC> - Returns the user to screen 2.1.13.

PATH:MDA)WAA)Develop Task List MODE:WORK

Copy **Describe** Switch ID New System

BASELINE LIBRARY

Task List	Job	Con
Prepare before landing checks	Co-pilot	day
Approach	Pilot	day VFR
and	Pilot	LZ fla
Taxi	Pilot	LZ fla

TASK NOTECARD

TASK: Perform prelanding checks

DESCRIPTION: Check all instruments and gages, i.e., warning lights, radio freq. circuit breaker panels, tail wheel and parking brake switch. Also check crew and equipment.

FUNCTION: Approach and land aircraft

CONTROL\DISPLAY: Instrument panels, lower console

CREW: Co-pilot

COMMENTS:

Screen 2.1.15 - Task Notecard for Comparable system task

Screen 2.1.16 - Function Notecard for the function identified in the Baseline Library.

This is an informational screen that gives the user all the current information about the highlighted function that is currently available in the Baseline Library. It contains the complete ID, Performance estimates and Conditions. The user may not enter any information on the Function Notecard in the Baseline Library.

User Actions:

<ENTER> - Returns the user to screen 2.1.13.

<ESC> - Returns the user to screen 2.1.13.

FUNCTION DESCRIPTION CARD
Function: Approach and Land System Type: Utility helicopter System Name: Black Hawk Mission: Transport combat troops
TIME ESTIMATES Most likely 180.00 sec. Best 150.00 sec Worst 210.00 sec.
TYPICAL CONDITIONS
1. Enviormmental 2. Terrain 3. Target/threat related 4. Friendly forces related

Screen 2.1.16 - **Function Notecard for the function identified in the Baseline Library.**

Screen 2.1.17 - Current Task Listing

This screen displays the current task list for the new system. The Current Task Listing menu has a larger field to display a more complete task title. The first time the user accesses this screen the list will be blank unless a SPREA file was selected in step 0 a starting point for the MDA. From this screen the user can use the generic commands to insert, modify, copy, or delete in order to create the task list.

User Actions:

insert - Uses normal selection strategies to choose a task after which the new task will be inserted into the current task list. Next screen is 2.1.18.

copy - When copy is highlighted, the selected task titles is copied and displayed directly below the copied task in the list.

delete - Use normal selection strategies to choose a task to delete from the list.

<ESC> - Returns user to screen 2.1.6.

PATH:MDA)WAA)Develop Task List MODE:WORK

Access Library List Describe Decompose Paste Delete

TASK TEMPLATE FUNCTION: Approach and Land Aircraft

CURRENT TASK LISTING
FUNCTION: Approach and land aircraft

1.
2.
3.
4.
5.
6.
7.
0.

MORE

Insert Copy Delete

es /Worst	Workload Estimates			
sec.	V	C	A	P
5.00	5	1	5	2

Screen 2.1.17 - Current Task Listing

Screen 2.1.18 - Current Task Listing with a blank field at the insert point and the "type-in" and "select" commands displayed.

From this screen the user can choose to type in a task name or to select a task name from a generic list of task from the Product 5 taxonomy.

User Actions:

type-in - When this command is selected, a flashing cursor will be displayed at the insertion point. Next screen is 2.1.19.

select - When this is the selected command, a list of generic functions for the identified system displays. Next screen is 2.1.20.

<ESC> - Returns the user to screen 2.1.6.

PATH:MDA)WAA)Develop Task List MODE:WORK

Access Library List Describe Decompose Paste Delete

TASK TEMPLATE FUNCTION: Approach and Land Aircraft

CURRENT TASK LISTING
FUNCTION: Approach and land aircraft

1.
2.
3.
4.
5.
6.
7.
8.
.

MORE

Type-in Select

es /Worst Workload Estimates				
sec.	V	C	A	P
5.00	5	1	5	2

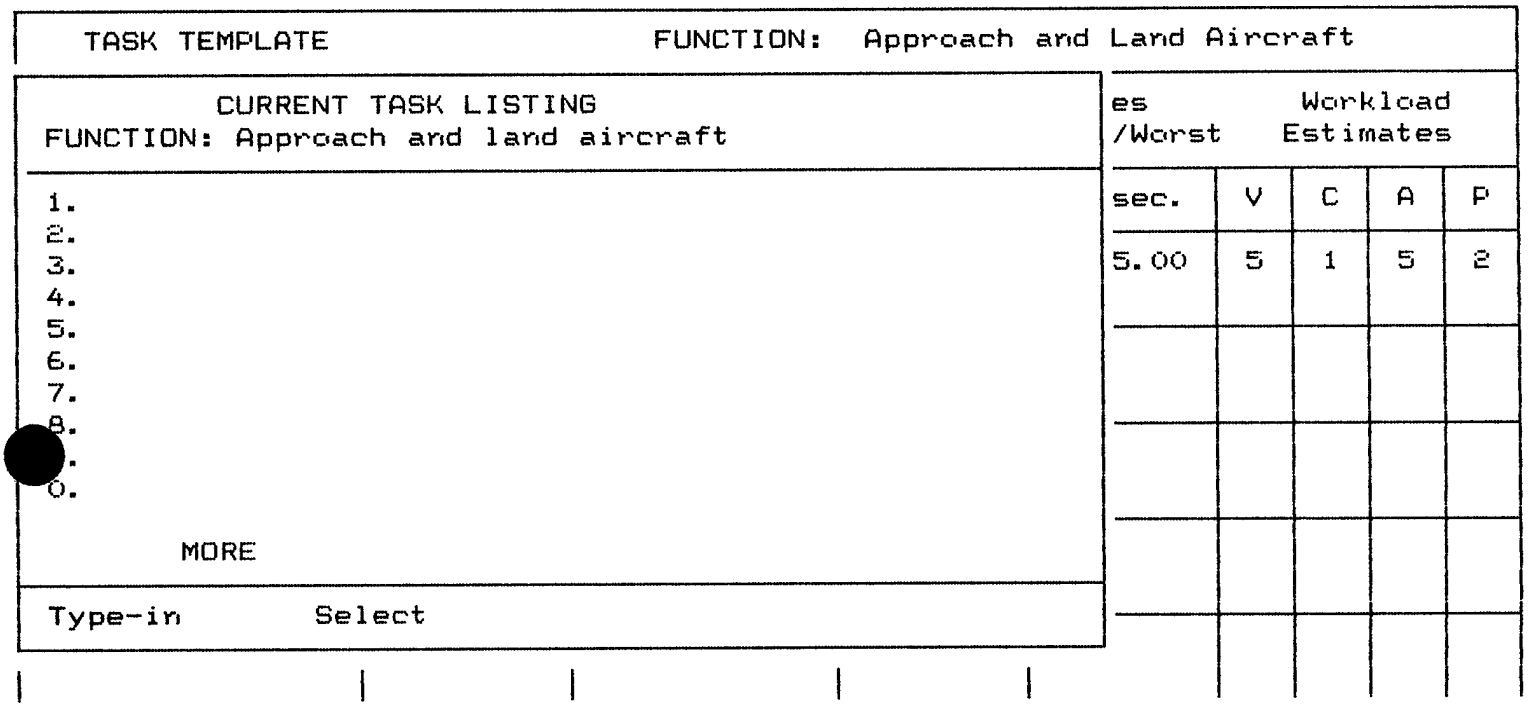
Screen 2.1.18 - **Current Task Listing with a blank field at the insert point and the "type-in" and "select" commands displayed.**

Screen 2.1.19 - Current Task Listing with a flashing cursor displayed at the insertion point.

From this screen the user can type in the name of a task.

User Action:
The user will use normal editing keys and procedures to enter the name of the function for the new system. The string of characters that constitute the name will be terminated by pressing the <ENTER> key. This action returns the user to the choice of typing in another task name or selecting a task from the Generic Task List. Next screen 2.1.18.

PATH:MDA)WAA)Develop Task List MODE:WORK
Access Library List Describe Decompose Paste Delete



Screen 2.1.19 - **Current Task Listing with a flashing cursor displayed at the insertion point.**

PATH:MDA)WAA)Develop Task List MODE:WORK

Access Library List Describe Decompose Paste Delete

TASK TEMPLATE FUNCTION: Approach and Land Aircraft

CURRENT TASK LISTING
FUNCTION: Approach and land aircraft

es Workload
/Worst Estimates

1.
2.
3.
4.
5.
6.
7.
8.
9.
0.

MORE

Type-in Select

GENERIC TASK LIST
FUNCTION: Approach and Land Aircraft

1. Perform prelanding checks
2. Approach
3. Land
4. Taxi
5. .
6. .
7. .
8. .
9. .
0. .

More

Screen 2.1.20 - Current Task Listing and Generic Task List Overlayed on the Task Template for Function X.

Screen2.1.20 - Current Task Listing and Generic Task List Overlayed on the Task Template for Function X.

From this screen the user can select a name for the task to be inserted.

User Actions:
Using the normal menu selection procedures, the user can choose a task name. Next screen is 2.1.21.

<ESC> - Returns the user to 2.1.18.

Screen 2.1.21 - Current Task Listing and Generic Task List with task inserted

This screen shows the task selected from the Generic Task List inserted into the Current Task List.

User Actions:

<ESC> - Returns user to 2.1.17.

PATH:MDA)WAA)Develop Task List MODE:WORK

Access Library List Describe Decompose Paste Delete

TASK TEMPLATE FUNCTION: Approach and Land Aircraft

CURRENT TASK LISTING
FUNCTION: Approach and land aircraft

es Workload
/Worst Estimates

1. Perform prelanding checks
2.
3.
4.
5.
6.
7.
8.
9.
0.

MORE

Type-in Select

GENERIC TASK LIST
FUNCTION: Approach and Land Aircraft

1. Perform prelanding checks
2. Approach
3. Land
4. Taxi
5. .
6. .
7. .
8. .
9. .
0. .

More

Screen 2.1.21 - Current Task Listing and Generic Task List with task inserted

Screen 2.1.22 - Task Notecard overlayed on the Task Template.

This is an informational screen that gives the user all the current information about the highlighted task that is currently available in the Task Data File in an unabbreviated version. The user may also enter any information on the Task Notecard which he/she may wish to have for future reference.

User Actions:
Using normal editing procedures the user may enter any relevant information.

<ENTER> - Returns the user to screen 2.1.7.

<ESC> - Returns the user to screen 2.1.7.

PATH:MDA)WAA)Develop Task List MODE:WORK

Access Library List **Describe** Decompose Paste Delete

TASK TEMPLATE		FU
Task List	Job	Condi
Prepare before landing checks	Co-pilot	day

TASK NOTECARD

TASK: Perform prelanding checks

DESCRIPTION: Check all instruments and gages, i.e., warning lights, radio freq. circuit breaker panels, tail wheel and parking brake switch. Also check crew and equipment.

FUNCTION: Approach and land aircraft

CONTROL\DISPLAY: Instrument panels, lower console

CREW: Co-pilot

COMMENTS:

Screen 2.1.22 - Task Notecard overlayed on the Task Template.

Screen 2.1.23 - Function Notecard for function x of the system being evaluated.

This is an informational screen that gives the user all the current information about the highlighted function that is currently being evaluated. It contains the complete ID from step 0, SPREA performance estimates (if available) and conditions. The user change the conditions for the function. This procedure is identical to the one used in step 0 to set the mission/condition set.

FUNCTION DESCRIPTION CARD
Function: Approach and Land System Type: Utility helicopter System Name: Black Hawk Mission: Transport combat troops
TIME ESTIMATES Most likely 180.00 sec. Best 150.00 sec Worst 210.00 sec.
TYPICAL CONDITIONS
1. Enviormmental 2. Terrain 3. Target/threat related 4. Friendly forces related

Screen 2.1.23 - Function Notecard for function x of the system being evaluated.

Screen 2.1.24 - Task Template with a selected task tagged to be decomposed.

When the user observes the asterisk immediately preceding a task title, he/she will know that the task parameters associated with that task will not be included in the Product 5 analysis. However, the task and its parameters are retained to maintain structure and continuity for the user while he is in the process of developing the task list and entering titles and parameters for the subtasks. The user may then proceed to enter in the name of the subtasks.

PATH:MDA)WAA)Develop Task List MODE:WORK

Access Library List Describe **Decompose** Paste Delete

TASK TEMPLATE		FUNCTION: Approach and Land Aircraft						
Task List	Job	Conditions	Time Estimates Expected	Best/Worst	Workload Estimates			
			μ sec.	± sec.	V	C	A	P
*Prepare before landing checks	Co-pilot	day	40.00	5.00	5	1	5	2

Screen 2.1.24 - Task Template with a selected task tagged to be decomposed.

3.6.2 Step 2 Define Crew Positions

In this step the user will develop the staffing plan for the system under evaluation, defining all crew positions and aggregating as much information as possible about the personnel characteristics of the average job incumbent.

3.6.2.1 Input

External Input: The following is a list of potential external inputs for step 2.2 of WAA: Contractor's Design Specification, MCEA file, PCEA file, TCEA file, Subject Matter Experts, and crew position assignments for comparable systems. The preferred source is a document prepared by the contractor designing the system that describes the crew station and all duty positions. However it is not guaranteed that a task analysis will be provided by the contractor, or in the event that the task analysis is provided that it will be sufficient or appropriate for this analysis.

The MCEA file (Product 2) is another source of information about the specific system under evaluation. It will provided the user with information regarding the maximum crew size, the MOS, paygrade and skill level for each crew position in the proposed staffing plan. The PCEA file (Product 3) will provide the user with information about the personnel characteristics that the typical job incumbent in each of these positions would possess. The TCEA file will provide the user with information about the training level which is characteristic of the typical incumbent.

It is possible that none of the above mentioned external sources will be available. If that is the case it will be necessary for the user to consult with a Subject

comparable systems that are available in Job Books, Operator Manuals, How-to-Fight Manuals, and ARTEP data.

Internal Input: If any data for the Task List was obtained from the Baseline Library, crew assignments will also be available for those tasks. This information will be written to the crew position template and Job Notecard.

3.6.2.2 Process

In this step the user will develop the crew/position list, the job descriptions for each of these positions and aggregate any other information about personnel characteristics of the typical job incumbent for each of these positions. If the contractor conducted a task analysis and has submitted a staffing plan with the system design, the user will use the contractor's definition of the crew positions for the initial analysis.

When the contractor does not define the crew positions for the system design, the user will begin to develop a definition of crew positions by determining whether there is an existing comparable system. If a task and it parameters have been copied from the Baseline Library, crew assignments will also be available for those tasks. Each unique crew position will be written to the crew position template and the Job Notecard for the new system. This list would then serve as a starting point for the crew position list. Duty position assignments for other comparable systems that are not in the Baseline Library can be found in Job Books, Operator Manuals, How-to-Fight Manuals, and ARTEP data.

When crew positions identified from a comparable system are used as the starting point for the crew position list, the user will need to examine the new design to determine whether it will support all the comparable system crew members. Even though the tasks that must be performed to operate the new system may be very similar to those in the

comparable system, the new design may have eliminated one or more operator work stations. If the new design will not support all the crew positions that were included in the comparable system, the user will need assistance from a Subject Matter Expert to revise the definitions of the crew positions.

If crew positions definitions are not available from a comparable system, the user can access the Manpower Constraint file to view the staffing plan created in the Product 2 analysis. If available this report will give the maximum crew size, a staffing plan and a MOS, paygrade and skill level for each proposed crew position. In addition, the output file from the PCEA analysis (Product 3) may also be available. The PCEA file provides the user with information about the personnel characteristics that the typical job incumbent in each of these positions would possess. Finally, the TCEA file maybe available and provide the user with information about the training level available for the typical incumbent.

It is also possible that none of the above mentioned external sources will be available. If that is the case it will be necessary for the user use the new system design specification and to consult with a Subject Matter Expert in order to define the crew/position list.

The flow diagram of the process for step 2.2 are shown in Figure 3.6.2-1 and Figure 3.6.2-1, "Defining Crew Positions.

Figure 3.6.2 Define Crew Positions

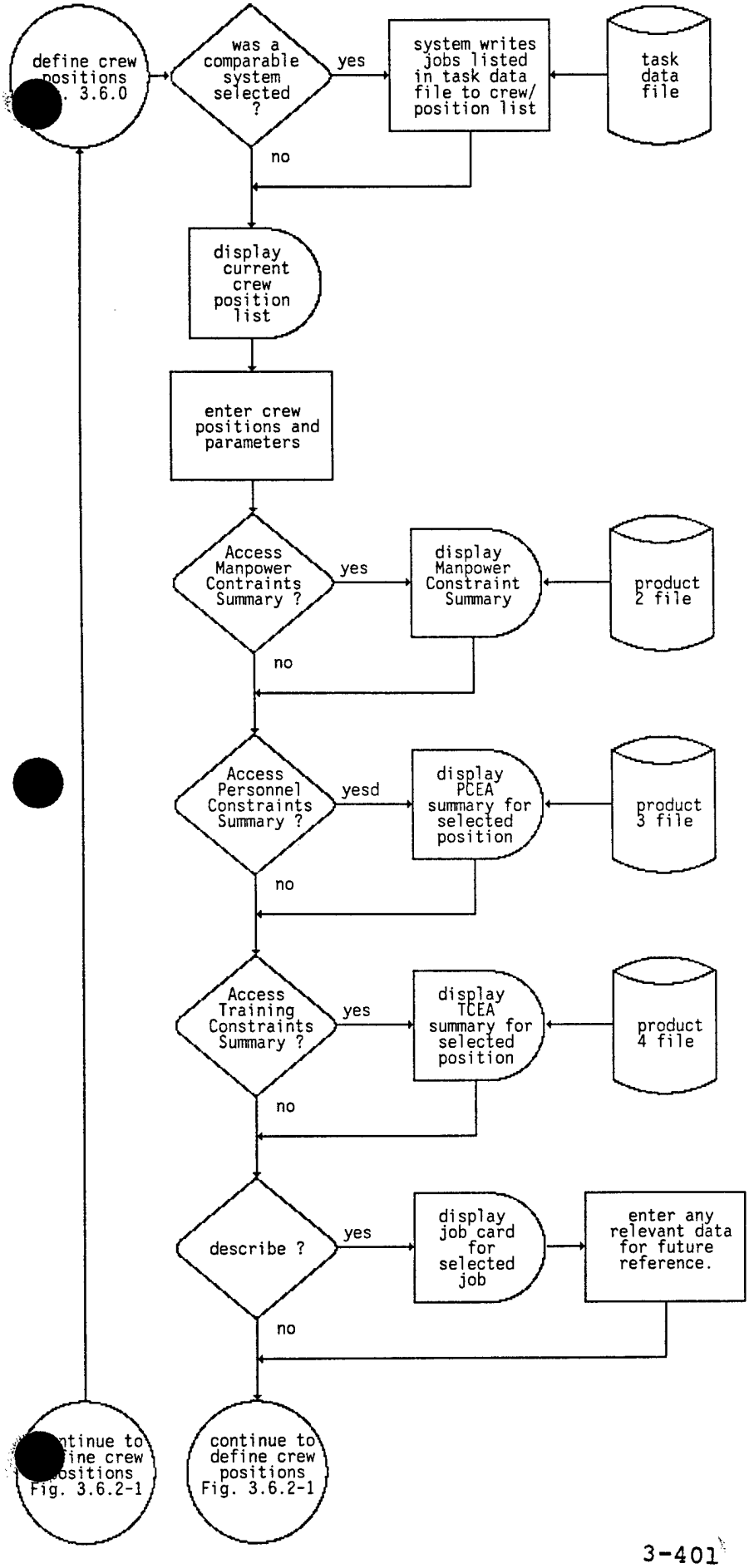
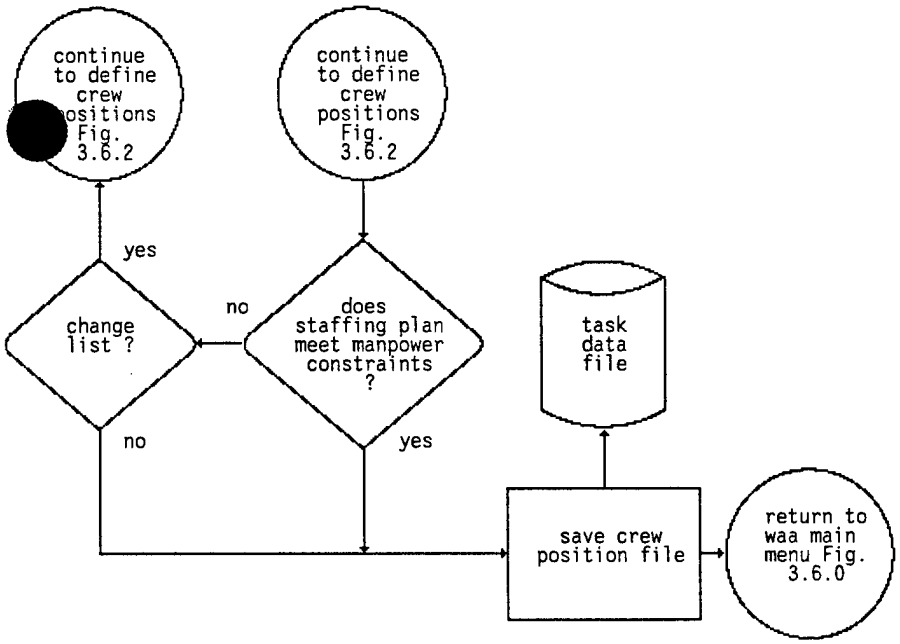


Figure 3.6.2-1 Define Crew Positions



3.6.2.3 Output

The output of this step will be a crew/position list which will include the position title, crew definitions, MOS, paygrade, skill level, personnel and training characteristics for the average job incumbent for each crew position on the list. This information will be written available to the user in later steps in the analysis in the form of a Job Notecard for each position and saved to the Task Data File.

3.6.2.4 User Interface

The user interfaces for step 2.2 are described in detail on the following pages. Please note that all screens for step 2.2 are labeled "Screen 2.2.x".

Screen 2.2.1 Crew Position Template

Using this screen the user can enter in the staffing plan for the new system. For each crew position the user will enter the position title, job description, MOS, skill level, paygrade, and any other information concerning the personnel and training characteristics of the average individual who would fill this position.

User Actions:
Using normal editing procedures the user will enter the crew position information onto the template. Next screen is 2.2.2.

<ESC> - Returns the user to screen 2.0.

F9 - Displays the command menu bar. Next screen is 2.2.3.

PATH:MDA)WAA)Define Crew Positions MODE: Work

CREW/POSITION TEMPLATE		FUNCTION: Approach and Land Aircraft			
Crew/position	Description	MOS/Skill/Paygrade			Personnel/Training

Screen 2.2.1 Crew Position Template

Screen 2.2.2 Crew/position Template with information recorded.

This screen displays information typed in for several example crew positions.

User Actions:

<ESC> - returns the user to screen 2.0.

F9 - Displays the command bar. Next screen is 2.2.3.

PATH:MDA)WAA)Define Crew Positions MODE: Work

CREW/POSITION TEMPLATE		FUNCTION: Approach and Land Aircraft			
Crew/position	Description	MOS/Skill/Paygrade			Personnel Training
Pilot	Plan, navigate, fly, radio communication				
Co-pilot	Navigate, assist pilot				
Crew Chief	Operate gun, radio communication, cargo	67G	2	PFC-E3	ASVA(MM)-105, MEPSCAT- Very Heavy

Screen 2.2.2 Crew/Position Template with Information Recorded

Screen 2.2.3 - Crew/ position Template with command menu bar displayed.

From this screen the user can select and initiate any of the displayed commands. By selecting "MCEA" the user can access the staffing plan. By selecting "PCEA" the user can access a summary of the descriptive statistics for the average job incumbent for the highlighted crew position. By selecting "TCEA" the user can access a summary of the descriptive statistics for the average job incumbent for the highlighted crew position. By selecting "Describe" the user can access the "Job Notecard" for the crew position that is currently highlighted. The use can enter any additional information which he/she may wish to have for future reference onto the Job Notecard. From this screen the user can also select the generic commands copy and delete.

User Actions:

MCEA - Displays the Product 2 Staffing Plan. Next screen is 2.2.5.

PCEA - Displays descriptive statistics for the highlighted crew position identified by MOS, paygrade and skill level. Next screen is 2.2.6.

TCEA - Displays descriptive statistics for the highlighted crew position. Next screen is 2.2.7.

Describe with a job highlighted - Displays the Job Notecard for the highlighted crew position.

Copy - Copies the highlighted crew position and displays it directly below the copied crew position in the list.

Delete - Deletes the highlighted crew position form the list.

F9 - Returns the cursor to the template. Next screen is 2.2.1.

<ESC> - Returns the user to screen 2.1.

PATH:MDA)WAA)Define Crew Positions MODE: Work
MCEA PCEA TCEA Describe Copy Delete

CREW/POSITION TEMPLATE		FUNCTION: Approach and Land Aircraft			
Crew/position	Description			MOS/Skill/Paygrade	Personnel Training

Screen 2.2.3 - Crew/ position Template with command menu bar displayed.

Screen 2.2.4 - Job Notecard

This screen gives all the available information recorded on the Crew Position Template. The user may also enter information on the Job Notecard which he/she may wish to have for future reference for a later step in the workload analysis.

User Actions:

Using normal editing procedures the user may enter information onto the notecard for future reference.

<ESC> - Returns the user to screen 2.2.3.

PATH:MDA)WAA)Define Crew Positions
MCEA PCEA TCEA **Describe** Copy Delete

MODE: Work

CREW/POSITION TEMPLATE	FUNC
Crew/position	Description
Pilot	Plan, navigate, fly, radio communication
Co-pilot	Navigate, assist pilot
Crew Chief	Operate gun, radio communication, cargo

JOB NOTECARD

Job Title: Crew Chief/Gunner
Job description: Operates gun, manages cargo, radio communication, monitors for targets

MOS: 67G
Skill level: 2
Paygrade: PFC-E3

Personnel Characteristics: ASVAB (MM)-105:PUHLES-2,2,2,2,2,2; MEPSCAT- very heavy;normal color vision

Training Characteristics:

Screen 2.2.4 - Job Notecard

Screen 2.2.5 - Manpower Constraints Summary

This screen is purely informational and provides the user with the staffing plan in the MCEA file (if available).

User Actions:

<ESC> - Returns the user to screen 2.2.1.

PATH:MDA)WAA)Define Crew Positions MODE: Work

MCEA PCEA TCEA Describe Copy Delete

CREW/POSITION TEMPLATE FUNCTION: Approach and Land Aircraft

Crew/position	Description
Pilot	Plan, navigate, fl radio communicatio
Co-pilot	Navigate, assist p
Crew Chief	Operate gun, radio munication, cargo

MANPOWER CONSTRAINTS SUMMARY

Staffing Plan: U-60 BlackHawk

Crew/Position	MOS	Skill Level	Pay Grade
Pilot Co-Pilot Crew Chief/Gunner	67G	2	PFC-E3

Screen 2.2.5 - Manpower Summary

Screen 2.2.6 - Personnel Constraints Summary

This screen is purely informational and provides the user with information about the personnel characteristics of the average job incumbent for a specific crew position with an identified MOS, paygrade, and skill level. This information is the PCEA file and may not be available.

User Actions:

<ESC> - Returns the user to screen 2.2.1.

PATH:MDA)WAA)Define Crew Positions MODE: Work
MCEA **PCEA** TCEA Describe Copy Delete

CREW/POSITION TEMPLATE		FUNCTION: Approach and Land Aircraft				
Crew/position		Description				MOS/Skill/Paygrade Personnel/Training
Pilot	P r	PERSONNEL CONSTRAINTS SUMMARY				
		Crew Position: Gunner MOS: 67G				
Co-pilot	N	Characteristic		Characteristic		
Crew Chief	O m	Male only ASVAB composite cutoff PUHLES Stamina Upper Lower Hearing Eyes Psych	No MM 105 2 2 2 2 2 2	MEPSCAT Color Vision	VH Norm	ASVA(MM)-105, MEPSCAT- Very Heavy

Screen 2.2.6 - Personnel Constraints Summary

Screen 2.2.7 - Training Constraints Summary

This screen is purely informational and provides the user with information about the training characteristic of the typical job incumbent for a specific crew position. This information is taken from the TCEA file which may or may not be available.

User Actions:
<ESC> - Return to screen 2.2.1.

PATH:MDA)WAA)Define Crew Positions
MCEA PCEA TCEA Describe Copy Delete

MODE: Work

CREW/POSITION TEMPLATE		FUNCTION: Approach and Land Aircraft	
Crew/position	Description	MOS/Skill/Paygrade	Personnel/Training
Pilot	Training Constraint Summary		
Co-pilot	To be developed in accordance with TECA design specification.		
Crew Chief			ASVA(MM)-105, MEPSCAT- Very Heavy

Screen 2.2.7 - Training Constraints Summary

3.6.3 Step 3 Allocate Tasks to Crew Positions

3.6.3.1 Input

External Input: The following is a list of potential external inputs for step 2 of WAA: Contractor's Design Specification, Subject Matter Experts, and crew position assignments for comparable systems. The preferred source is a document prepared by the contractor designing the system that allocates each of the operation tasks to a crew positions. This document will also contain information about the accessibility of controls for specific crew members performing specific tasks.

Other external input may be obtained from Subject Matter Experts or the user may consult the duty assignments for other comparable systems that are available in Job Books, Operator Manuals, How-to-Fight Manuals, and ARTEP data.

Internal Input: The task listing and crew/position listing that are output from step 2.1 and 2.2 will be written to the Accessibility and Allocation Templates.

3.6.3.2 Process

The process the user will go through to make an initial assignment of tasks to crew positions will depend on the source and availability of inputs to the user. If the contractor has submitted a staffing plan with the system design that indicates task assignments to duty positions the user will use that set of assignments as a starting point for the initial analysis.

When the user has used data for a comparable system from the Baseline Library, he/she can use these task assignment as a starting point. When the crew/position list and task list were accomplished directly from the contractor

design specifications and subject matter expert input without the aid of a staffing plan or comparable system data, the user will use these same input sources to initially assign tasks to crew positions.

For each potential task assignment to a crew position, whether it be with the aid of a contractor supported staffing plan or comparable system data, the user will need to examine the proposed system design to ensure that the design will support the task assignments in terms of accessibility, i.e., allows the crew member access to the control or display. Accessibility for a specific task to be performed by a particular crew member will be determined using the Accessibility Template. The task listing for a given function will be listed in the leftmost column of the template and the crew/position listing will be listed as column headings across the top of the template. The user will use the contractor design specification to determine the control or display necessary to perform the task and its location on the new system. To complete the accessibility matrix the user will place an X in each cell that represents a specific task and crew combination for which the control or display necessary to perform that task would be accessible to that crew member.

Once the accessibility matrix is completed the user will begin to allocate tasks to crew positions using the Allocation Template. The Allocation Template will display the task listing in the leftmost column of the template and the accessibility matrix in the rightmost column. The crew positions will be referenced by number across the top of the accessibility matrix. The key for the crew position assignment to numbers will be displayed by selecting "Job Key from the command menu bar. Under the heading "Task Assignment" the crew position assigned to the task will be displayed in the same row as the assigned task.

If a comparable system in the Baseline Library has been identified in step 2.1 then for every task copied from the

Baseline Library there will be an assigned crew position. If it has been determined that the control or display necessary to perform the task is not accessible to the assigned crew member, the system will eliminate the assigned crew position title. If it has been determined that the control or display necessary to perform the task is accessible to the assigned crew member, the system will write in the assigned crew position title.

If tasks from a comparable system in the Baseline Library have not been used or used only to create a portion of the task listing, the user will fill in the blank crew assigned column for the unassigned tasks using external input obtained from Subject Matter Experts or the duty assignments for other comparable systems that are available in Job Books, Operator Manuals, How-to-Fight Manuals, and ARTEP data.

The flowcharts for the process in step 2.3 is given in Figure 3.6.3 and 3.6.3-1. Figure 3.6.3 shows the prices for defining the accessibility matrix and Figure 3.6.3-1 the process for allocating tasks to crew positions.

Figure 3.6.3 Allocate Tasks to Crew Positions

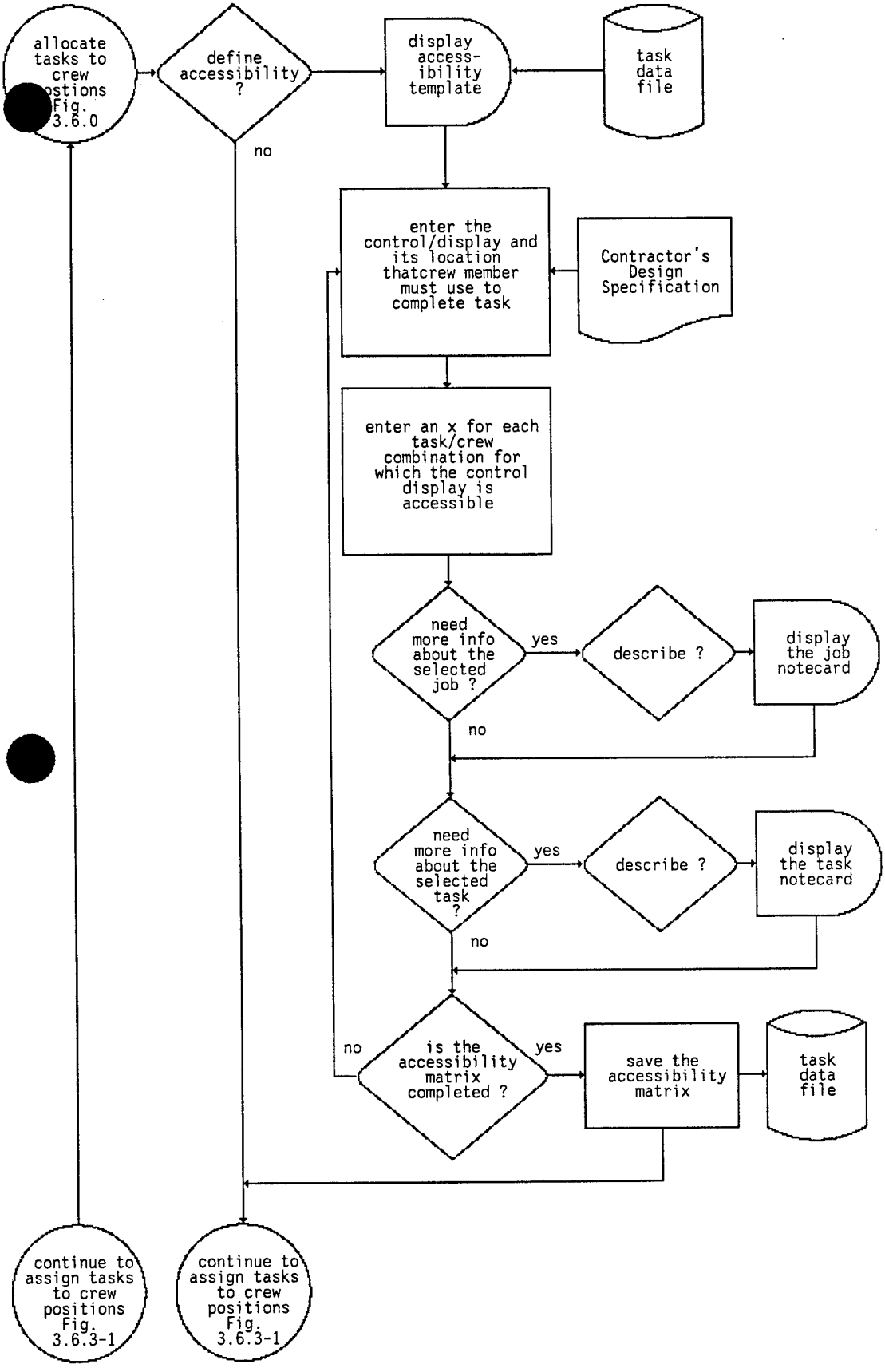
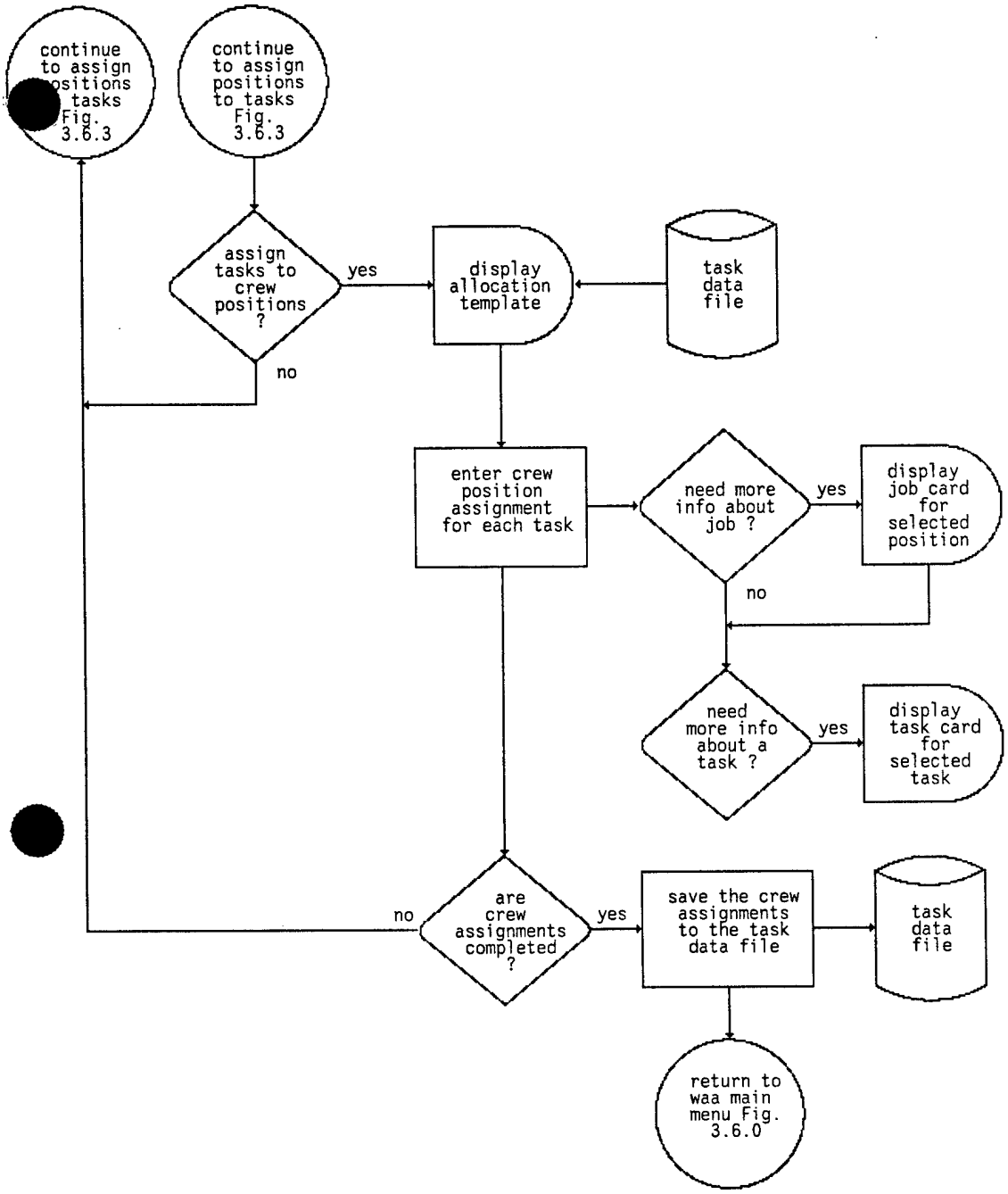


Figure 3.6.3-1 Allocate Tasks to Crew Positions (continued)



3.6.3.3 Output

The output for step 2.3 will be the accessibility matrix and the allocation matrix. These internal files will be saved to the Task Data File upon completion.

3.6.3.4 User Interfaces

The user interfaces for step 2.3 are described in detail on the following pages. Please note that all screens for step 2.3 are labeled "Screen 2.3.x".

Screen 2.3.1 - Allocate Tasks to Crew Position Menu

From this screen the user can begin to determine the allocation of tasks to crew positions. The first step is to define the accessibility matrix and then to allocate tasks to crew positions.

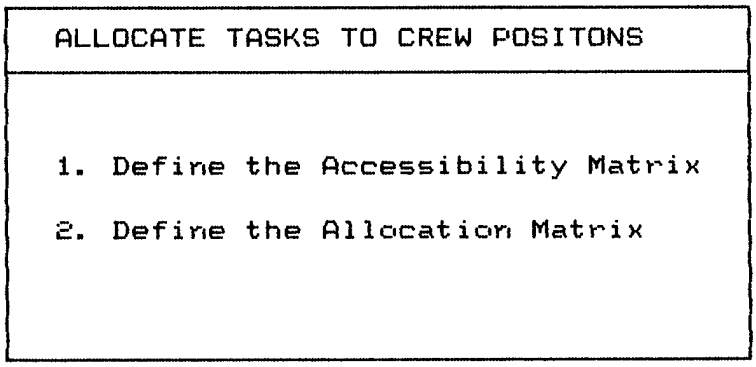
User Actions:
Using the normal selection procedures the user can select the step he/she wishes to begin.

1. Define the Accessibility Matrix - Displays the Accessibility Template. Next screen 2.3.2.

2. Define the Allocation Matrix - Displays the Allocation Template. Next screen is 2.3.5.

<ESC> - Returns the user to screen 2.1.1.

PATH:MDA)WAA)Allocate Tasks to Crew Positions MODE: Work



Screen 2.3.1 - Allocate Tasks to Crew Position Menu

Screen 2.3.2 - Accessibility Template

From this screen the use can enter in controls and their location on the new system under the heading system components. After the user has entered in the control he/she can enter an X in the column under every crew position name to whom the control would be accessible.

User Actions:
Using normal editing procedures the user can enter the data into the template. Next screen is 2.3.3.

<ESC> - Return to screen 2.3.1.

F9 - Displays command menu bar. Next screen is 2.3.4.

PATH:MDA)WAA)Allocate Tasks to Crew Positions MODE: WORK

ACCESSIBILITY TEMPLATE	FUNCTION: Approach and Land Aircraft				
	User Interface		Job 1	Job 2	Job 3
Task list	Control	Location	Pilot	Co-pilot	Crew Chief
*Perform before landing checks					
Check gages in the green					
Check for any warning lights					
Check radio frequecies					
Check circuit breaker panel					

Screen 2.3.2 - Accessibility Template

Screen 2.3.3 - Accessibility Template with controls and the accessibility matrix filled-in.

This screen gives an example of the Accessibility Template when the step has been completed for several tasks.

PATH:MDA)WAA)Allocate Tasks to Crew Positions MODE: WORK

ACCESSIBILITY TEMPLATE	FUNCTION: Approach and Land Aircraft				
	User Interface		Job 1	Job 2	Job 3
Task list	Control	Location	Pilot	Co-pilot	Crew Chief
*Perform before landing checks	instrument panel	front, upper console	X	X	
Check gages in the green	instrument panel	front, upper console	X	X	
Check for any warning lights	instrument panel	front, upper console	X	X	
Check radio frequecies	radio	lower console	X	X	
Check circuit breaker panel	circuit breaker	lower console	X	X	

Screen 2.3.3 - Accessibility Template with controls and the accessibility matrix filled-in.

Screen 2.3.4 - Accessibility Template with the command menu bar

From this screen the user can select and initiate any of the displayed commands. In the case of the Accessibility Template the only command displayed is "Describe". By selecting "Describe" the user can access the "Task Notecard" that will give him/her information about the task for which he/she is determining accessibility, or the "Job Notecard" that will give him/her information about the crew member who will be performing that task. The notecard that is displayed will be determined by whether a task or a job is highlighted.

User Actions:
Using normal selection strategies for the menu bar the user can select "Describe".

Describe with task highlighted - Displays the Task Notecard for the highlighted task. See screen 2.1.15 for an example of a Task Notecard.

Describe with a job highlighted - Displays the Job Notecard for the highlighted job. See screen 2.2.4 for an example of a Job Notecard.

F9 - Returns to screen 2.4.1.

<ESC> - Returns the user to screen 2.3.1.

PATH:MDA)WAA)Allocate Tasks to Crew Positions MODE: WORK
Describe

ACCESSIBILITY TEMPLATE	FUNCTION: Approach and Land Aircraft				
	User Interface		Job 1	Job 2	Job 3
Task list	Control	Location	Pilot	Co-pilot	Crew Chief
*Perform before landing checks	instrument panel	front, upper console	X	X	
Check gages in the green	instrument panel	front, upper console	X	X	
Check for any warning lights	instrument panel	front, upper console	X	X	
Check radio frequecies	radio	lower console	X	X	
Check circuit breaker panel	circuit breaker	lower console	X	X	

Screen 2.3.4 - Accessibility Template with the command menu bar

Screen 2.3.5 - Allocation Template

Using this screen the user can assign tasks to crew positions. If tasks and task parameters have been imported from a SPREA file or copied from the Baseline Library then there will be crew positions already assigned. In the case that the control is not accessible to the crew position assigned, the crew member name will be blank. It will be necessary for the user to enter in a crew position name to whom the control is accessible.

User Actions:
Using normal editing procedures the user can enter in a crew position under the column heading "Crew Assigned" and the row which correspond to the task being allocated. Next screen is 2.3.6.

<ESC> - Returns the user to 2.3.1.

F9 - Displays the command menu bar. Next screen is 2.3.7.

PATH:MDA)WAA)Allocate Tasks to Crew Positions MODE: WORK

ALLOCATION TEMPLATE	FUNCTION: Approach and Land Aircarft	
TASK LIST	Crew Assigned	Accessibility
		1 2 3 4 5 6 7
* Perform prelanding check	2. co-pilot	x x
Check that all gages are in the green		x x
Check for warning lights		x x
Check radio frequencies are correctly set		x x
Check circuit breaker panel		x x
Set tail wheel switch		x x
Check parking brake switch		x x
Check crew and passenger members		x x
* Approach	1. pilot	x x
Look at and verify landing zone		x x
Cross check instruments		x x
Make radio call to flight formation		x x
Look for indicator of wind direction/speed		x x
Manipulate flight controls to reduce speed		x x
Maintains altitude and verifies		x x

Screen 2.3.5 - Allocation Template

Screen 2.3.6 - Allocation Template with task allocation recorded.

This screen is an example of the allocation template with task allocations recorded for several tasks.

PATH:MDA)WAA)Allocate Tasks to Crew Positions MODE: WORK

ALLOCATION TEMPLATE	FUNCTION: Approach and Land Aircarft							
TASK LIST	Crew Assigned	Accessibility						
		1	2	3	4	5	6	7
* Perform prelanding check	2. co-pilot	x	x					
Check that all gages are in the green	2. co-pilot	x	x					
Check for warning lights	2. co-pilot	x	x					
Check radio frequencies are correctly set	2. co-pilot	x	x					
Check circuit breaker panel	2. co-pilot	x	x					
Set tail wheel switch	2. co-pilot	x	x					
Check parking brake switch	2. co-pilot	x	x					
Check crew and passenger members	2. co-pilot	x	x					
* Approach	1. pilot	x	x					
Look at and verify landing zone	1. pilot	x	x					
Cross check instruments	1. pilot	x	x					
Make radio call to flight formation	1. pilot	x	x					
Look for indicator of wind direction/speed	1. pilot	x	x					
Manipulate flight controls to reduce speed	1. pilot	x	x					
Maintains altitude and verifies	1. pilot	x	x					

Screen 2.3.6 - Allocation Template with task allocation recorded.

Screen 2.3.7 - Allocation Template with command menu bar displayed.

From this screen the user can select and initiate any of the displayed commands. By selecting "Describe" the user can access the "Task Notecard" that will give him/her information about the task for which he/she is assigning crew positions, or the "Job Notecard" that will give him/her information about the crew member who will be performing that task. The notecard that is displayed will be determined by whether a task or a job is highlighted. By selecting "Job Key" the user can access the key for the numerical assignment of crew positions that was corresponds to the accessibility matrix job number displayed.

User Actions:

Describe with task highlighted - Displays the Task Notecard for the highlighted task. See screen 2.1.15 for an example of a Task Notecard.

Describe with a job highlighted - Displays the Job Notecard for the highlighted job. See screen 2.2.4 for an example of a Job Notecard.

Job Key - Displays the Job Key. Next screen is 2.3.8.

F9 - Returns to screen 2.4.1.

<ESC> - Returns the user to screen 2.3.1.

PATH:MDA)WAA)Allocate Tasks to Crew Positions MODE: WORK
Describe Job Key

ALLOCATION TEMPLATE	FUNCTION: Approach and Land Aircarft	
TASK LIST	Crew Assigned	Accessibility
		1 2 3 4 5 6 7
* Perform prelanding check	2. co-pilot	x x
Check that all gages are in the green		x x
Check for warning lights		x x
Check radio frequencies are correctly set		x x
Check circuit breaker panel		x x
Set tail wheel switch		x x
Check parking brake switch		x x
Check crew and passenger members		x x
* Approach	1. pilot	x x
Look at and verify landing zone		x x
Cross check instruments		x x
Make radio call to flight formation		x x
Look for indicator of wind direction/speed		x x
Manipulate flight controls to reduce speed		x x
Maintains altitude and verifies		x x

Screen 2.3.7 - Allocation Template with command menu bar displayed.

Screen 2.3.8 - Job Key

This a purely informational screen that displays the key for the numerical assignment of crew positions that corresponds to the accessibility matrix job number displayed on the Allocation Template.

User Actions:

<ECS> - Returns the user to screen 2.3.7.

PATH:MDA)WAA)Allocate Tasks to Crew Positions MODE: WORK
Describe Job Key

JOB KEY	FUNCTION: Approach and Land Aircarft		
1. Pilot 2. Co-pilot 3. Crew Chief		Crew Assigned	Accessibility
			1 2 3 4 5 6 7
	k	2. co-pilot	x x
	Check that all gages are in the green		x x
	Check for warning lights		x x
	Check radio frequencies are correctly set		x x
	Check circuit breaker panel		x x
	Set tail wheel switch		x x
	Check parking brake switch		x x
	Check crew and passenger members		x x
*	Approach	1. pilot	x x
	Look at and verify landing zone		x x
	Cross check instruments		x x
	Make radio call to flight formation		x x
	Look for indicator of wind direction/speed		x x
	Manipulate flight controls to reduce speed		x x
	Maintains altitude and verifies		x x

Screen 2.3.8 - Job Key

3.6.4 Step 4 Define Task Performance Parameters

3.6.4.1 Input

External Input: The following external sources are listed in order by their usefulness: Contractor's Design Specification, Subject Matter Experts, and design or operations documentation for analogous systems. The most important external source is the Contractor's Design Specification. The design documents should provide useful information about the user interfaces and operating procedures for the new system. system. This documentation may include a listing of crew tasks.

Other external sources will be Subject Matter Experts and any design documents or manuals for an analogous system (i.e., Trainer Guides, Soldier Manuals, Job Books, How to Fight Manuals, and Operator Manuals). These sources are not as straightforward as a complete contractor design document on the new system and may produce a grosser level of analysis.

Internal Input: Internal input will the updated Task Data File with the Task Listing, crew assignments, Task Notecard, Job Notecard, Function Notecard, the Workload Benchmark Scales, and the Time Estimator. All internal inputs but the Workload Benchmark Scales and the Time Estimator have been described and presented previously. The four benchmark scales for each workload channel were developed by ARI and are documented in its application on aviation workload assessment by McCraken and Aldrich.[1] The workload assessment technique and the four scales are discussed in the Product 5 Concept paper. The Time Estimator is

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[1] McCracken, J. and Aldrich, T. (1984). Analysis of selected LHX mission functions: Implications for operator workloaad and system automation goals. (Technical Note ASI479-024-84). Fort Rucker, Al: Anacapa Sciences, Inc.

essentially HOS IV time estimate on algorithms which are currently being developed by ARI.

3.6.4.2 Process

In this step the user is defining performance parameters which would constrain the simulation of the mission: workload estimates, time estimates, and sequencing constraints. The process for determining these three performance parameters is organized into three substeps. The process in the first substep, defining workload estimates, assigns workload values to each task. During the simulation analysis of operator workload (which will occur in subsequent steps), the user will be able to study the demands on operators when they must perform several tasks simultaneously. To determine these collective workload demands the user must first estimate the workload demands on individual tasks. The assessment technique is discussed extensively in the Product 5 concept paper. The logistics of assigning workload values to each of the four workload channels identified by McCraken and Aldrich will discussed here.

Each task will be assessed with respect to the amount of workload it requires to perform in each of four channels: visual, cognitive, auditory and psychomotor. For each task the user will assign a workload value for each workload channel using the appropriate benchmark scale. The user will display the benchmark scale for each workload channel by selecting a task and then typing the first initial of the type of workload to be estimated. The user will then select the number which most closely corresponds to the amount of workload required for the typical job incumbent for the assigned crew position to perform the selected task. The numerical value will be automatically recorded on the Workload Template.

If the user needs information about task or typical job

incumbent for the assigned crew position, he will be able to examine the Task Notecard for any selected task and the Job Notecard for the selected crew position. The TasK Notecard will include a task description, a description of the control/display necessary to perform the task and other relevant information. The Job Notecard for any selected crew position will include a job description, MOS, skill level, paygrade, training and personnel characteristics for the typical job incumbent.

In the second substep, defining time estimates, the user will estimate the most likely or average time and the best and worst time for the completion of a selected task under stated operating conditions for the typical job incumbent (i.e. MOS, skill level, paygade, personnel and training characteristics) for the assigned crew position. If a SPREA file for the new system has been used as the starting point for the WAA, time estimates will exist for the tasks included in that analysis. In addition any tasks for a comparable system that were copied from the Baseline Library will also have existing time estimations. The user should be careful to review these estimations with the design of the user interfaces and the mission/condition set for the new system in mind and adjust the estimates accordingly

The user can enter all relevant operating conditions for the selected task under the "conditions" heading. The user will be able to examine the Function Notecard to determine which of the function conditions which may be relevant to the performance of the selected task. The user will then enter the most likely, best and worst time for task completion for the selected task. The user will also be able to examine the Task and Job Notecard discussed above for information about the task or crew position.

If the user feels that he/she can not make an estimate, the Time Estimator may be available to assist the user in making the estimation. The Time Estimator is essentially HOS

IV time estimation algorithms. HOS IV is currently being developed by ARI and represents a very powerful tool for estimating task performance time.

The final substep, defining task sequence constraints, establishes the order in which the task for a specific function must be performed. If a SPREA file exists for the new system, preliminary information about the order of tasks may exist in the SPREA file. If a comparable system was identified in the Baseline Library, a precedence matrix nay be available for the selected comparable tasks. If neither of these sources of information exist for the user, he/she will consult Subject Matter Experts and the Contractor's Design Specification to determine the precedence.

By highlighting "Select", the user can choose he specific function for which he/she wishes to complete the precedence matrix. Then by highlighting "Mode", the user has the choice of assigning task order "By Task" or "By Table". If the user chooses "By Task", he/she will go through each task in the selected function and define tasks which must be performed prior to the specified task by placing an X in the right hand column of the "Defining Sequencing Constraints by Task" menu in the row corresponding to each preceding task. If the user chooses the "By Table", the "Sequence Constraints Table" will display. This table presents a matrix of tasks from the task listing and allows the user to enter an X every time the row task must precede the column task. When the user has completely defined the precedence matrix and highlights "Check", a summary of the number of constraints directly identified and the number of sequence constraints synthesized is displayed. If there are any circular sequence constraints defined in the precedence matrix, a warning message will appear that displays the task orders that must be corrected. Finally, the user is given the option to review or print the sequence constraints table.

The flowcharts depicting the process in step 2.4 are shown in Figures 3.6.4-1 through Figure 3.6.4-4. The overall process for step 2.4 is shown in Figure 3.6.4-1. The process for the three substeps are shown in Figures 3.6.4-2 through Figure 3.6.4-4 and are titled: "Defining Workload Estimates", "Defining Time Estimates", and "Defining Task Sequencing Constraints".

Figure 3.6.4 Define Task Performance Parameters

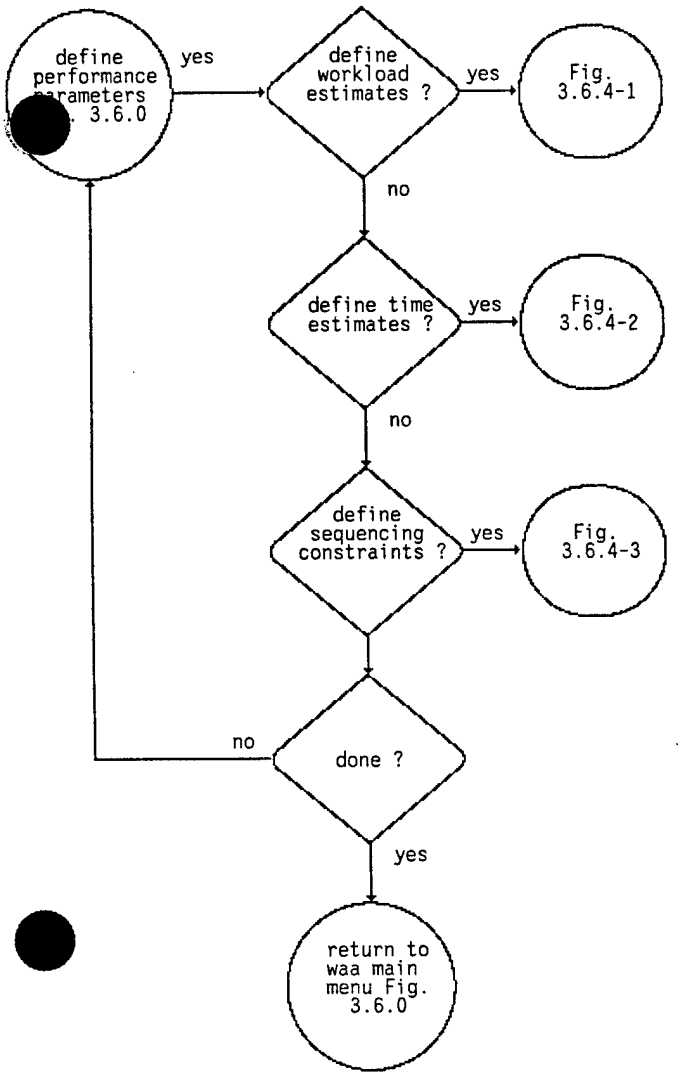


Figure 3.6.4-1 Defining Workload Estimates

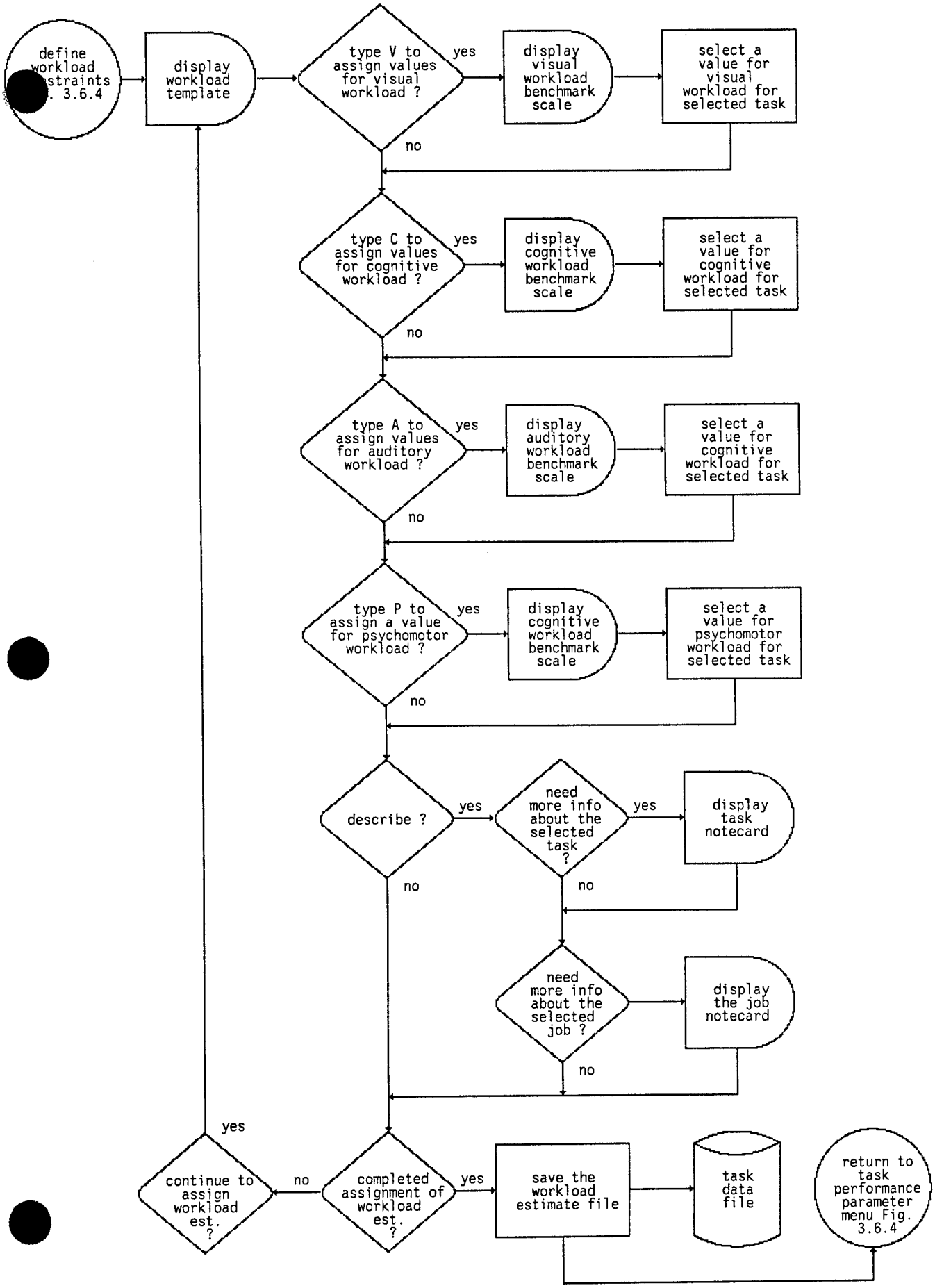


Figure 3.6.4-4 DEFINE TASK SEQUENCE CONSTRAINTS

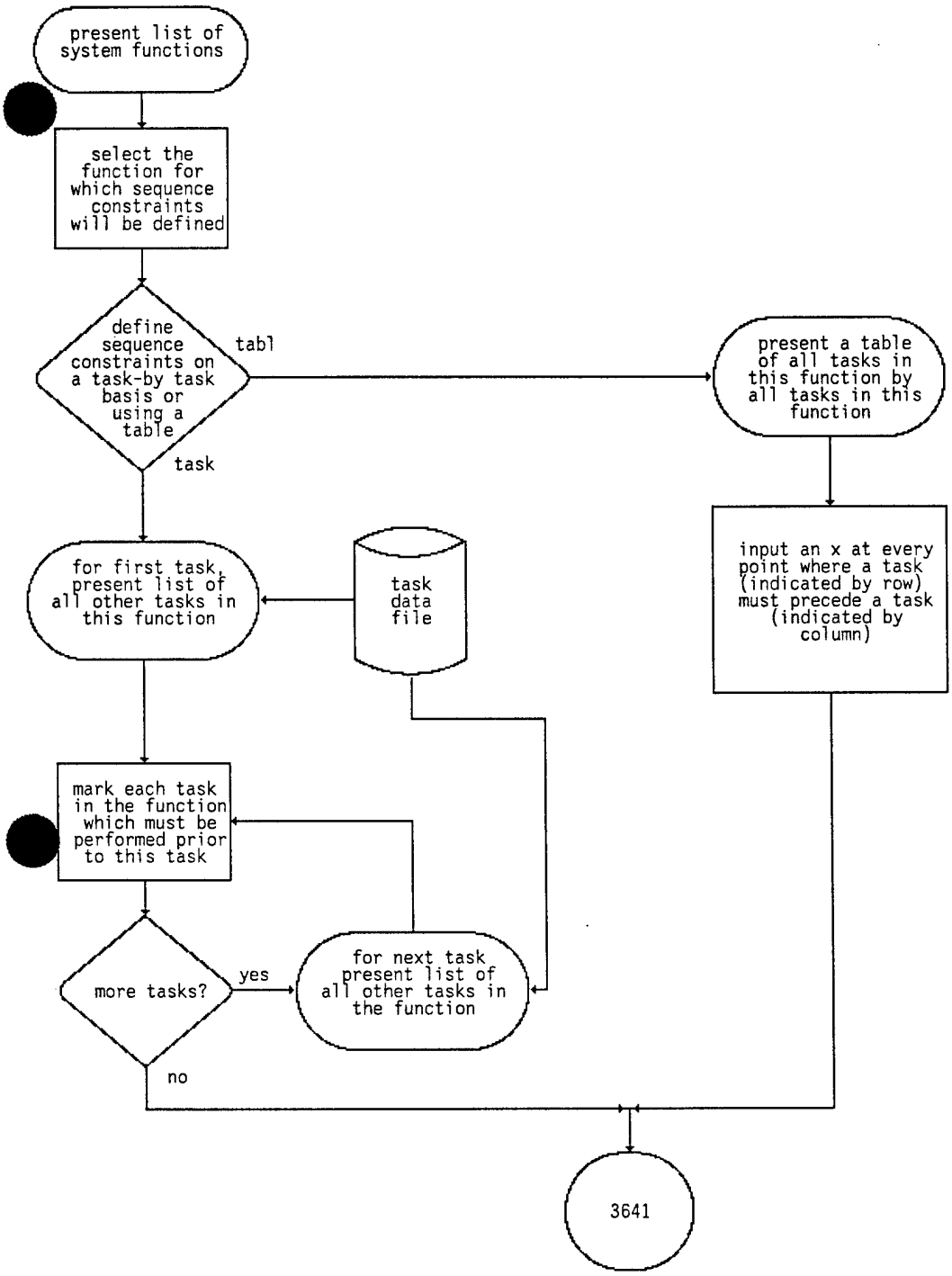


Figure 3.6.4-4 continued

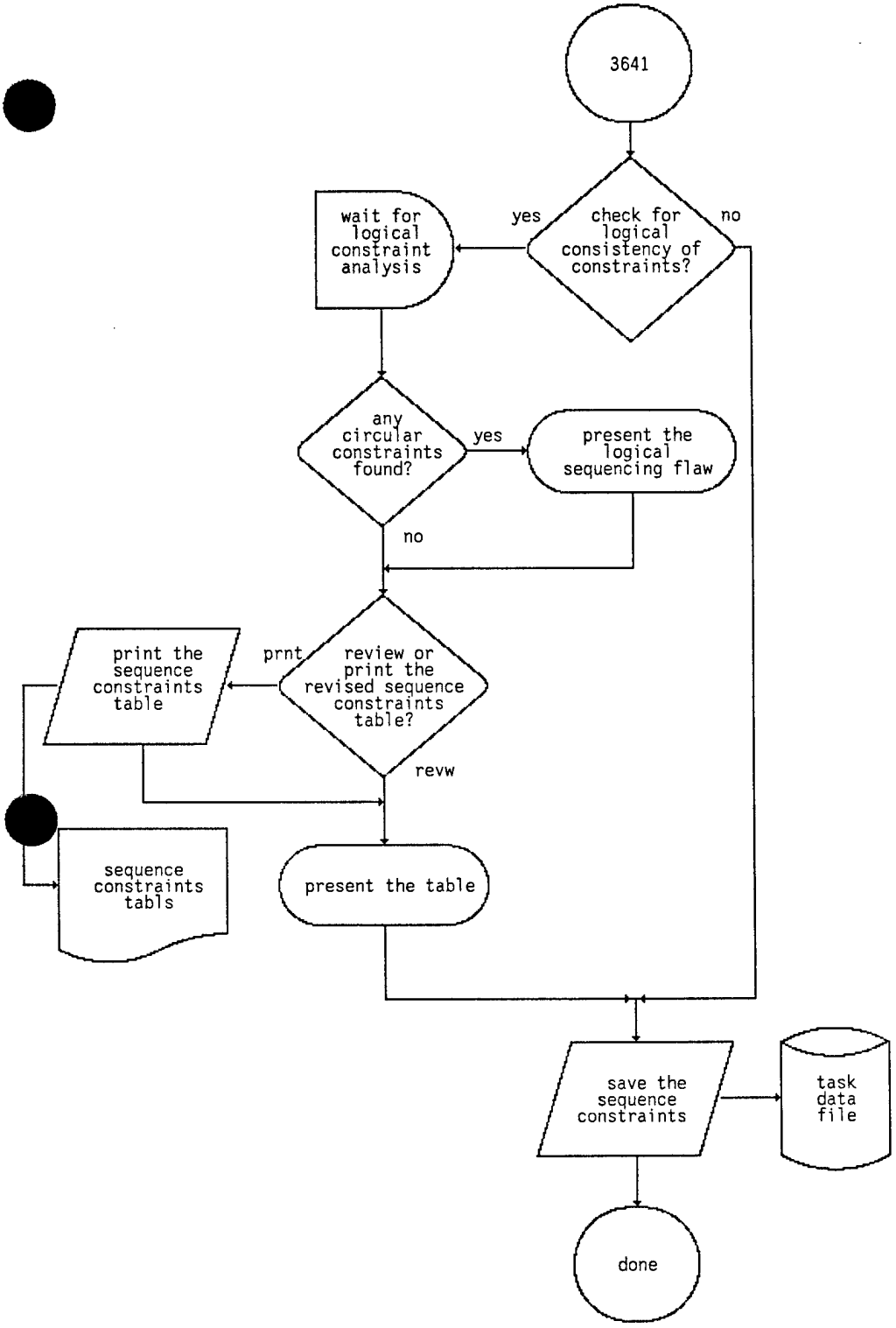
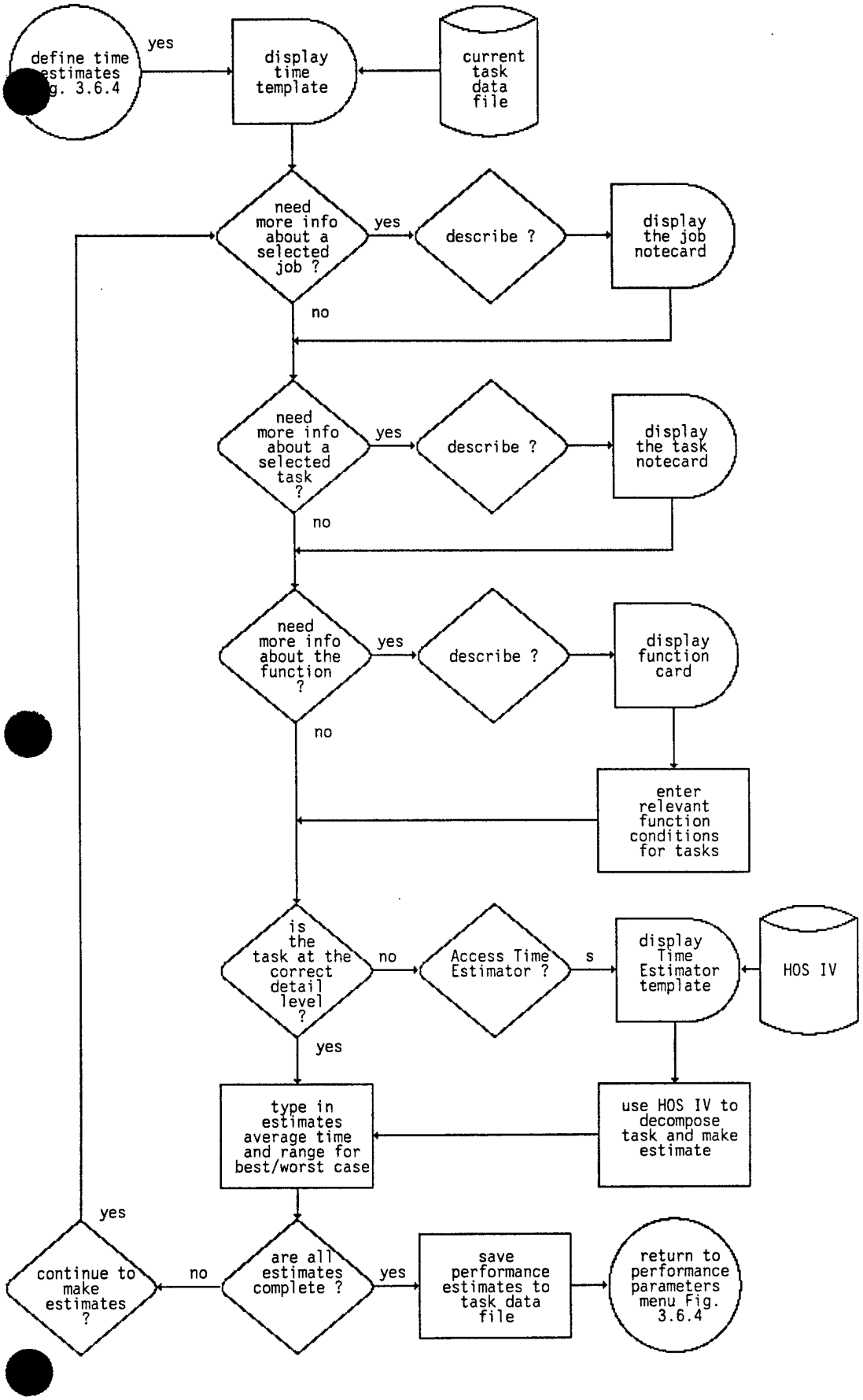


Figure 3.6.4-2 Define Time Estimates



3.6.4.3 Output

The output for step 2.4 is the updated Task Data File that upon the completion of this step now also contains workload estimates, time estimates and conditions, and a precedence table for all tasks in the Task Data File.

3.6.4.4 User Interfaces

The user interfaces that apply to this step are described in detail on the following pages. Please note that all screens for this step are labeled "Screen 2.4.x".

Screen 2.4.0 - Task Performance Parameter Menu

This screen is a menu of the steps the user will perform in defining the task performance parameters: workload estimates, time estimates and sequencing precedence. The user can use normal selection strategies to begin to set any of the parameters. These steps do not necessarily have to be performed in any particular order. However, none of these steps can be performed without the output files from the first three steps of the WAA: develop the task list, define the crew positions and allocate crew positions. If any of these files are not completed, an error message will display indicating that these steps must be completed prior to beginning step 4.

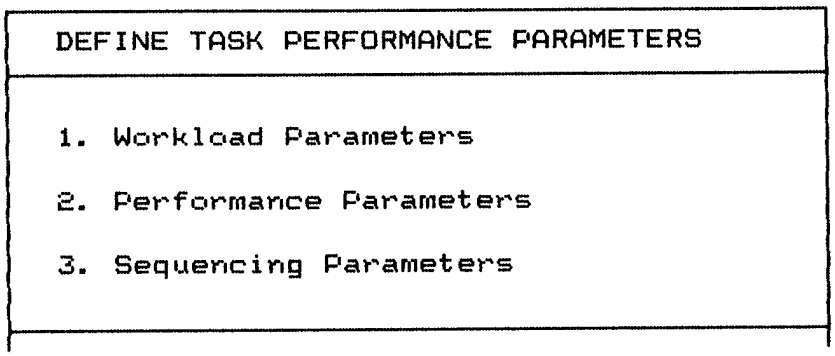
User Actions:

1. Workload Parameters. Next screen is 2.4.1.

2. Performance Parameters. Next screen is 2.4.10.

3. Sequencing Parameters. Next screen is 2.4.20.

PATH:MDA)WAA)Task Performance Parameters MODE: WORK



Screen 2.4.0 - Task Performance Parameters Menu

Screen 2.4.1. - Workload template for estimating workload parameters.

From this screen the user can choose the workload channel for which to make a workload estimates for a selected task to be performed by the assigned crew member. There are four workload channels: visual, auditory, cognitive, and psychomotor. For each channel there is a rating scale anchored with benchmark tasks to assist the user in making the estimate. The user must first select a task by highlighting the task cell. Then the user can determine which type of workload estimate he wishes to make for that task by typing in the first letter of a workload channel and pressing <ENTER>.

User Actions:
Using normal selection procedures the user will highlight a task cell, type in the first letter of one of the workload channels and press <ENTER>.

V, <ENTER> - Next screen is 2.4.2.

C, <ENTER> - Next screen is 2.4.4.

A, <ENTER> - Next screen is 2.4.6.

P, <ENTER> - Next screen is 2.4.8.

<ESC> - Returns the user to screen 2.4.0.

F9 - Displays the workload command menu bar. Next screen is 2.4.10.

PATH:MDA)WAA)Task Performance Parameters MODE: WORK

WORKLOAD TEMPLATE		FUNCTION: Approach and Land Aircraft						
Task List	Job	Conditions	Time Estimates Expected	Best/Worst	Workload Estimates			
			μ sec.	± sec.	V	C	A	P
*Prepare before landing checks	Co-pilot	day	40.00	5.00	5	1	5	2
Check gages are in the green	Co-pilot	day						
Check for any warning lights	Co-pilot	day						
Check radios frequencies	Co-pilot	day						
Check circuit breaker panels	Co-pilot	day						

Screen 2.4.1. - Workload template for estimating workload parameters.

Screen 2.4.2 - Workload Template with Visual Benchmark Scale Menu

From this screen the use can select a visual workload rating using normal selection procedures (indicated at the bottom of the pop up menu). The selected numerical rating will be recorded in the row for the highlighted task and in the visual workload channel column.

User Actions:
Using normal menu selection procedures, the user can choose a numerical rating.

<ENTER> - Next screen is 2.4.3.

<ESC> - Returns the user to screen 2.4.1.

PATH:MDA)WAA)Task Performance Parameters MODE: WORK

WORKLOAD TEMPLATE FUNCTION: Approach and Land Aircraft

Task List	st	Workload Estimates V	C	A	P
*Prepare before landing checks		5	1	5	2
Check gages are in the green					
Check for any warning lights					
Check radio frequencies					
Check circuit breaker panels					

Benchmarks for Visual Workload

Scale Value	Descriptors
1	Monitor, scan, survey
2	Detect movement, change in size, brightness
3	Trace, follow, track
4	Align, aim, orient on
5	Discriminate symbols, numbers, words
6	Discriminate based on multiple aspects
7	Read, decipher text, decode

Type in the number or highlight and press (ENTER)

Screen 2.4.2 - Workload Template with Visual Benchmark Scale Menu

Screen 2.4.3 - Workload Template with recorded estimate for visual workload.

This screen displays the selected numerical rating in the row for the highlighted task and in the visual workload channel column. The user can then choose to move the cell cursor to highlight a different task and rate that task on visual workload or return to the workload Task Template and choose to rate the same task on a different workload channel.

User Actions:
The user can move the cell cursor to highlight a different task and then repeat the user actions associated with the previous screen. See Screen 2.4.2.

<ESC> - Returns the user to screen 2.4.1.

PATH:MDA)WAA)Task Performance Parameters MODE: WORK

TASK TEMPLATE FUNCTION: Approach and Land Aircraft

WORKLOAD TEMPLATE	st	Workload Estimates			
		V	C	A	P
*Prepare before landing checks		5	1	5	2
Check gages are in the green		5			
Check for any warning lights					
Check radio frequencies					
Check circuit breaker panels					

Benchmarks for Visual Workload

Scale Value	Descriptors
1	Monitor, scan, survey
2	Detect movement, change in size, brightness
3	Trace, follow, track
4	Align, aim, orient on
5	Discriminate symbols, numbers, words
6	Discriminate based on multiple aspects
7	Read, decipher text, decode

Type in the number or highlight and press (ENTER)

Screen 2.4.3 - Workload Template with recorded estimate for visual workload.

Screen 2.4.4 - Workload Template with Cognitive Benchmark Scale Menu

From this screen the use can select a cognitive workload rating using normal selection procedures (indicated at the bottom of the pop up menu). The selected numerical rating will be recorded in the row for the highlighted task and in the cognitive workload channel column.

User Actions:
Using normal menu selection procedures, the user can choose a numerical rating.

<ENTER> - Next screen is 2.4.5.

<ESC> - Returns the user to screen 2.4.1.

PATH:MDA)WAA)Task Performance Parameters MODE: WORK

TASK TEMPLATE	FUNCTION: Approach and Land Aircraft				
WORKLOAD TEMPLATE	Benchmarks for Cognitive Workload	st	Workload Estimates		
	Scale Value Descriptors		V	C	A	P
*Prepare before landing checks	1 Automatic (simple asociation) 2 Sign/signal recognition 3 Alternative selection 4 Encoding/decoding, recall 5 Formulation of plans (projecting action sequence) 6 Evaluation (consider several aspects in reaching judgment) 7 Estimation, calculation, conversion		5	1	5	2
Check gages are in the green						
Check for any warning lights						
Check radio frequencies						
Check circuit breaker panels	Type in the number or highlight and press (ENTER)					

Screen 2.4.4 Workload Template with Cognitive Benchmark Menu

Screen 2.4.5 - Workload Template with recorded estimate for cognitive workload.

This screen displays the selected numerical rating in the row for the highlighted task and in the cognitive workload channel column. The user can then choose to move the cell cursor to highlight a different task and rate that task on cognitive workload or return to the workload Task Template and choose to rate the same task on a different workload channel.

User Actions:
The user can move the cell cursor to highlight a different task and then repeat the user actions associated with the previous screen. See Screen 2.4.4.

<ESC> - Returns the user to screen 2.4.1.

PATH:MDA)WAA)Task Performance Parameters MODE: WORK

TASK TEMPLATE FUNCTION: Approach and Land Aircraft

WORKLOAD TEMPLATE	Workload Estimates st			
	V	C	A	P
*Prepare before landing checks	5	1	5	2
Check gages are in the green		1		
Check for any warning lights				
Check radio frequencies				
Check circuit breaker panels				

Benchmarks for Cognitive Workload

Scale Value	Descriptors
1	Automatic (simple association)
2	Sign/signal recognition
3	Alternative selection
4	Encoding/decoding, recall
5	Formulation of plans (projecting action sequence)
6	Evaluation (consider several aspects in reaching judgment)
7	Estimation, calculation, conversion

Type in the number or highlight and press (ENTER)

Screen 2.4.5 - Workload Template with recorded estimate for cognitive workload.

Screen 2.4.6 - Workload Template with Auditory Benchmark Scale Menu

From this screen the use can select a auditory workload rating using normal selection procedures (indicated at the bottom of the pop up menu). The selected numerical rating will be recorded in the row for the highlighted task and in the auditory workload channel column.

User Actions:
Using normal menu selection procedures, the user can choose a numerical rating.

<ENTER> - Next screen is 2.4.7.

<ESC> - Returns the user to screen 2.4.1.

PATH:MDA)WAA)Task Performance Parameters MODE: WORK

TASK TEMPLATE FUNCTION: Approach and Land Aircraft

WORKLOAD TEMPLATE	Workload Estimates st			
	V	C	A	P
*Prepare before landing checks	5	1	5	2
Check gages are in the green				
Check for any warning lights				
Check radio frequencies				
Check circuit breaker panels				

Benchmarks for Auditory Workload

Scale values	Descriptors
1	Detect occurrence of sound or music
2	Detect change in amplitude, pulse rate, pitch
3	Comprehend semantic content of message
4	Discriminate sound on the basis of signal patern, pitch, pulse rate amplitude

Type in the number or highlight and press ⟨ENTER⟩

Screen 2.4.6 - Workload Template with Auditory Benchmark Scale Menu

Screen 2.4.7 - Workload Template with recorded estimate for auditory workload.

This screen displays the selected numerical rating in the row for the highlighted task and in the auditory workload channel column. The user can then choose to move the cell cursor to highlight a different task and rate that task on auditory workload or return to the workload Task Template and choose to rate the same task on a different workload channel.

User Actions:
The user can move the cell cursor to highlight a different task and then repeat the user actions associated with the previous screen. See Screen 2.4.6.

<ESC> - Returns the user to screen 2.4.1.

PATH:MDA)WAA)Task Performance Parameters MODE: WORK

TASK TEMPLATE	FUNCTION: Approach and Land Aircraft				
WORKLOAD TEMPLATE	Benchmarks for Auditory Workload	st	Workload Estimates		
	Scale values Descriptors		V	C	A	P
*Prepare before landing checks	1 Detect occurrence of sound or music		5	1	5	2
Check gages are in the green	2 Detect change in amplitude, pulse rate, pitch				4	
Check for any warning lights	3 Comprehend semantic content of message					
Check radio frequencies	4 Discriminate sound on the basis of signal patern, pitch, pulse rate amplitude					
Check circuit breaker panels	Type in the number or highlight and press (ENTER)					

Screen 2.4.7 - Workload Template with recorded estimate for auditory workload.

Screen 2.4.8 - Workload Template with Psychomotor Benchmark Scale Menu

From this screen the use can select a psychomotor workload rating using normal selection procedures (indicated at the bottom of the pop up menu). The selected numerical rating will be recorded in the row for the highlighted task and in the psychomotor workload channel column.

User Actions:
Using normal menu selection procedures, the user can choose a numerical rating.

<ENTER> - Next screen is 2.4.9.

<ESC> - Returns the user to screen 2.4.1.

PATH:MDA)WAA)Task Performance Parameters MODE: WORK

TASK TEMPLATE	Benchmarks for Psychomotor Workload	Aircraft
WORKLOAD TEMPLATE	Scale Values Descriptors 1 Discrete actuation (button, toggle, tigger) 2 Discrete adjustive (variable dial, etc.) 3 Speech using prescribed format 4 Continuous adjustive (flight controls, sensor control, etc.) 5 Manipulative (handling objects, maps, etc.) 6 Symbolic production (writing) 7 Serial discrete manipulation (keyboard entries)	st Workload Estimates
	Type in the number or highlight and press <ENTER>	V C A P
*Prepare before landing checks		5 1 5 2
Check gages are in the green		
Check for any warning lights		
Check radio frequencies		
Check circuit breaker panels		

Screen 2.4.8 - Workload Template with Psychomotor Benchmark Scale Menu

Screen 2.4.9 - Workload Template with recorded estimate for psychomotor workload.

This screen displays the selected numerical rating in the row for the highlighted task and in the psychomotor workload channel column. The user can then choose to move the cell cursor to highlight a different task and rate that task on psychomotor workload or return to the workload Task Template and choose to rate the same task on a different workload channel.

User Actions:
The user can move the cell cursor to highlight a different task and then repeat the user actions associated with the previous screen. See Screen 2.4.8.

<ESC> - Returns the user to screen 2.4.1.

PATH:MDA)WAA)Task Performance Parameters MODE: WORK

TASK TEMPLATE	Benchmarks for Psychomotor Workload	Aircraft
WORKLOAD TEMPLATE	Scale Values Descriptors 1 Discrete actuation (button, toggle, tigger) 2 Discrete adjustive (variable dial, etc.) 3 Speech using prescribed format 4 Continuous adjustive (flight controls, sensor control, etc.) 5 Manipulative (handling objects, maps, etc.) 6 Symbolic production (writing) 7 Serial discrete manipulation (keyboard entries)	st Workload Estimates
	Type in the number or highlight and press (ENTER)	V C A P
*Prepare before landing checks		5 1 5 2
Check gages are in the green		0
Check for any warning lights		
Check radio frequencies		
Check circuit breaker panels		

Screen 2.4.9 - Workload Template with recorded estimate for psychomotor workload.

Screen 2.4.10 - Workload Template with command menu bar displayed.

From this screen the user can select and initiate any of the displayed commands. In the case of the workload template the only command displayed is "Describe". By selecting "Describe" the user can access the "Task Notecard" that will give him/her information about the task for which he/she is rating workload, the "Job Notecard" that will give him/her information about the crew member who will be performing that task, or the "Function Notecard" that give him information about the conditions under which the task is to be performed. The notecard that is displayed will be determined by whether or not a task, a job or the function name is highlighted.

User Actions:
Using normal selection strategies for the menu bar the user can select "Describe". The specific notecard that will be displayed is determined by whether a task,a job or the function name is highlighted.

Describe with task highlighted - Displays the Task Notecard for the highlighted task. See screen 2.1.15 for an example of a Task Notecard.

Describe with a job highlighted - Displays the Job Notecard for the highlighted job. See screen 2.2.4 for an example of a Job Notecard.

Describe with the function name highlighted - Displays the Function Notecard for the highlighted function. See 2.1.23 for an example of a Function Notecard.

F9 - Returns to screen 2.4.1.

PATH:MDA)WAA)Task Performance Parameters Describe

MODE: WORK

WORKLOAD TEMPLATE		FUNCTION: Approach and Land Aircraft						
Task List	Job	Conditions	Time Estimates Expected	Best/Worst	Workload Estimates			
			μ sec.	± sec.	V	C	A	P
*Prepare before landing checks	Co-pilot	day	40.00	5.00	5	1	5	2
Check gages are in the green	Co-pilot	day						
Check for any warning lights	Co-pilot	day						
Check radios frequencies	Co-pilot	day						
Check circuit breaker panels	Co-pilot	day						

Screen 2.4.10 - Workload Template with command menu bar displayed.

Screen 2.4.11 - Time Template for estimating time estimates.

Using this screen the user can enter the specific operating conditions under which the task must be performed and the time estimates of the most likely, best and worst time for each task to be performed by the assigned crew member. The user can only enter data into the columns under the conditions and time estimates heading. If the user wishes to change the task list, the crew positions assigned to a specific task, or a workload rating he must return to the appropriate step to make those changes.

User Actions:
Using normal editing procedures for the template, the user can move the cursor to the proper columns under the time estimates heading and type in conditions and estimate. Next screen is 2.4.12.

<ESC> - Returns the user to screen 2.4.0.

F9 - Displays the command menu bar. Next screen is 2.4.13.

PATH:MDA)WAA)Define Task Performance Parameters MODE: WORK

TIME TEMPLATE		FUNCTION: Approach and Land Aircraft						
Task List	Job	Conditions	Time Estimates Expected	Best/Worst	Workload Estimates			
			μ sec.	± sec.	V	C	A	P
*Prepare before landing checks	Co-pilot	day	40.00	5.00	5	1	5	2
Check gages are in the green	Co-pilot	day			5	1	4	0
Check for any warning lights	Co-pilot	day			2	1	2	0
Check radio frequencies	Co-pilot	day			5	0	4	2
Check circuit breaker panels	Co-pilot	day			2	0	2	0

Screen 2.4.11 Time Template for Estimating Time Estimates

Screen 2.4.12 - Time Template with the time estimate entered

This screen displays time conditions and estimates typed in for several example tasks.

User Actions:

<ESC> - Returns use to 2.4.0.

F9 - Displays the command menu bar. Next screen is 2.4.13.

PATH:MDA)WAA)Define Task Performance Parameters MODE: WORK

TIME TEMPLATE		FUNCTION: Approach and Land Aircraft						
Task List	Job	Conditions	Time Estimates Expected	Best/Worst	Workload Estimates			
			μ sec.	± sec.	V	C	A	P
*Prepare before landing checks	Co-pilot	day	40.00	5.00	5	1	5	2
Check gages are in the green	Co-pilot	day	5.00	1.00	5	1	4	0
Check for any warning lights	Co-pilot	day	5.00	1.00	2	1	2	0
Check radio frequencies	Co-pilot	day	3.00	1.00	5	0	4	2
Check circuit breaker panels	Co-pilot	day	5.00	1.00	2	0	2	0

Screen 2.4.12 - Time Template with the time estimate entered

Screen 2.4.13 - Time Template with the command menu bar displayed.

From this screen the user can select and initiate any of the displayed commands. By selecting "Describe" the user can access the "Task Notecard" that will give him/her information about the task for which he/she is estimating, the "Job Notecard" that will give him/her information about the crew member who will be performing that task, or the "Function Notecard" that give him information about the conditions under which the task is to be performed. The Function Notecard will also display the SPREA requirement for function time if that is available. The notecard that is displayed will be determined by whether a task, a job or the function name is highlighted. By selecting the "Time Estimator" the user can hook into HOS IV. The interface for this selection has not yet been developed.

User Actions:

Describe with task highlighted - Displays the Task Notecard for the highlighted task. See screen 2.1.15 for an example of a Task Notecard.

Describe with a job highlighted - Displays the Job Notecard for the highlighted job. See screen 2.2.4 for an example of a Job Notecard.

Describe with the function name highlighted - Displays the Function Notecard for the highlighted function. See 2.1.23 for an example of a Function Notecard.

Time Estimator - Hooks to HOS IV. Next screen is TBD.

F9 - Returns to screen 2.4.1.

<ESC> - Returns the user to screen 2.4.0.

PATH:MDA)WAA)Define Task Performance Parameters MODE: WORK
Describe Time Estimator

TIME TEMPLATE		FUNCTION: Approach and Land Aircraft						
Task List	Job	Conditions	Time Estimates Expected	Best/Worst	Workload Estimates			
			μ sec.	± sec.	V	C	A	P
*Prepare before landing checks	Co-pilot	day	40.00	5.00	5	1	5	2
Check gages are in the green	Co-pilot	day	5.00	1.00	5	1	4	0
Check for any warning lights	Co-pilot	day	5.00	1.00	2	1	2	0
Check radio frequencies	Co-pilot	day	3.00	1.00	5	0	4	2
Check circuit breaker panels	Co-pilot	day	5.00	1.00	2	0	2	0

Screen 2.4.13 - Time Template with the command menu bar displayed.

Screen 2.4.22 - Select Function for the Definition of Task Sequence Constraints

This screen permits the user to define the function for which he/she will define task sequence constraints.

User actions

Using normal edit keys and procedures

From the first level popup

1. The user can select the function on which he/she chooses to work-and press <ENTER>. The next screen is this screen with the bottom part of the first level popup menu modified accordingly.

From the menubar

2. Mode - Next screen is 2.4.23

3. Define - next screen is 2.4.24

4. Check - Next screen is 2.4.28

Other

5. <ESC> - Next screen is ??

PATH: MDA)WAA)CONSTRAINTS)SEQUENCE MODE: WORK

Select Mode Define Check

Select the function for which you want to define sequencing constraints

AVAILABLE FUNCTIONS
1. Plan and Prepare Mission 2. Taxi and Takeoff 3. Fly Aircraft to/from Mission Area 4. Navigate 5. Communicate 6. Approach and Land Aircraft 7. Perform after Landing Tasks 8. Compensate for Inflight Emergencies 9. Acquire Targets More functions
Function Selected: Approach and Land Aircraft

Screen 2.4.22 - Select Function for the Definition of Task Sequence Constraints

Screen 2.4.23 - Selection of Mode for Definition of Sequence Constraints

Users can define sequence constraints in two ways, 1) by task (where they examine each task in the function individually and then define the other tasks in the function which must precede this task) or 2) by table (where they fill out a precedence tablewith the same information). The "By Task" mode will be easier for individuals not as familiar with the task name/number relationships whereas the "By Table" method will be faster for those familiar with the task name/number relationships. It will be left to user discretion which mode they choose. This screen permits this selection.

User actions

Using normal edit keys and procedures

From the first level popup

1. The user can highlight the mode that they wish to use and press <ENTER>. The next screen will be this screen with the bottom part of the popup menu changed accordingly.

From the menubar

2. Select - Next screen is 2.4.22

3. Define - Next screen is 2.4.24

4. Check - Next screen is 2.4.28

Other

5. <ESC> - Next screen is ??

PATH: MDA)WAA)CONSTRAINTS)SEQUENCE MODE: WORK

Select Mode Define Check

Select the mode of defining sequences

MODES FOR ASSIGNING SEQUENCE CONSTRAINTS
1. BY TASK - Go through each task in the selected function and define tasks which must be performed prior to that task 2. BY TABLE- Review and modify a table defining which tasks must be performed prior to all oterh tasks in this function
Current mode: BY TASK

Screen 2.4.23 - Selection of Mode for Definition of Sequence Constraints

Screen 2.4.24 - Begin Definition of Task Sequence Constraints

From this screen the user may begin the definition of task sequence constraints for the selected function.

User actions

Using normal edit keys and procedures

From the first level popup

1. The user can press <ENTER> to begin defining task sequence constraints. The next screen is screen 2.4.25.

From the menubar

2. Select - Next screen is 2.4.22

3. Mode - Next screen is 2.4.23

4. Check - Next screen is 2.4.28

Other

5. <ESC> - Next screen is ??

PATH: MDA⟩WAA⟩CONSTRAINTS⟩SEQUENCE MODE: WORK

Select Mode Define Check

Define sequencing constraints

Function Selected:	Approach and Land Aircraft
Mode Selected:	By Task

Screen 2.4.24 - Begin Definition of Task Sequence Constraints

Screen 2.4.25 - Define Sequence Constraints by Task

From this screen the user can define which tasks within the function must be performed before the subject task (defined on line 3 of the first level popup) can be performed.

User actions

1. The user can use the <Up arrow>, <Down arrow>, <Pg Up>, and <Pg Dn> keys to highlight tasks that must be performed before the subject task (defined on line 3 of the first level popup). Upon highlighting a task, the user can press <ENTER> which will place an "x" in the righmost column of the popup menu (or it will remove an "x" if one is there). The presence of the "x" indicates that the task must be performed before the subject task. Next screen is an appropriate form of screen 2.4.26.

2. <End> - Indicates to the system that the definition of task sequence constraints for this subject task is completed and the subject task will be the next one in the function (e.g., if task number 3 is the subject task, then task number 4 would become the subject task). Next screen is this screen except that the subject task will be changed appropriately.

3. <Home> - Similar to <End> except that it moves to the previous task (e.g., should the user recall a constraint he or she forgot to enter). Next screen is this screen for the prior task.

4. <ESC> - Indicates the completion of defining sequence constraints for this function. Next screen is 2.4.24.

PATH: MDA⟩WAA⟩CONSTRAINTS⟩SEQUENCE⟩DEFINE MODE: WORK

DEFINING SEQUENCING CONSTRAINTS BY TASK	
Function Name: Approach and Land Aircraft Total number of tasks: 24 Task name: Look at and verify landing zone location	
Other tasks in this function	Must be performed before this task
1. Cross check instruments 2. Makes radio call to flight formation 3. Look for indicators of wind direction/speed 4. Manipulates flight controls to reduce speed 5. Maintains altitude and verifies by checking ... 6. Estimate landing zone size and ability to ac... 7. Continue to control aircraft in flight path 8. Look for obstacles and potential hazards in LZ 9. Determine landing direction	
When done: Enter ⟨Pg Dn⟩ for more tasks or ⟨End⟩ for next task in function	

Screen 2.4.25 - Define Sequence Constraints by Task

Screen 2.4.26 - Sample Screen Indicating Sequence Constraints

This screen presents an example of more completely defined task sequence constraints.

User actions

Identical to those defined for Screen 2.4.25.

PATH: MDA⟩WAA⟩CONSTRAINTS⟩SEQUENCE⟩DEFINE MODE: WORK

DEFINING SEQUENCING CONSTRAINTS BY TASK	
Function Name: Approach and Land Aircraft Total number of tasks: 24 Task name: Determine landing direction	
Other tasks in this function	Must be performed before this task
1. Look at and verify landing zone location	X
2. Cross check instruments	
3. Makes radio call to flight formation	X
4. Look for indicators of wind direction/speed	X
5. Manipulates flight controls to reduce speed	
6. Maintains altitude and verifies by checking ...	
7. Estimate landing zone size and ability to ac...	X
8. Continue to control aircraft in flight path	
9. Look for obstacles and potential hazards in LZ	X
When done: Enter ⟨Pg Dn⟩ for more tasks or ⟨End⟩ for next task in function	

Screen 2.4.26 - Sample Screen Indicating Sequence Constraints

Screen 2.4.27 - Table for Definition of Task Sequence Constraints by Table

This screen presents a table to the user so that he/she may develop task sequence constraints more quickly.

User Actions

1. The user can use all arrow keys and the <Pg Up> and <Pg Dn> keys to move around in the table. At any point where the task defined by the row must precede the task defined by the column, the user can press the "x" key. Upon doing so, the x will be placed in the table accordingly. The next screen will be this screen modified accordingly.

2. <ESC> - Next screen is 2.4.24.

PATH: MDA)WAA)CONSTRAINTS)SEQUENCE)DEFINE MODE: WORK

SEQUENCE CONSTRAINTS TABLE

Enter an "x" every time the row task must precede the column task

Total number of tasks = 24 (use Pg Up, Pg Dn and Cursor keys to review more)

Task number and name	Task number 1	2	3	4	5	6	7	8	9	10	11	12	13	14
1 Look at and verify landing														
2 Cross check instruments														
3 Makes radio call to flight..										x				
4 Look for indicators of win..														
5 Manipulates flight control..														
6 Maintains altitude and ver..														
7 Estimate landing zone size														
8 Continue to control aircra..														
9 Look for obstacles and pot..														
10 Establish approach heading														
11 Ask for prelanding check														
12 Monitor rate of closure an..														
13 Evaluate landing zone surf..														
14 Make final decision to tou..	x		x				x		x	x	x		x	

Screen 2.4.27 - Table for Definition of Task Sequence Constraints by Table

Screen 2.4.28 - Begin Check of Task Sequence Constraints

The user can begin the process of checking the logic and completeness of task sequence constraints from this screen. This checking will involve two steps. Both steps will be performed by the system with the results presented to the user for review.

First, the system will complete the sequence constraints tables within each function by specifying all implicit sequence constraints (i.e., for all situations where task xxxx must precede task yyyy and task yyyy must precede task zzzz, the system will infer that task xxxx must precede task zzzz and fill in the sequence constraints table accordingly.

Second, the system will look for circular constraints indicating logic errors (i.e., when task xxxx must precede task yyyy and task yyyy must precede task zzzz and task zzzz must precede task xxxx).

User actions

Using normal edit keys and procedures

From the first level popup

1. The user can press <ENTER> which will begin the process of looking for circular constraints and completing the table for the selected function. As the analysis proceeds, the user will be presented with screen 2.4.29.

   When a circular constraint is identified, screen 2.4.30 will be presented.

From the menubar

2. Select - Next screen is 2.4.22

3. Mode - Next screen is 2.4.23

4. Define - Next screen is 2.4.24

Other

5. <ESC> - Next screen is ??

PATH: MDA⟩WAA⟩CONSTRAINTS⟩SEQUENCE MODE: WORK

Select Mode Define Check

Check the sequence constraints for internal consistency and fill out table

Function Selected: Approach and Land Aircraft

Total number of constraints directly identified = 22

Press ⟨enter⟩ to begin

Screen 2.4.28 - Begin Check of Task Sequence Constraints

Screen 2.4.29 - Status During Task Sequence Check

As the task sequence constraint checking process proceeds, this screen will be presented to the user and updated.

User actions

1. When a circular sequence constraint is identified, the next screen is 2.4.30.

2. When the process is complete, the next screen is 2.4.31.

3. <ESC> - Next screen is 2.4.28

PATH: MDA) WAA) CONSTRAINTS) SEQUENCE MODE: WAIT

Select Mode Define Check

Check the sequence constraints for internal consistency and fill out table

Function Selected: Approach and Land Aircraft

Total number of constraints directly identified = 22

Number of sequence constraints synthesized = 4

Screen 2.4.29 - Status During Task Sequence Check

Screen 2.4.30 - Identification of a Circular Constraint

Please see the description of screen 2.4.28.

As a circular constraint is identified, the user will be informed on this screen.

User actions

1. <ENTER> - Continues the process. The next screen is 2.4.28.

2. <ESC> - Next screen is 2.4.28.

PATH: MDA⟩WAA⟩CONSTRAINTS⟩SEQUENCE MODE: WORK

Select Mode Define Check

Check the sequence constraints for internal consistency and fill out table

Function Selected: Approach and Land Aircraft

Total number of constraints directly identified = 22

Number of sequence constraints synthesized = 6

WARNING

There is a circular sequence constraint.
The task "Reduce power - flat pitch"
must be performed before
the task "Talk to crew chief on intercom"
AND vice versa.
This MUST be corrected.

Press ⟨enter⟩ to continue.

Screen 2.4.30 - Identification of a Circular Constraint

Screen 2.4.31 - Completion of Checking Task Sequence Constraints

This screen indicates to the user that the process of checking the task sequence constraints is complete. It also provides him or her with the opportunity to review or print the sequence constraints table.

User action

1. <ENTER> or "R" - Indicates to the system that the user would like to review the sequence constraints table. Next screen is 2.4.32.

2. <Down arrow> and <ENTER> or "P" - Indicates to the system that the sequence constraints table should be printed and initiates this action. Next screen is this screen.

3. <ESC> - Next screen is 2.4.28

PATH: MDA>WAA>CONSTRAINTS>SEQUENCE MODE: WORK

Select Mode Define Check

Check the sequence constraints for internal consistency and fill out table

Function Selected: Approach and Land Aircraft

Total number of constraints directly identified = 22

Number of sequence constraints synthesized = 14

SEQUENCE CHECK COMPLETE

1. Review sequence constraints table
2. Print sequence constraints table

Screen 2.4.31 - Completion of Checking Task Sequence Constraints

Screen 2.4.32 - Review of Fully Completed Task Sequence Constraints Table

This screen presents to the user the task sequence constraints table which includes the constraints entered directly by the user as well as those synthesized during the checking process. Circular constraints are identified by cells in the matrix with a "C."

User action

1. The user may use all arrow keys and the <Pg Up> and <Pg Dn> keys to move around within the table (if it cannot all fit on one screen).

2. <ESC> - Next screen is 2.4.31

PATH: MDA)WAA)CONSTRAINTS)SEQUENCE)DEFINE MODE: WORK

Select Mode Define Check

Check the sequence constraints for internal consistency and fill out table

SEQUENCE CONSTRAINTS TABLE

An "x" indicates that the row task must precede the column task

Total number of tasks = 24 (use Pg Up, Pg Dn and Cursor keys to review more)

Task number and name	Task number 1	2	3	4	5	6	7	8	9	10	11	12	13	14
1 Look at and verify landing														
2 Cross check instruments														
3 Makes radio call to flight..										x				
4 Look for indicators of win..														
5 Manipulates flight control..														
6 Maintains altitude and ver..														
7 Estimate landing zone size														
8 Continue to control aircra..														
9 Look for obstacles and pot..														
10 Establish approach heading														
11 Ask for prelanding check														
12 Monitor rate of closure an..														
13 Evaluate landing zone surf..														
14 Make final decision to tou..	x		x				x		x	x	x		x	

Screen 2.4.32 - Review of Fully Completed Task Sequence Constraints Table

3.6.5 Step 5 - Define Initial Task Sequencing Relationships

3.6.5.1 Input

External Input: The user must have access to information which will allow him/her to make reasonable task sequencing assignments. The following external sources are listed in order by their usefulness: Contractors Design Specification, Subject Matter Experts, and design or operations documentation for analogous systems. The most important external source is the Contractor's Design Specifications. The design documents should provide useful information about the use interfaces and operation procedures for the new system. system. This documentation may include a listing of crew tasks.

Other external sources will be Subject Matter Experts and any design documents or manuals for an analogous system (i.e., Trainer Guides, Soldier Manuals, Job Books, How to Fight Manuals, and Operator Manuals). These sources are not as straightforward as a complete contractor design document on the new system and may produce a grosser level of analysis.

Internal Input: The internal input will be the updated Task Data File with the task listing, crew assignments, Task Notecard, Job Notecard, Function Notecard, and the task sequence constraints.

3.6.5.2 Process

The user must specify two types of sequential relationships, 1) tasks within functions and 2) functions within missions. Both steps involve identical processes.

The process for assigning initial task sequences within

functions will first involve the user selecting a function in which to define tasks. Then, the user will, for each task within the function, identify whether it is a continuous or discrete task. For continuous tasks (those that are performed continuously or intermittently throughout the execution of the function), the user must then define the on/off interval. For example, the task of "monitoring flight displays" may be performed one second out of every ten seconds. Therefore, this task would have an on/off interval of 1 second/9 seconds. If a task is discrete, then the user must define the tasks that will start when this task completes as well as the associated probability of each task starting. Using this system, the user can define a single task starting at the end of the task, several potential tasks starting at the end of this task with a probabilistic branch, or several potential tasks starting at the end of this task simultaneously.

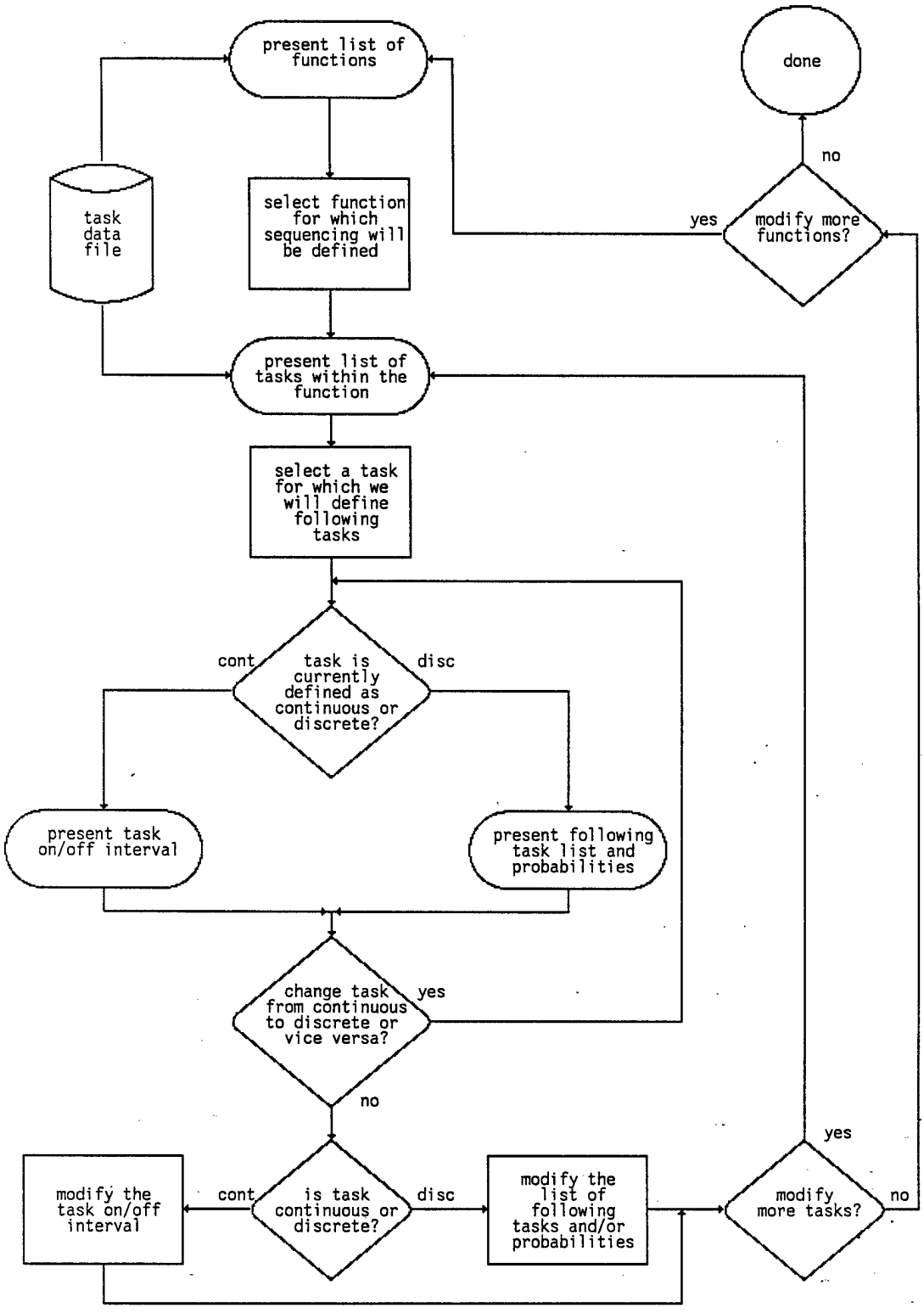
As task sequencing relationships are defined, they will be checked against task sequencing constraints. Errors will be identified to the user so that task sequences may be redefined or the task sequencing constraints eliminated.

During or tt the completion of the development of task sequences, the user may look at the task network associated with the task sequencing relationships defined. These task networks can also be printed.

Figure 3.6.5-1 presents a flowchart of the process of developing sequencing relationships.

3.6.5.3 Output

The output of this step will be a revised Task Data File which includes task sequencing information.


present list of functions
done
task data file
select function for which sequencing will be defined
yes
modify more functions?
no
present list of tasks within the function
select a task for which we will define following tasks
cont
task is currently defined as continuous or discrete?
disc
present task on/off interval
present following task list and probabilities
change task from continuous to discrete or vice versa?
yes
no
modify the task on/off interval
cont
is task continuous or discrete?
disc
modify the list of following tasks and/or probabilities
yes
modify more tasks?
no

3.6.5.4 User Interfaces

Screens 2.5.1 through 2.5.9 relate to the development of task sequencing relationships among tasks.

Screen 2.5.1 - Select Whether Sequences of Tasks or Functions are Being Defined

In finally developing a scenario for a Task Data File, the user must define the sequence of functions within a mission as well as tasks within a function. There is no inherent order which the user must follow to define task and function sequence but both must be defined prior to executing a simulation. This screen permits the user to select whether he/she is defining functions within a mission or tasks within a function.

The screens that follow represent the process of defining tasks within a function only. However, the definition of functions within a mission involves identical screens with appropriate wording changes (e.g., "tasks" become "functions," "functions" become "missions," and so on).

User Actions

Using normal edit keys and procedures

From the first level popup

1. The user can highlight which mode he/she would like to be in and press <ENTER>. Next screen is this screen.

From the menubar

2. Define - Next screen is 2.5.2

3. Review - Next screen is 2.5.8

Other

4. <ESC> next screen is ??.

PATH: MDA) WAA) SEQUENCE MODE: WORK

Mode Define Review

Select whether you are defining sequences of tasks or functions

1. Define sequences of tasks within a function
2. Define sequences of functions within a mission

Screen 2.5.1 - Select Whether Sequences of Tasks or Functions are Being Defined

Screen 2.5.2 - Select the Function for Which the User Will Define Task Sequences

This screen permits the user to define the function for which task sequence will be defined.

If the user were defining functions within missions, the list would be one of available missions.

User actions

Using normal edit keys and procedures

From the first level popup

1. The user can select the function and press <ENTER>. The next screen is 2.5.3.

From the menubar

2. Mode - Next screen is 2.5.1.

3. Review - Next screen is 2.5.8

Other

4. <ESC> - Next screen is ??

PATH: MDA)WAA)SEQUENCE MODE: WORK

Mode Define Review

Define sequences of tasks or functions

You will be defining sequences of tasks within a function

Select the function from the following list:

1. Plan and Prepare Mission
2. Taxi and Takeoff
3. Fly Aircraft to/from Mission Area
4. Navigate
5. Communicate
6. Approach and Land Aircraft
7. Perform after Landing Tasks
8. Compensate for Inflight Emergencies
9. Acquire Targets

More functions

Screen 2.5.2 - Select the Function for Which the User Will Define Task Sequences

Screen 2.5.3 - Selection of Task to Define Succeeding Tasks

The user will define task sequence for every task within the function based on which tasks follow each task in the function (if any). This screen permits the user to select the task for which he/she will define succeeding tasks.

Note that the user does not fill in this table on the first popup menu. Tasks are derived from the task list on the Task Data File and the other two columns are derived from information he/she provides on succeeding screens.

User actions

1. The user can use the <Up arrow> and <Down arrow> keys to select the task for which succeeding tasks will be defined. Upon highlighting the selected task, the user can hit <ENTER) and receive screen 2.5.4, 2.5.5, 2.5.6, or 2.5.7, if the task is currently of the decision type single, probabilistic, multiple, or continuous, respectively.

2. <ESC> - next screen is 2.5.2.

PATH: MDA)WAA)SEQUENCE)DEFINE MODE:WORK

Function: Approach and Land Aircraft 24 tasks total

	Tasks	Continuous/Discrete	Following task decision type
1	Look at and verify landing	discrete	single
2	Cross check instruments	continuous	NA
3	Makes radio call to flight..	discrete	probabilistic
4	Look for indicators of win..	discrete	single
5	Manipulates flight control..	continuous	NA
6	Maintains altitude and ver..	continuous	NA
7	Estimate landing zone size	discrete	single
8	Continue to control aircra..	continuous	NA
9	Look for obstacles and pot..	continuous	NA
10	Establish approach heading	discrete	multiple
11	Ask for prelanding check	discrete	single
12	Monitor rate of closure an..	discrete	single
13	Evaluate landing zone surf..	discrete	single
14	Make final decision to tou..	discrete	probabilistic

Screen 2.5.3 - Selection of Task to Define Succeeding Tasks

Screen 2.5.4 - Define Task Sequence for Single Decision Type

Tasks may be designated as either discrete (i.e., they have a defined period of time that they require to perform) or continuous (i.e., they are performed continuously or intermittently throughout the performance of the function). Furthermore, discrete tasks may be either a single decision (i.e., always perform the same task following the completion of this task), probabilistic (i.e., perform one of several following tasks at the completion of this task based on a probabilistic branch), or multiple (i.e., begin performing several tasks upon the completion of this task). For any task, the user must first designate if it is discrete or continuous. If a task is designated as continuous then the screen will be that presented in screen 2.5.7. If it is discrete, then the user must designate the task numbers which will follow this task as well as the probabilities of starting each following task. If there is only one task, it is assumed to be a single decision type. If there are multiple following tasks and the probabilities sum to 1.0, then it is assumed to be a probabilistic decision type. Finally, if there are multiple following tasks and the probabilities sum to greater than one, it is assumed to be a multiple decision type.

This screen represents that for a single decision type.

User actions

Using normal edit keys and procedures

1. The user can use the <Up arrow> and <Down arrow> keys to select the line to modify. If the user is modifying the line entitled "Task is designated," then pressing the <ENTER> key will change the designation to

continuous and the next screen will be 2.5.4. This would behave as a toggle between a task being designated as continuous or discrete.

If the lines below the line marked "Number Name Probability" are highlighted, then by pressing <ENTER>, the user will be able to enter a new task number (the task name will then be automatically inserted) and an associated probability that the task will be selected.

2. <ESC> - Next screen is 2.5.3

PATH: MDA)WAA)SEQUENCE)DEFINE MODE:WORK

Function: Approach and Land Aircraft 24 tasks total

Tasks

1 Look at and verify landing
2 Cross check instruments
3 Makes radio call to flight..
4 Look for indicators of win..
5 Manipulates flight control..
6 Maintains altitude and ver..
7 Estimate landing zone size
8 Continue to control aircra..
9 Look for obstacles and pot..
10 Establish approach heading
11 Ask for prelanding check
12 Monitor rate of closure an..
13 Evaluate landing zone surf..
14 Make final decision to tou..

TASK SEQUENCING INFORMATION

Task is designated Discrete
(highlight and hit return to change)

Task(s) to begin after this task is complete:

Number	Name	Probability
3	Make radio call to flight	1.0

Screen 2.5.4 - Define Task Sequence for Single Decision Type

Screen 2.5.5 - Define Task Sequence for a Probabilistic Decision Type

Please see the discussion on screen 2.5.4.

This screen represents a probabilistic decision type.

User Actions

Using normal edit keys and procedures

1. The user can use the <Up arrow> and <Down arrow> keys to select the line to modify. If the user is modifying the line entitled "Task is designated," then pressing the <ENTER> key will change the designation to continuous and the next screen will be 2.5.7. This would behave as a toggle between a task being designated as continuous or discrete.

   If the lines below the line marked "Number Name Probability" are highlighted, then by pressing <ENTER>, the user will be able to enter a new task number (the task name will then be automatically inserted) and an associated probability that the task will be selected.

2. <ESC> - Next screen is 2.5.3

PATH: MDA) WAA) SEQUENCE) DEFINE MODE:WORK

Function: Approach and Land Aircraft 24 tasks total

Tasks

1 Look at and verify landing
2 Cross check instruments
3 Makes radio call to flight..
4 Look for indicators of win..
5 Manipulates flight control..
6 Maintains altitude and ver..
7 Estimate landing zone size
8 Continue to control aircra..
9 Look for obstacles and pot..
10 Establish approach heading
11 Ask for prelanding check
12 Monitor rate of closure an..
13 Evaluate landing zone surf..
14 Make final decision to tou..

TASK SEQUENCING INFORMATION

Task is designated Discrete
(highlight and hit return to change)

Task(s) to begin after this task is complete:

Number	Name	Probability
3	Make radio call to flight	0.3
4	Look for indicators of ..	0.7

Screen 2.5.5 - Define Task Sequence for a Probabilistic Decision Type

Screen 2.5.6 - Define Task Sequence for a Multiple Decision Type

Please see the discussion for screen 2.5.4.

This screen represents a multiple decision type.

User Actions

Using normal edit keys and procedures

1. The user can use the <Up arrow> and <Down arrow> keys to select the line to modify. If the user is modifying the line entitled "Task is designated," then pressing the <ENTER> key will change the designation to continuous and the next screen will be 2.5.7. This would behave as a toggle between a task being designated as continuous or discrete.

   If the lines below the line marked "Number Name Probability" are highlighted, then by pressing <ENTER>, the user will be able to enter a new task number (the task name will then be automatically inserted) and an associated probability that the task will be selected.

2. <ESC> - Next screen is 2.5.3

PATH: MDA) WAA) SEQUENCE) DEFINE MODE:WORK

Function: Approach and Land Aircraft 24 tasks total

Tasks

1 Look at and verify landing
2 Cross check instruments
3 Makes radio call to flight..
4 Look for indicators of win..
5 Manipulates flight control..
6 Maintains altitude and ver..
7 Estimate landing zone size
8 Continue to control aircra..
9 Look for obstacles and pot..
10 Establish approach heading
11 Ask for prelanding check
12 Monitor rate of closure an..
13 Evaluate landing zone surf..
14 Make final decision to tou..

TASK SEQUENCING INFORMATION

Task is designated Discrete
(highlight and hit return to change)

Task(s) to begin after this task is complete:

Number	Name	Probability
11	Ask for prelanding check	1.0
12	Monitor rate of closure..	1.0
13	Evaluate landing zone s..	1.0

Screen 2.5.6 - Define Task Sequence for a Multiple Decision Type

Screen 2.5.7 - Define Task Periodicity for a Continuous Task

Please see the discussion for screen 2.5.4.

For continuous tasks, the information that must be defined is slightly different. Rather than defining the following tasks, the user must define the interval of performance over a period. Some continuous tasks may be ongoing continuously (e.g., "ON for 1 second, OFF for 0 seconds") and some may be intermittent (as in this example screen). This screen permits the user to make this designation.

User actions

Using normal edit keys and procedures

1. The user can use the <Up arrow> and <Down arrow> keys to select the line to modify. If the user is modifying the line entitled "Task is designated," then pressing the <ENTER> key will change the designation to discrete and the next screen will be 2.5.4. This would behave as a toggle between a task being designated as continuous or discrete.

   If the lines below the line marked "interval for this task is as follows:" are marked then the user can press <ENTER> and enter a number which represents either the new ON-period or OFF-period.

2. <ESC> - Next screen is 2.5.3

PATH: MDA)WAA)SEQUENCE)DEFINE MODE:WORK

Function: Approach and Land Aircraft 24 tasks total

Tasks

1 Look at and verify landing
2 Cross check instruments
3 Makes radio call to flight..
4 Look for indicators of win..
5 Manipulates flight control..
6 Maintains altitude and ver..
7 Estimate landing zone size
8 Continue to control aircra..
9 Look for obstacles and pot..
10 Establish approach heading
11 Ask for prelanding check
12 Monitor rate of closure an..
13 Evaluate landing zone surf..
14 Make final decision to tou..

TASK SEQUENCING INFORMATION

Task is designated Continuous
(highlight and hit return to change)

During this function the on/off interval for this task is as follows:

ON for 2 seconds
OFF for 8 seconds

Screen 2.5.7 - Define Task Periodicity for a Continuous Task

Screen 2.5.8 - Review Sequences of Tasks or Functions

At any point, the user may wish to review the task or function sequencing definition visually through a review of the task network. This screen permits the user to select a function and then review the task network.

User actions

Using normal edit keys and procedures

From the first level popup

1. The user may highlight the function he/she wants to review and press <ENTER>. The next screen will be 2.5.9.

From the menubar

2. Mode - Next screen is 2.5.1

3. Define - Next screen is 2.5.2

Other

4. <ESC> - Next screen is ??.

PATH: MDA) WAA) SEQUENCE MODE: WORK

Mode Define Review

Review sequences of tasks or functions

You will be reviewing sequences of tasks within a function

Select the function from the following list:

1. Plan and Prepare Mission
2. Taxi and Takeoff
3. Fly Aircraft to/from Mission Area
4. Navigate
5. Communicate
6. Approach and Land Aircraft
7. Perform after Landing Tasks
8. Compensate for Inflight Emergencies
9. Acquire Targets

More functions

Screen 2.5.8 - Review Sequences of Tasks or Functions

Screen 2.5,9 - Review of Task Sequence

On this screen will be a network drawing of the task network which will describe the sequence of tasks for the designated function. The user can review this to determine whether changes must be made. Standard Micro SAINT task network nomenclature will be used in the network drawings.

User actions

1. <Arrow keys> or <Pg Up> or <Pg Dn> - These keys will permit the user to move around in the task network drawing if the drawing requires more than one screen.

2. <ESC> - Next screen is 2.5.8

PATH: MDA) WAA) SEQUENCE) REVIEW MODE:WORK

Sequence of tasks for function PLAN AND PREPARE MISSION

NETWORK DRAWING WILL APPEAR HERE

Screen 2.5.9 - Review of Task Sequence

3.6.6 Step 6 - Execute the Computer Simulation

3.6.6.1 Input

External Input: There is no external input to this step

Internal Input: The WAA software and the Task Data File developed in preceding steps.

3.6.6.2 Process

The user/analyst will gain access to this step through the main WAA flowchart menu. After all steps prior to this have been completed, the user will need to run the simulation to gather the function performance time data and the workload data. It is worth noting that this step will only include the development of raw data. In succeeding steps, the user will be able to define excessive workload in any number of ways and analyze the data accordingly. Consequently, one simulation run may serve to support any number of analyses.

The flow diagrams of the process of performing step 6 are included in figure 3.6.6-1.

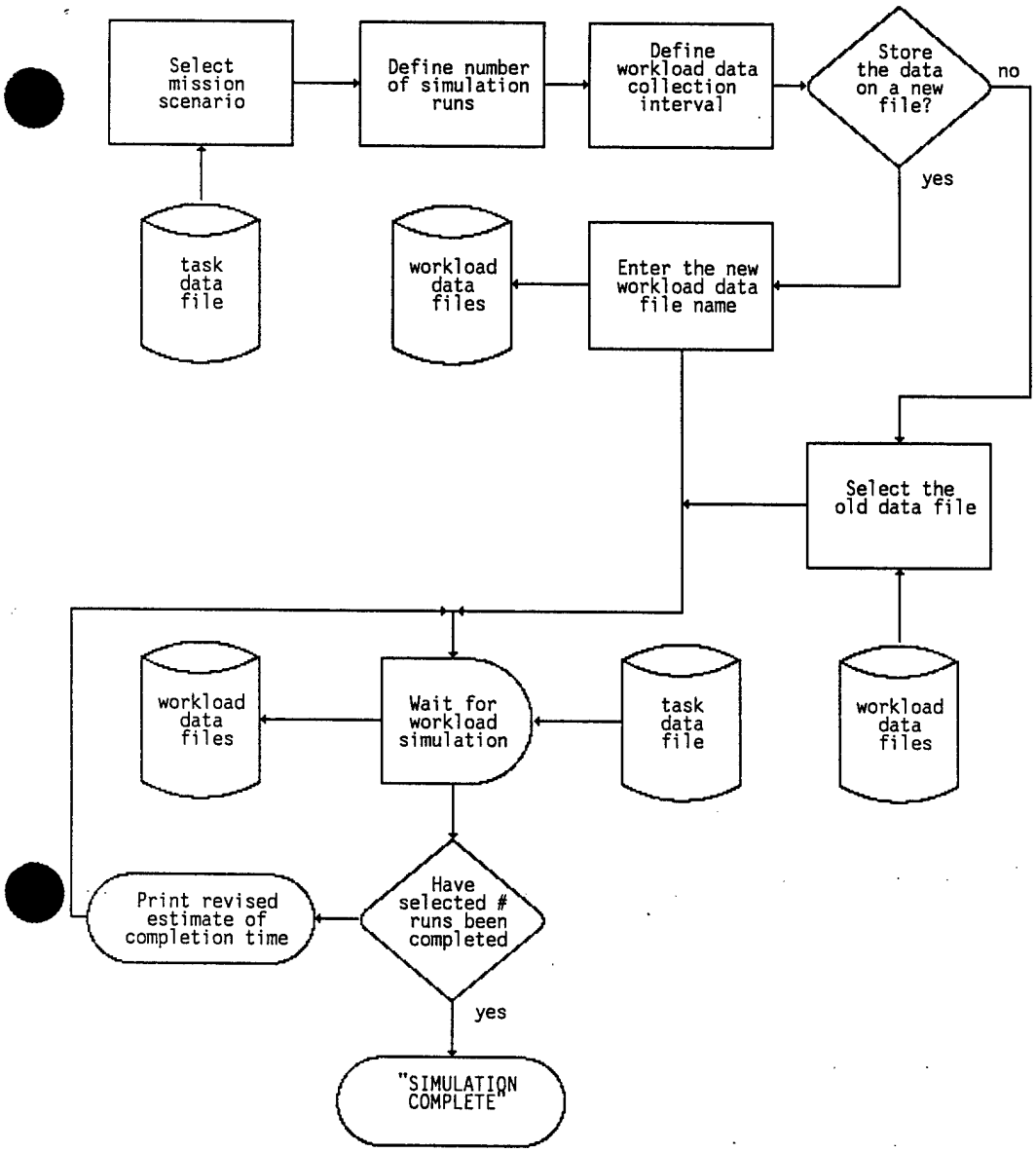
3.6.6.3 Output

The output of this step will be the Workload Data File which will be used in succeeding steps to conduct both workload and timeline analyses.

3.6.6.4 User Interface

The user interfaces that apply to this step are described in detail on the following pages. Screens 2.6.1 through 2.6.9 are applicable to this step.

Figure 3.6.6-1 RUN THE WORKLOAD SIMULATION



Screen 2.6.1 - Simulation Run Setup Description

This screen is a description of the current parameters of the simulation run. It describes the 1) scenario (from the Task Data File) that will be run, 2) how many times the simulation will be executed (which will determine the amount of data to be generated on the Workload Data File), 3) the frequency of workload data collection (dictating the resolution of possible analyses), and 4) what the name of the Workload Data File will be. The user actions will be to either accept or redefine the setup.

User Actions

Using normal editing keys and procedures

From the first pop-up

1. Current Mission Scenario - Next screen is 2.6.2

2. Number of Simulation Runs - Next screen is 2.6.3

3. Collect Workload Data Every - Next Screen is 2.6.4.

4. Store the Data on File - Next Screen is 2.6.5.

From the menubar

5. Run - Next screen is 2.6.6

Other

<ESC> - next Screen is 2.0

PATH: MDA) WAA) RUN Mode: WORK

Setup Run
Setup simulation run including scenario name, number of runs, and data collected

1. Current Mission Scenario: Attack

2. Number of Simulation Runs: 25
3. Collect Workload Data Every: .10 seconds

4. Store the data on the file: attack01

Screen 2.6.1 - Simulation Run Setup Description

Screen 2.6.2 - Redefine the Current Mission Scenario

This screen allows the user to select a scenario describing different task sequences, conditions, etc., from the Task Data File. When the user selects this option from Screen 2.6.1, the system will present to the user all of the scenarios stored in the Task Data File in a second level popup menu. The user must then select one of these for use in the simulation.

User Actions

Using normal editing keys and procedures

From the Second level popup

1. The scenario that will be used in the workload simulation. The next screen is 2.6.1.

Other

<ESC> - Next screen is 2.6.1

PATH: MDA>WAA>RUN

Mode: WORK

Setup Run

Setup simulation run including scenario name, number of runs, and data collected

1. Current Mission Scenario: Attack

2. Number of Simulation Runs: 25
3. Collect Workload Data Every: .10 seconds

4. Store the data on the file: attack01

AVAILABLE SCENARIOS

1. Attack
2. Low visibility
3. 3 vs. 3 engage

Screen 2.6.2 - Redefine the Current Mission Scenario

Screen 2.6.3 - Define the Number of Simulation Runs

This screen allows the user to define the number of times the scenario will be run during the simulation.

User Actions

1. The user can type in the number of simulation runs desired.

2. <ESC> - The next screen is 2.6.1

PATH: MDA)WAA)RUN Mode: WORK

Setup Run
Setup simulation run including scenario name, number of runs, and data collected

1. Current Mission Scenario: Attack

2. Number of Simulation Runs: 25
3. Collect Workload Data Every: .10 seconds

4. Store the data on the file: attack01

Screen 2.6.3 - Define the Number of Simulation Runs

Screen 2.6.4 - Define the Workload Data Collection Interval

This screen allows the user to define the interval of workload data collection (shorter intervals require more storage space but have better resolution).

User Actions

1. The user can type in a number representing the data collection interval in seconds (simulation clock time). Next screen is 2.6.1.

2. <ESC> - The next screen is 2.6.1

PATH: MDA)WAA)RUN Mode: WORK

Setup Run
Setup simulation run including scenario name, number of runs, and data collected

```
1.  Current Mission Scenario:  Attack

2.  Number of Simulation Runs: 25
3.  Collect Workload Data Every: .10 seconds

4.  Store the data on the file:  attack01
```

Screen 2.6.4 - Define the Workload Data Collection Interval

Screen 2.6.5 - Select the File for Storing Workload Data

This screen allows the user to define the Workload Data File where the results of the simulation will be stored. The user may select an existing file (which will then be overwritten) or create a new file name.

User Actions

Using normal editing keys and procedures

From the second level popup

1. Select - The selected file will be used in the simulation. The next screen is then 2.6.1.

2. Insert - The user will be prompted for a new file name which will then be used for storing simulation results. Next screen is 2.6.1.

Other

3. <ESC> - The next screen is 2.6.1.

PATH: MDA) WAA) RUN Mode: WORK

Setup Run
Setup simulation run including scenario name, number of runs, and data collected

1. Current Mission Scenario: Attack

2. Number of Simulation Runs: 25
3. Collect Workload Data Every: 2.0 seconds

4. Store the data on the file: attack01

EXISTING FILES

1. attack01
2. feb0987
3. test2

Select Insert

Screen 2.6.5 - Select the File for Storing Workload Data

Screen 2.6.6 - Begin the Simulation Run

This screen provides the user with information about the simulation run to ensure this is the simulation intended. From this screen, he\she can begin the simulation,

User Actions

1. <ENTER> - Begins the simulation. Next screen is 2.6.7.

2. <ESC> - The next screen is 2.0

PATH: MDA)WAA)RUN Mode: WORK

Setup Run
Run simulation to collect workload data

Current Mission Scenario: Attack
25 runs planned Data will be stored on file attack01

Screen 2.6.6 - Begin the Simulation Run

Screen 2.6.7 - Review the Simulation Run - No Completion Estimate

This screen presents the user with the status of the simulation prior to the completion of the first run Therefore, the system cannot estimate the time that the simulation will be completed.

User Actions

1. <ESC> - Halts the simulation. Next screen is 2.6.6.

PATH: MDA) WAA) RUN Mode: WAIT

Setup Run
Run simulation to collect workload data

Current Mission Scenario: Attack
Running 01 of 25 runs Can't yet predict when it should be done Data is being stored on the file attack01

Screen 2.6.7 - Review the Simulation Run - No Completion Estimate

Screen 2.6.8 - Review the Simulation Run - Completion Estimate

This screen presents the user with the status of the simulation after the completion of the first run. It includes an expected completion time based on the time required for earlier runs.

User Actions

1. <ESC> - halts the simulation. Next screen is 2.6.6.

PATH: MDA>WAA>RUN Mode: WAIT

Setup Run
Run simulation to collect workload data

Current Mission Scenario: Attack
Running 03 of 25 runs Should be done at about 12:35 Data is being stored on the file attack01

Screen 2.6.8 - Review the Simulation Run - Completion Estimate

Screen 2.6.9 - Workload Simulation Complete

This screen tells the user that the simulation has been completed.

User Actions

1. <ENTER> - Next screen is 2.6.1

2. <ESC> - Next screen is 2.0

PATH: MDA> WAA> RUN Mode: WORK

Setup Run
Run simulation to collect workload data

Current Mission Scenario: Attack
WORKLOAD SIMULATION COMPLETE Data is stored on file attack01

Screen 2.6.9 - Workload Simulation Complete

3.6.7 Step 7 - Analyze the Simulation Results

3.6.7.1 Input

External Input: None

Internal Input: The input to this step is the Workload Data File which was created in Step 6.

3.6.7.2 Process

This step allows the user to review the workload data which was created in the previous step. The workload data in the previous step includes a detailed record of each simulation run. In Step 6, data are collected at intervals defined by the user on every task being performed by each job (i.e., operator or maintainer) at that point in the simulation. This represents raw workload data. In this step, the user will guide the WAA through the examination of the data to determine the points where workload is excessive which, in Step 8, will be indicative of points where task reallocation is advised.

This step involves several potential activities to the user which are reflected in the WAA software. These basic steps are as follows:

1. Create workload definitions
2. View the raw workload data
3. Select a mode of analysis
4. Run the workload analysis
5. Review the results of the workload analysis
6. Print the results of the workload analysis

Let us discuss each of these potential substeps briefly.

Create workload definitions - The method for assessing workload in the WAA is fully discussed in the Product 5 concept paper and will not be reiterated in detail here. Simply stated, the user defines workload for each task on each of four workload channels, 1) visual, 2) auditory, 3) cognitive, and 4) psychomotor. To evaluate raw workload, the system then sums workload requirements within each workload channel across all tasks[1]. However, the determination of a criterion or criteria for excessive workload is left to the user (although defaults will be provided).

This substep permits the user to create definitions of excessive workload which will then be used in the analysis to identify points of potentially high workload. Additionally, the user can define "workload windows" in this step. Workload windows define the amount of time which a job will have over which workload can be spread. A short window (e.g., one second wide) would mean that tasks must be performed as they are required. A wide window (e.g., 30 seconds) would indicate that task performance can be delayed and, therefore, the workload spread out.

View the raw workload data - Users may wish to review the raw workload data. This substep allows them to peruse the data at different levels of detail.

---

[1]We are fully cognizant of the ongoing debate regarding whether workload across channels should be simply summed, multiplied, or whether a more complex formulation is appropriate. The WAA does not preclude any alternative method of aggregating workload across channels nor does it preclude the redefinition of channels to something other than visual, auditory, cognitive, or psychomotor. Prior to finalizing this aspect of WAA design, we will review the current state research on workload going on by the Army, NASA, and several other institutions to reflect the best understanding of workload estimation. The following discussion assumes the method that was presented in the Product 5 concept paper, but it does not represent a final design decision.

Select the mode of workload analysis - There are two basic modes of workload analysis, 1) active and 2) passive. In the active mode, the system will review the workload data file and, using the workload definitions created in the previous substep, will stop at each a point of excessive workload. The system will then present information to the user about the status of the job at that point as well as the ongoing tasks being performed. The user must then designate whether this point represents a point of excessive workload for it to be stored on the Workload Results file as such. Otherwise, that point will be treated as a point of acceptable workload. The reason for this step is that the prediction of points of excessive workload is an inexact science. Permitting the user to review each point of potentially excessive workload will permit a more realistic determination. Over the life of this product, the prediction of workload may become a more scientific process. However, at this point we have structured this review mechanism into the product.

In the passive mode, the system will use all selected definitions of high workload to flag points of excessive workload.

Run the workload analysis - This substep involves running the analysis in either the active or passive mode. Points of high workload are stored in the Workload Results File accordingly.

Review the results of the workload analysis - This substep allows the user to review the results of the workload analysis. A number of types of reviews are available including graphs of workload profile across a mission, histograms of workload, or summary statistics of several types.

Print the results of the workload analysis - This substep allows the user to print all or part of the workload analyses discussed in the previous substep.

This step does not permit the user to reassign tasks. Rather, it allows him to look at one of the two critical factors on which task reassignment must be based - the workload of the operators or maintainers.

There are several flowcharts which describe aspects of this step. Figure 3.6.7-1 presents a flowchart of the overall step. Figure 3.6.7-2 presents a more detailed flowchart of the substep for developing workload definitions to be used in the analysis. Figure 3.6.7-3 presents a flowchart for the substep of viewing of the raw workload data files. Figure 3.6.7-4 presents a flowchart for the running of the workload data analysis. Figure 3.6.7-5 presents a flowchart for reviewing the workload data analysis. Finally, figure 3.6.7-6 presents a flowchart for printing the results of the workload data analysis.

3.6.7.3 Output

The primary output of this step is the Workload Results File indicating the points at which each job is experiencing excessive workload. Additionally, the user may elect to print a number of reports describing workload analysis results.

3.6.7.4 User Interface

Screens 2.7.1 through 2.7.54 are all related to this step. Screens 2.7.1 nd 2.7.2 describe the process of selecting the workload data file for the analysis. The following are the screens associated with each of the substeps discussed in the previous subsection:

Figure 3.6.7-1 WORKLOAD DATA ANALYSIS

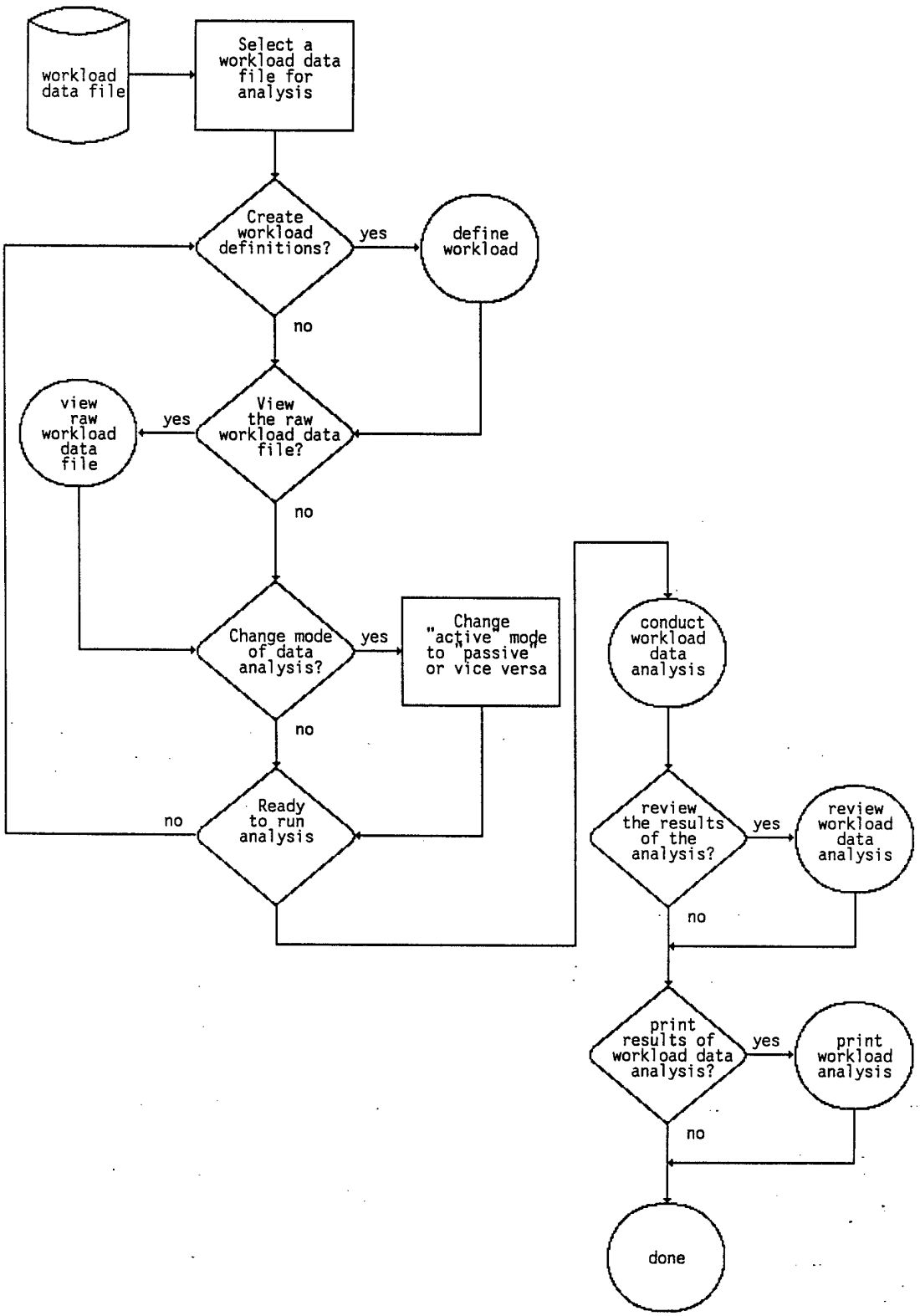


Figure 3.6.7-2 DEFINE WORKLOAD

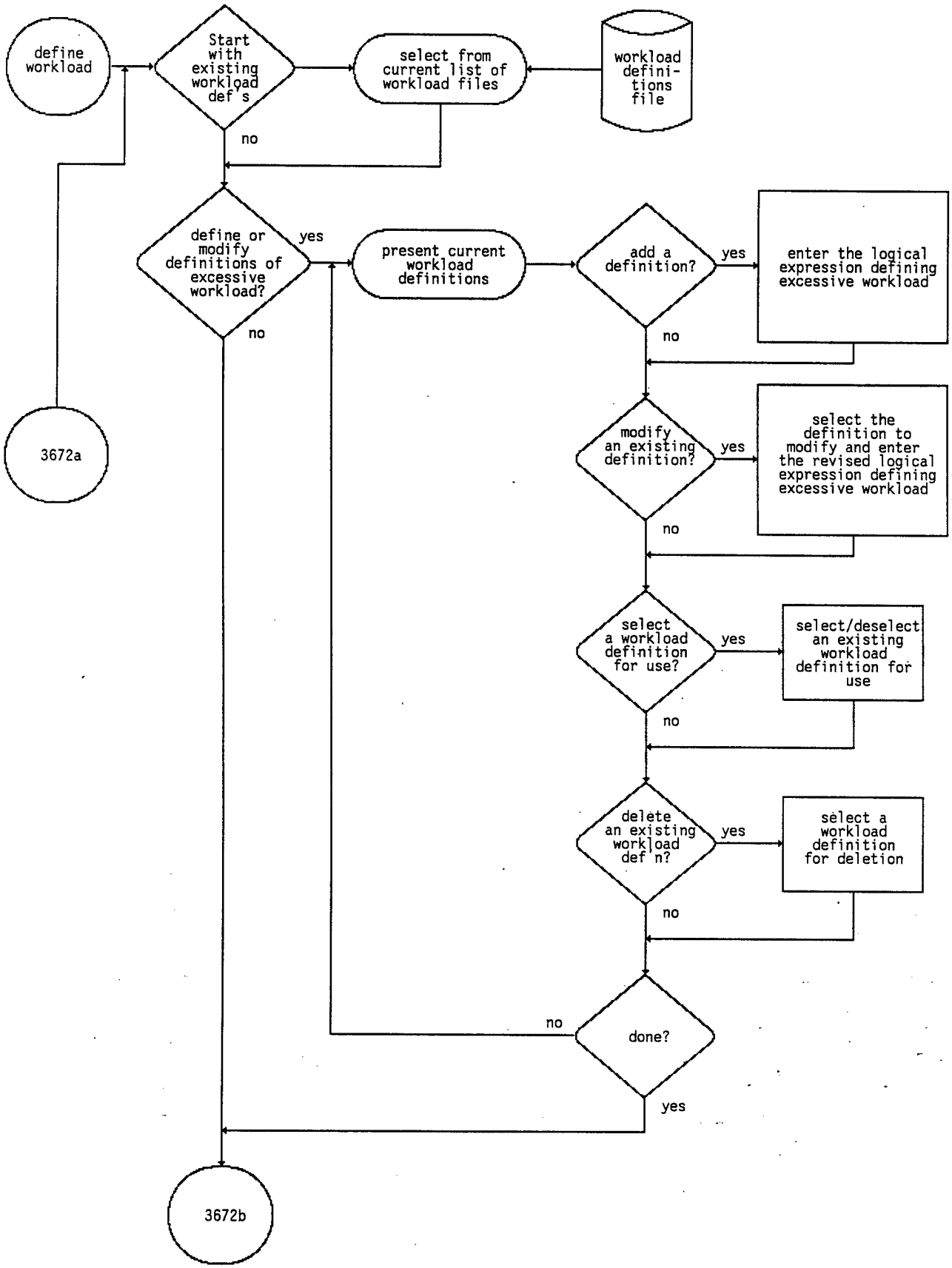


Figure 3.6.7-2 continued

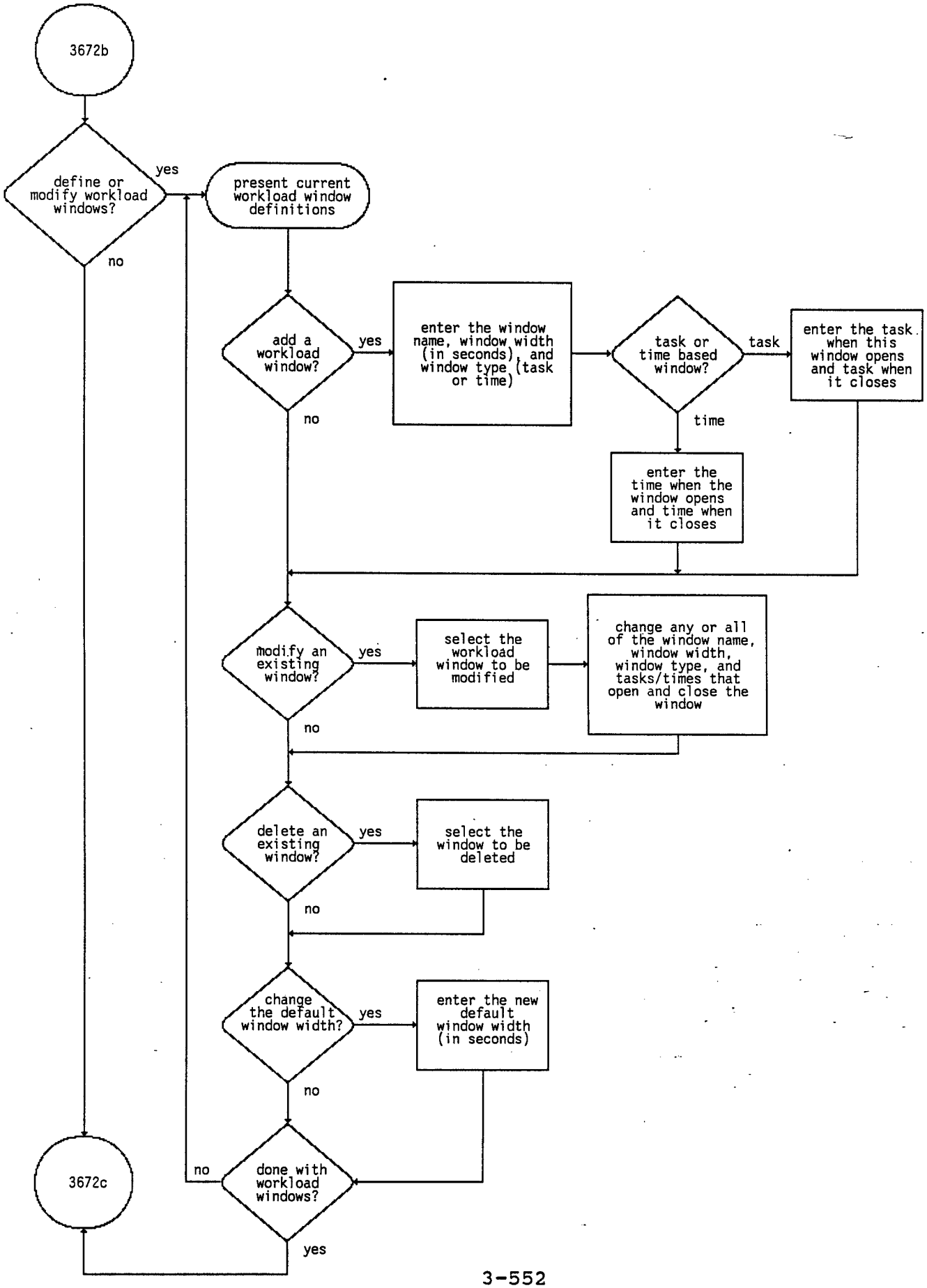


Figure 3.6.7-2 continued

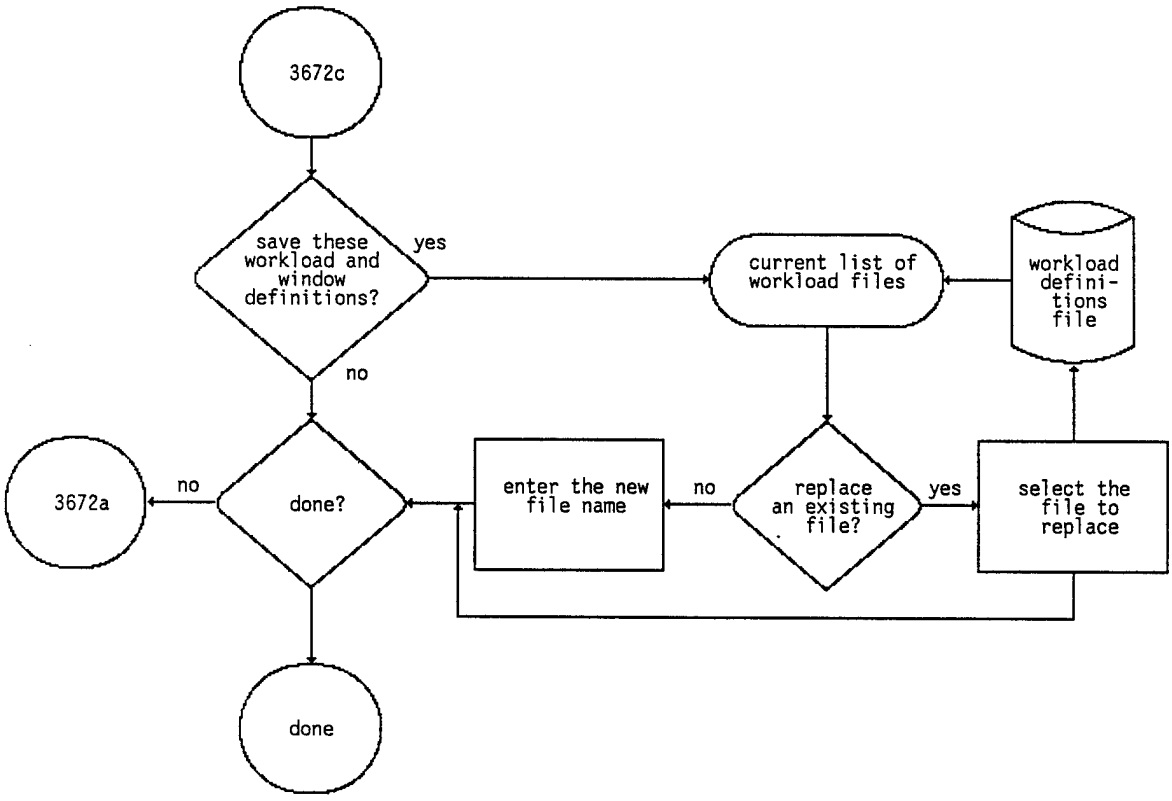


Figure 3.6.7-3 VIEW A RAW WORKLOAD DATA FILE

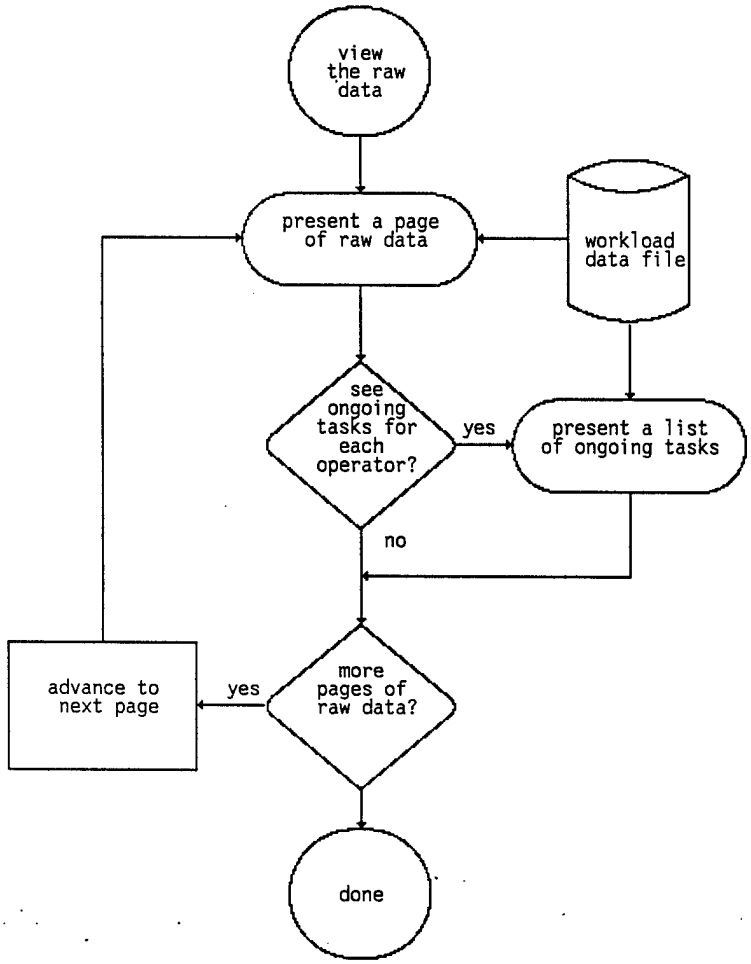


Figure 3.6.7-4 CONDUCT THE WORKLOAD DATA ANALYSIS

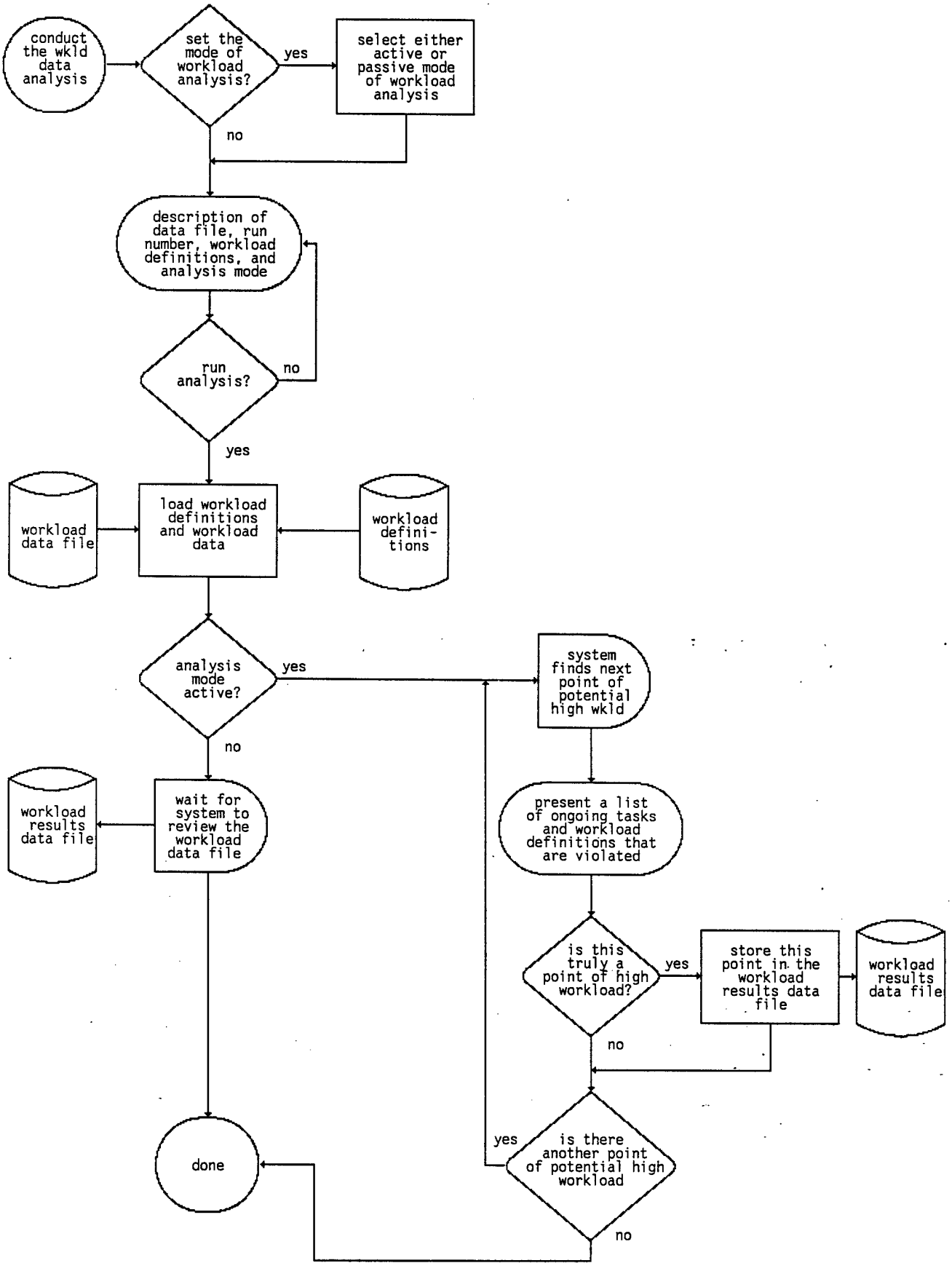


Figure 3.6.7-5 REVIEW WORKLOAD DATA ANALYSIS

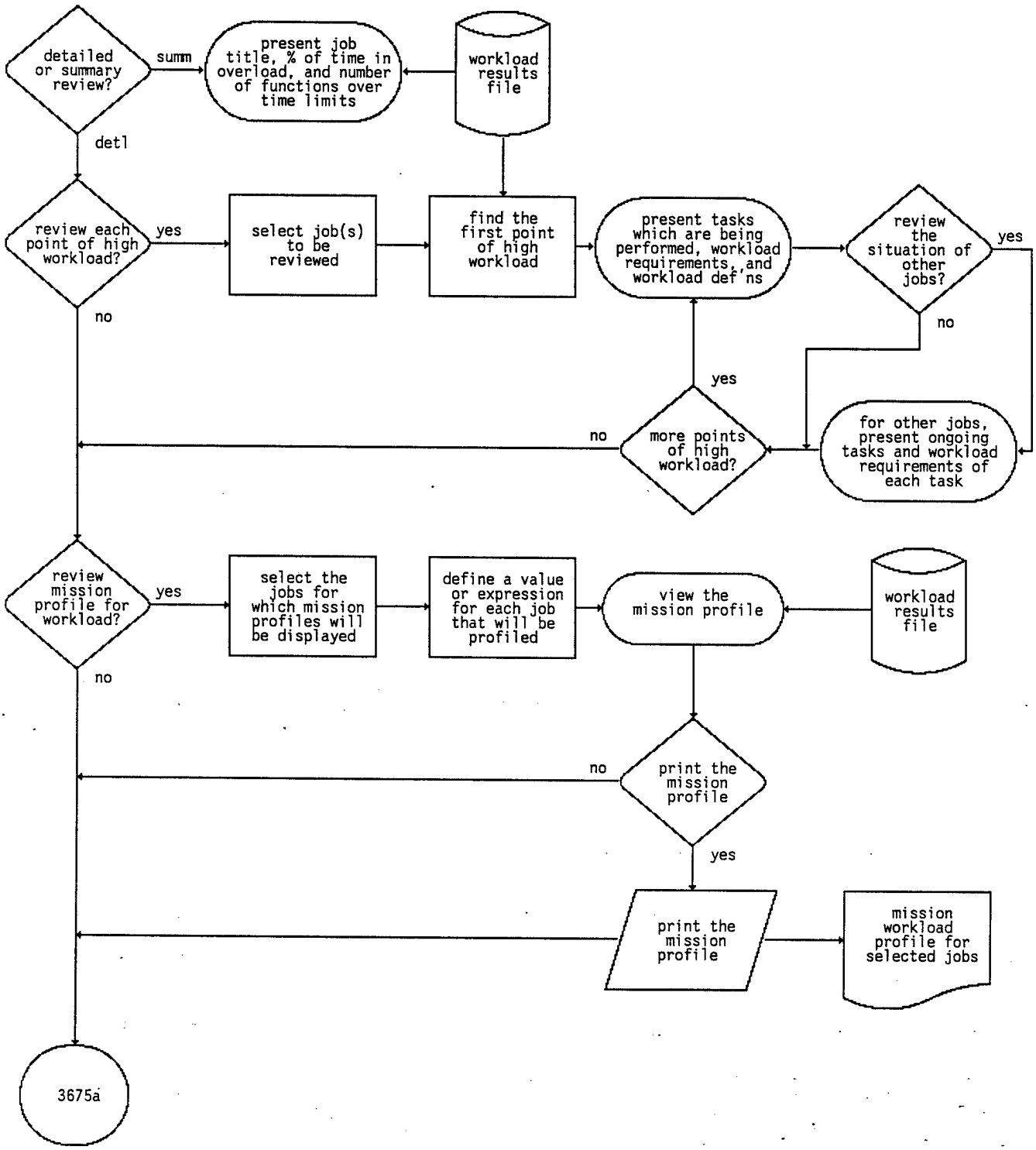


Figure 3.6.7-5 continued

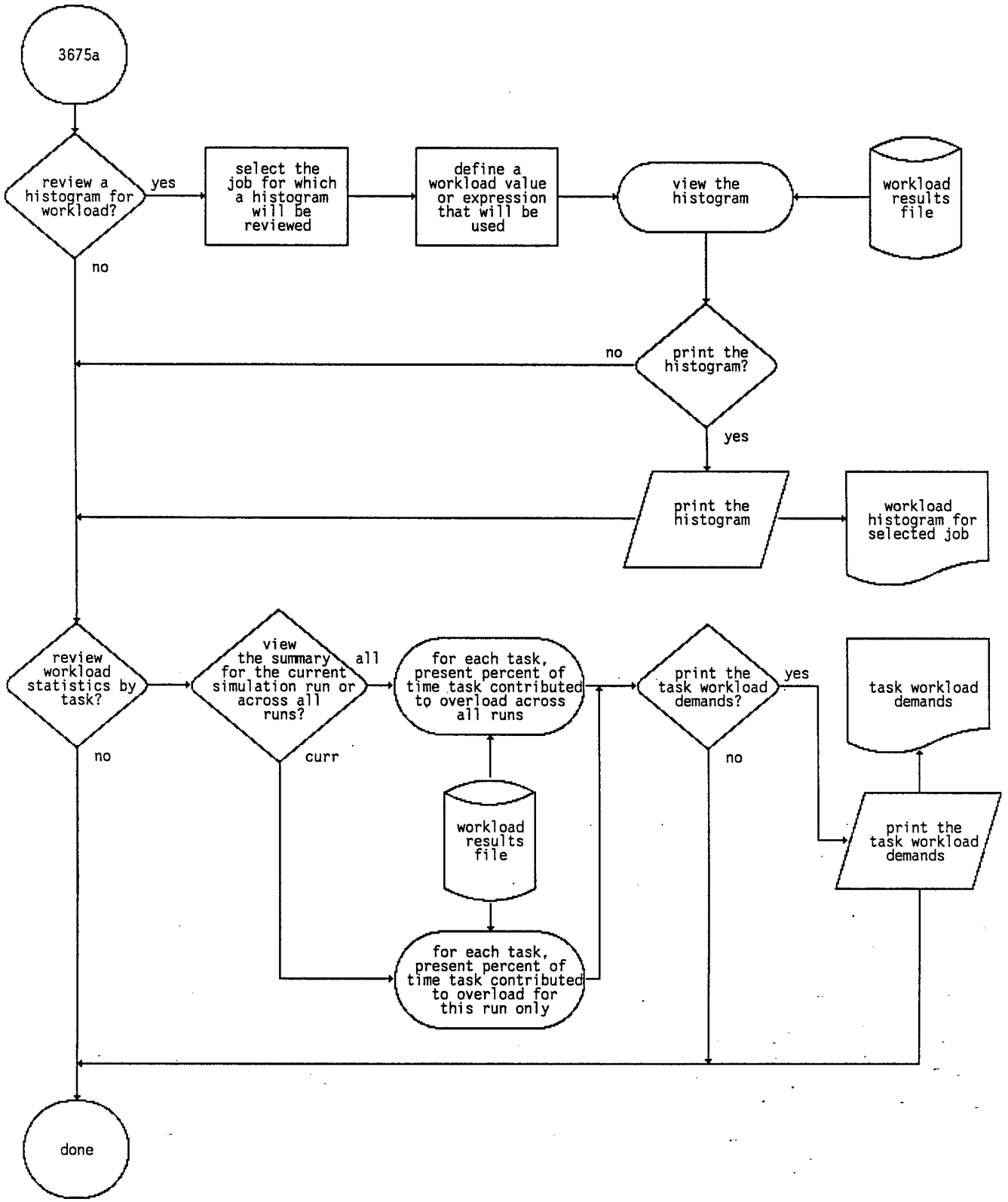


Figure 3.6.7-6 PRINT THE WORKLOAD ANALYSIS

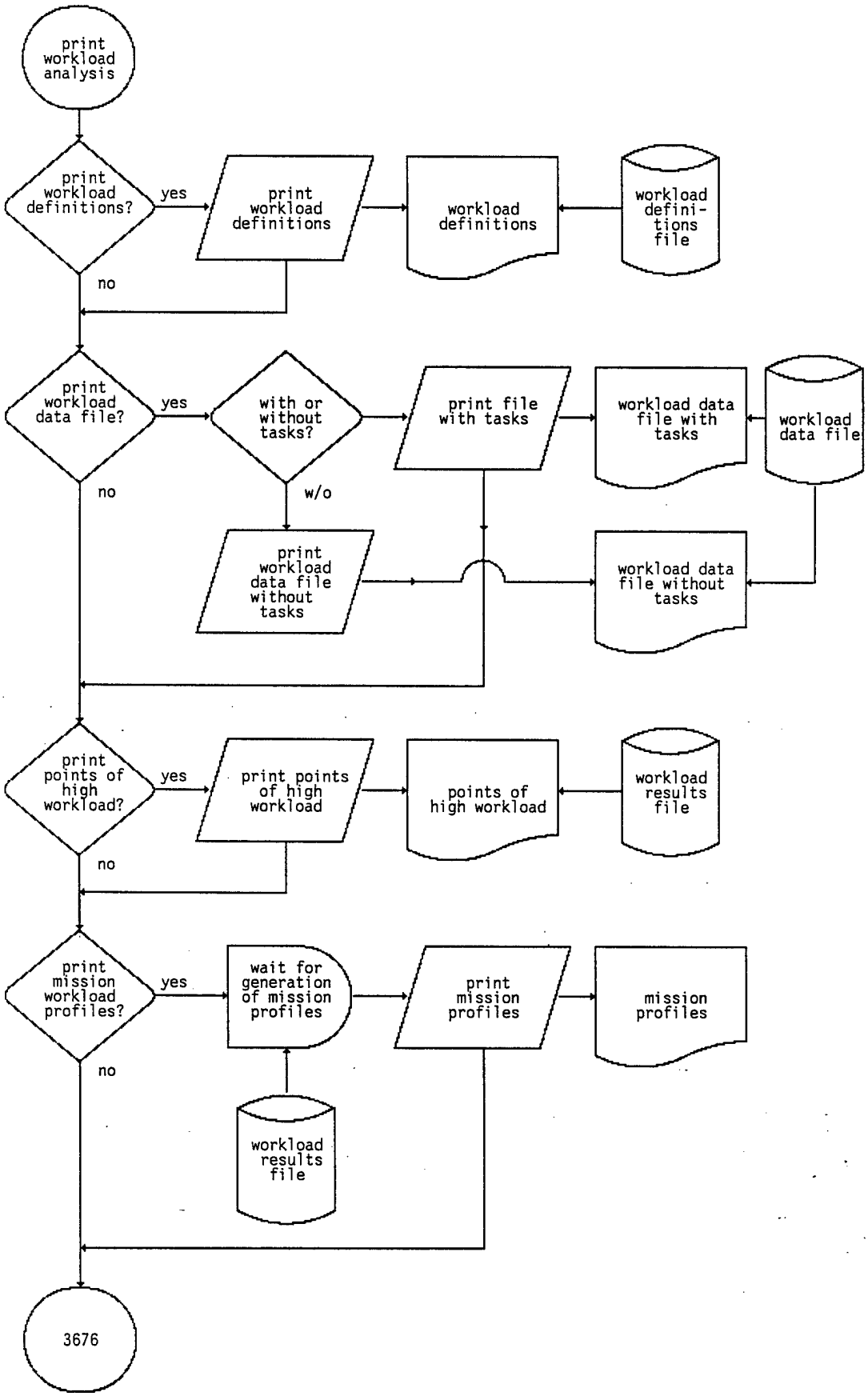
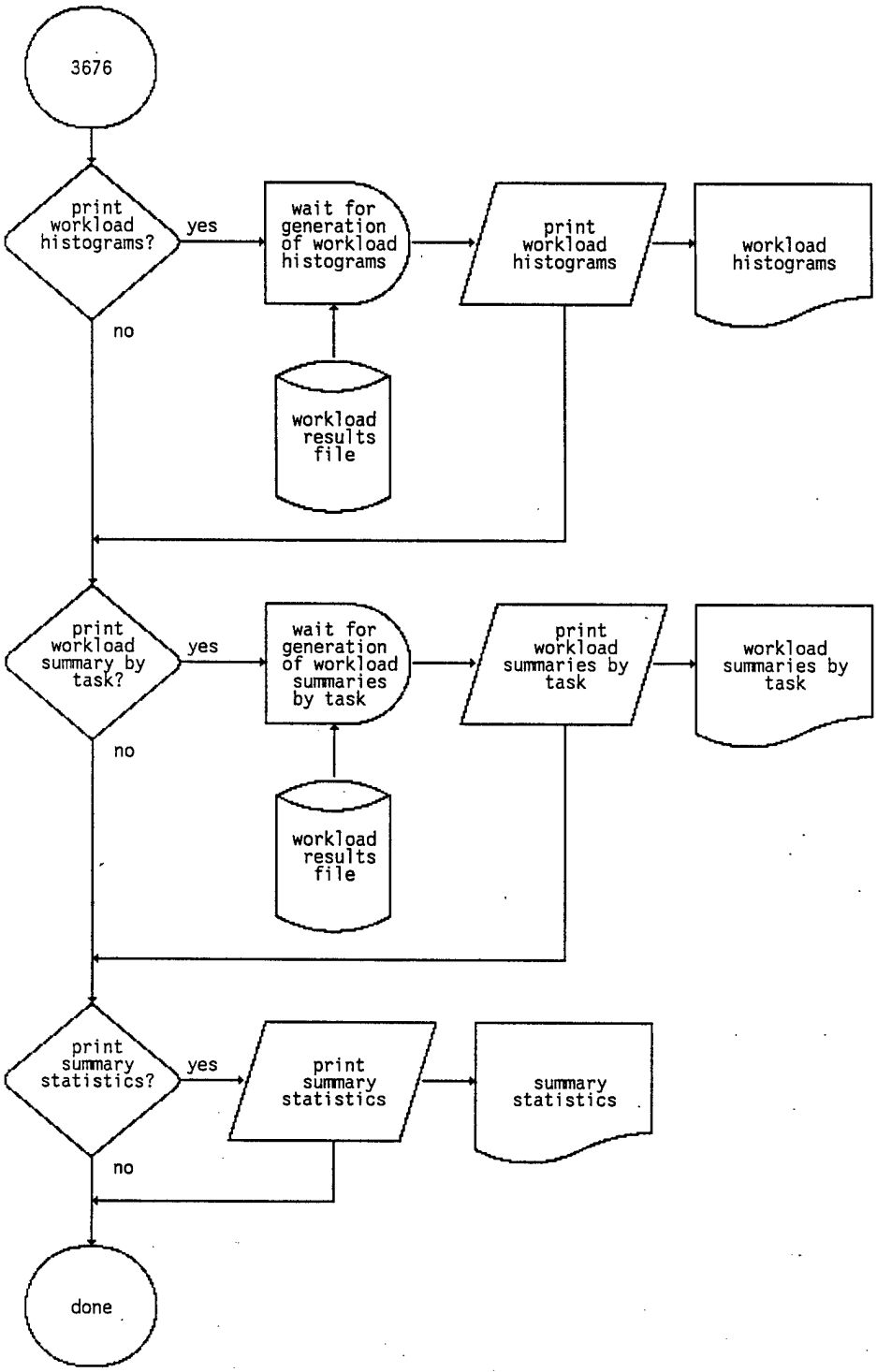


Figure 3.6.7-6 continued



1. Create workload definitions - Screens 2.7.3 through 2.7.22

2. View the raw workload data - Screens 2.7.23 through 2.7.25

3. Select a mode of analysis - Screen 2.7.26

4. Run the workload analysis - Screens 2.7.27 through 2.7.30

5. Review the results of the workload analysis - Screens 2.7.31 through 2.7.53

6. Print the results of the workload analysis - Screen 2.7.54

Screen 2.7.1 - Select the Workload Data File for Analysis

This screen allows the user to select the Workload Data File which is to be analyzed. The Workload Data Files are created from the simulation. Only those data files listed in the first popup menu are available (all Workload Data files on the current disk will be listed).

User Actions

Using normal editing keys and procedures

From the first popup

1. Select - The highlighted data file for analysis will be selected. Next screen is 2.7.2.

From the menubar

2. Define - Next screen is 2.7.3

3. View - Next screen is 2.7.23

4. Mode - Next screen is 2.7.26

5. Run - Next screen is 2.7.27

6. Review - Next screen is 2.7.31

7. Print - Next screen is 2.7.54

Other

8. <ESC> - Next screen is 2.0

PATH: MDA>WAA>ANALYZE MODE: WORK

Select Define View Mode Run Review Print
Select the workload data file and run number for analysis

EXISTING WORKLOAD DATA FILES
1. attack01 (25 runs)
2. feb09871 (10 runs)
3. test2 (1 run)

Screen 2.7.1 - Select the Workload Data File for Analysis

Screen 2.7.2 - Define the Run Number to be Analyzed.

Since any Workload Data File may include multiple simulation runs yet the workload analysis must focus on one run at a time, the user must select which run will be used in this analysis session.

User Actions

1. The user must input a number which is less than the number of runs (listed in parentheses behind the file name in the first level popup). If this number exceeds the number of runs, an error message will be displayed. The next screen is always 2.7.1.

PATH: MDA)WAA)ANALYZE MODE: WORK

Select Define View Mode Run Review Print
Select the workload data file and run number for analysis

EXISTING WORKLOAD DATA FILES
1. attack01 (25 runs)
2. feb09871 (10 runs)
3. test2 (1 run)

Select run number for analysis
(1 - 25):

Screen 2.7.2 - Define the Run Number to be Analyzed.

Screen 2.7.3 - Define Workload

The Workload Data File is raw workload data with no implicit definition or identification of points of excessive workload. This screen and the following 20 screens all deal with the development and storage of definitions of excessive workload. These definitions are then used in the analysis phase to pinpoint high workload situations which are indicative of points at which tasks may need to be reallocated amongst jobs.

User Actions

Using normal edit keys and procedures

From the first level popup

1. Define excessive workload - Next screen is 2.7.4

2. Define workload window sizes - Next screen is 2.7.11

3. Save definitions - Next screen is 2.7.21

4. Load existing definitions - Next screen is 2.7.22

Other

5. <ESC> - Next screen is 2.0

PATH: MDA)WAA)ANALYZE MODE: WORK

Select Define View Mode Run Review Print
Define excessive workload or workload window size

1. Define excessive workload
2. Define workload window sizes

3. Save definitions
4. Load existing definitions

Screen 2.7.3 - Define Workload

Screen 2.7.4 - Insert a Workload Definition

If the user is starting with a set of existing workload definitions (from a previously created file of workload definitions) the user will be presented with the list of existing definitions. Otherwise, the user will only have default definitions which are V > 7, A > 7, C > 7, and P > 7. Regardless, the user may add more definitions. During the analysis of workload, the violation of <u>any</u> definition will constitute a point of potentially high workload.

<u>User Actions</u>

Using normal editing keys and procedures

From the first level popup

1. The user may select the definition that he would like to insert the new definition <u>after</u>. Upon doing so, he will be presented with screen 2.7.5.

From the menubar

2. Modify - next screen is 2.7.6

3. Delete - next screen is 2.7.8

4. Select - Next screen is 2.7.9

Other

5. <ESC> - Next screen is 2.7.3

PATH: MDA) WAA) ANALYZE) DEFINE MODE: WORK

Insert Modify Delete Select
Insert a workload definition

CURRENT WORKLOAD DEFINITIONS		
	Workload Definition	Used?
1	V + A) 12	no
2	V) 8	yes
3	A) 8	yes
4	C) 8	yes
5	C + V) 10	no
6	See more definitions (9 total)	

Screen 2.7.4 - Insert a Workload Definition

Screen 2.7.5 - Enter a New Workload Definition

Using this screen, the user can enter the new definition of excessive workload. The user may enter any boolean expression using the variables V, A, C, or P. This definition will then be added to those definitions already included.

User Actions

Using normal edit keys and procedures

From the second level popup

1. The user may enter the expression of excessive workload. When the definition is complete, he/she must hit <ENTER> and then screen 2.7.4 will be displayed (with this definition added).

Other

2. <ESC> - Next screen is 2.7.4

PATH: MDA) WAA) ANALYZE) DEFINE MODE: WORK

Insert Modify Delete Select
Insert a workload definition

Enter a new workload definition:

	Workload Definition	Used?
1	V + A) 12	no
2	V) 8	yes
3	A) 8	yes
4	C) 8	yes
5	C + V) 10	no
6	See more definitions (9 total)	

Screen 2.7.5 - Enter a New Workload Definition

Screen 2.7.6 - Modify a Workload Definition

This is similar to the Insert a Workload Definition Screen except that a selected existing definition will be modified.

User Actions

Using normal edit keys and procedures

From the first level popup

1. The user may select the definition that he/she would like to modify. Upon doing so, the next screen is 2.7.7.

From the menubar

2. Insert - next screen is 2.7.4

3. Delete - next screen is 2.7.8

4. Select - Next screen is 2.7.8

Other

5. <ESC> - Next screen is 2.7.3

PATH: MDA) WAA) ANALYZE) DEFINE MODE: WORK

Insert Modify Delete Select
Modify a workload definition

CURRENT WORKLOAD DEFINITIONS		
	Workload Definition	Used?
1	V + A) 12	no
2	V + A + C + P) 16	yes
3	V) 8	yes
4	A) 8	yes
5	C) 8	yes
6	See more definitions (10 total)	

Screen 2.7.6 - Modify a Workload Definition

Screen 2.7.7 - Enter the Modified Workload Definition

Using this screen, the user will input the modified definition of excessive workload. The user may enter any boolean expression using the variables V, A, C, or P. This definition will then be added to those definitions already included.

User Actions

Using normal edit keys and procedures

From the second level popup

1. The user may enter the expression of excessive workload. When the definition is complete, he/she must hit <ENTER> and then screen 2.7.4 will be displayed (with this definition replacing the one highlighted on the first level popup).

Other

2. <ESC> - Next screen is 2.7.4

PATH: MDA) WAA) ANALYZE) DEFINE MODE: WORK

Insert Modify Delete Select
Modify a workload definition

Enter a new workload definition:

	Workload Definition	Used?
1	V + A) 12	no
2	V + A + C + P) 16	yes
3	V) 8	yes
4	A) 8	yes
5	C) 8	yes
6	See more definitions (10 total)	

Screen 2.7.7 Enter the Modified Workload Data

Screen 2.7.8 - Delete a Workload Definition

This screen will let the user delete a workload definition from the file.

User Actions

Using normal editing keys and procedures

1. The user can highlight a definition and then press <ENTER>. This highlighted definition will then disappear.

2. <Left arrow> - Next screen is 2.7.6

3. <Right arrow> - Next screen is 2.7.9

4. <ESC> - Next screen is 2.7.3

PATH: MDA) WAA) ANALYZE) DEFINE MODE: WORK

Insert Modify Delete Select
Delete a workload definition

CURRENT WORKLOAD DEFINITIONS		
	Workload Definition	Used?
1	V + A) 14	no
2	V + A + C + P) 16	yes
3	V) 8	yes
4	A) 8	yes
5	C) 8	yes
6	See more definitions (10 total)	

Screen 2.7.8 - Delete a Workload Definition

Screen 2.7.9 - Select/Deselect a Workload Definition

The user may maintain workload definitions in the Workload Definitions file but, for whatever reasons, may choose not to include all of the definitions in a particular analysis. This is facilitated by selecting or deselecting a definition via this screen. The far right column on the first level popup menu titled "Used?" indicates whether or not a definition will be used.

User Actions

Using normal editing keys and procedures

1. The user will highlight a definition and, upon hitting <ENTER>, the definition will be selected/deselected (i.e., a "Yes" becomes a "No" or vice versa).

2. <ESC> - Next screen is 2.7.3

3. <Right arrow> - Screen 2.7.4

4. <Left arrow> - Screen 2.7.8

PATH: MDA)WAA)ANALYZE)DEFINE MODE: WORK

Insert Modify Delete Select
Select/Deselect toggle for use in workload data analysis

CURRENT WORKLOAD DEFINITIONS		
	Workload Definition	Used?
1	V + A) 14	yes
2	V + A + C + P) 16	yes
3	V) 8	yes
4	C) 8	yes
5	C + V) 10	yes
6	See more definitions (9 total)	

Screen 2.7.9 - Select/Deselect a Workload Definition

Screen 2.7.11 - Insert a Workload Window

Central to the concept of workload is the concept of workload windows. These windows define the interval over which the human may spread out his workload. If the interval is long, then a spike of workload followed by a lull may not truly be high workload since the work could be spread out over a period of time. Alternately, when the workload window is narrow (meaning that tasks had to be performed when they were called for), then that same spike of workload might be excessive.

The WAA permits users to define different workload windows at different points throughout a mission. These windows can be time-based (e.g., start this window width at 200 seconds and go back to the default at 400 seconds) or task-based (when task xxxx begins, use this window until task yyyy ends). The next set of screens are aimed at providing users with the tools to set up workload windows.

This screen is for the development of a new window.

User Actions

Using normal edit keys and procedures

1. Insert - Next screen is 2.7.12

2. Modify - Next screen is 2.7.17

3. Delete - Next screen is 2.7.19

4. Default - Next screen is 2.7.20

5. <ESC> - Next screen is 2.7.3

PATH: MDA)WAA)ANALYZE)DEFINE MODE:WORK

Insert Modify Delete Default
Insert a new workload window block

WORKLOAD WINDOW BLOCK DEFINITIONS				
	Window Name	Width	Type	First Task or Starting Time

Screen 2.7.11 - Insert a Workload Window

Screen 2.7.12 - Name Window in a Workload Block

Each workload window has a name given to it by the user for reference purposes.

User Actions

1. Enter the name and type <ENTER>. Next screen is 2.7.13.

2. <ESC> - Next screen is 2.7.11

PATH: MDA)WAA)ANALYZE)DEFINE MODE:WORK

Insert Modify Delete Default
Insert a new workload window block

WORKLOAD WINDOW BLOCK DEFINITIONS				
	Window Name	Width	Type	First Task or Starting Time

INSERTING A WORKLOAD WINDOW BLOCK

Window name:
Window width:
Window type: task time

Task(s) which trigger opening this window (type CTRL-T for task catalog)

Task(s) which trigger closing this window

Screen 2.7.12 - Name Window in a Workload Block

Screen 2.7.13 - Define the Workload Window Width

The key parameter for workload windows is window width (in seconds). This screen permits users to enter workload window width.

User Actions

1. Enter a number and type <ENTER>. Next screen is 2.7.14.

2. <ESC> - Next screen is 2.7.13

PATH: MDA)WAA)ANALYZE)DEFINE MODE:WORK

Insert Modify Delete Default
Insert a new workload window block

WORKLOAD WINDOW BLOCK DEFINITIONS				
	Window Name	Width	Type	First Task or Starting Time

INSERTING A WORKLOAD WINDOW BLOCK

Window name: Return from mission
Window width:
Window type: task time

Task(s) which trigger opening this window (type CTRL-T for task catalog)

Task(s) which trigger closing this window

Screen 2.7.13 - Define the Workload Window Width

Screen 2.7.14 - Define the Workload Window Type

Workload windows may be task based (opened and closed by the beginning and completion of tasks, respectively) or time based (opened and closed by clock times).

User Actions

1. <Right arrow> and <Enter> - Window will be designated a time based window. Next screen is 2.7.15.

2. <ENTER> - Window will be designated a task based window. Next screen is 2.7.15.

3. <ESC> - Next window is 2.7.11

PATH: MDA)WAA)ANALYZE)DEFINE MODE:WORK

Insert Modify Delete Default
Insert a new workload window block

WORKLOAD WINDOW BLOCK DEFINITIONS				
	Window Name	Width	Type	First Task or Starting Time

INSERTING A WORKLOAD WINDOW BLOCK

Window name: Return from mission
Window width: 15 seconds
Window type: task time

Task(s) which trigger opening this window (type CTRL-T for task catalog)

Task(s) which trigger closing this window

Screen 2.7.14 - Define the Workload Window Type

Screen 2.7.15 - Define the Task or Time that this Window Opens

This screen permits the user to define the task that opens the window (for task-based windows) or the time that the window opens (for time-based windows).

User Actions

1. Enter the name of the task and <ENTER> - The Task Data File will be searched to ensure that a task of that name exists. If so, the next screen is 2.7.16. If the task does not exist then an error message will be displayed (no screen for the error).

2. <CTRL-T> - A second window will open where all of the task names (from the Task Data File) are listed (or can be paged through). No screens illustrating this are included.

3. <ESC> - Next screen is 2.7.11.

Note: If the window is time-based, the prompt will read "Time which triggers the opening of this window" and the expected user response will be a simulation clock time.

PATH: MDA)WAA)ANALYZE)DEFINE MODE:WORK

Insert Modify Delete Default
Insert a new workload window block

WORKLOAD WINDOW BLOCK DEFINITIONS				
	Window Name	Width	Type	First Task or Starting Time

INSERTING A WORKLOAD WINDOW BLOCK
Window name: Return from mission Window width: 15 seconds Window type: task time Task(s) which trigger opening this window (type CTRL-T for task catalog)   Task(s) which trigger closing this window

Screen 2.7.15 - Define the Task or Time that this Window Opens

Screen 2.7.16 - Define the Task or Time that this Window Closes

This screen permits the user to define the task that closes the window (for task-based windows) or the time that the window closes (for time-based windows).

User Actions

1. Enter the name of the task and <ENTER> - The Task Data File will be searched to ensure that a task of that name exists. If so, the next screen is 2.7.11. If the task does not exist then an error message will be displayed (no screen for the error).

2. <CTRL-T> - A second window will open where all of the task names (from the Task Data File) are listed (or, more accurately, can be paged through). No screens illustrating this have been developed.

3. <ESC> - Next screen is 2.7.11.

Note: If the window is time-based, the prompt will read "Time which triggers the closing of this window" and the expected user response will be a simulation clock time which is greater than the window opening time.

PATH: MDA)WAA)ANALYZE)DEFINE MODE:WORK

Insert Modify Delete Default
Insert a new workload window block

WORKLOAD WINDOW BLOCK DEFINITIONS				
	Window Name	Width	Type	First Task or Starting Time

INSERTING A WORKLOAD WINDOW BLOCK

Window name: Return from mission
Window width: 15 seconds
Window type: task time

Task(s) which trigger opening this window (type CTRL-T for task catalog)
Turn to depart engagement area (in function "return to base")

Task(s) which trigger closing this window

Screen 2.7.16 - Define the Task or Time that this Window Closes

Screen 2.7.17 - Modify an Existing Workload Window

This screen is to allow a user to begin the process of modifying an existing workload window.

User Actions

Using normal edit keys and procedures

1. Insert - Next screen is 2.7.11
2. Modify - Next screen is 2.7.18
3. Delete - Next screen is 2.7.19
4. Default - Next screen is 2.7.20
5. <ESC> - Next screen is 2.7.3

PATH: MDA) WAA) ANALYZE) DEFINE MODE:WORK

Insert Modify Delete Default
Modify a workload window block

WORKLOAD WINDOW BLOCK DEFINITIONS				
	Window Name	Width	Type	First Task or Starting Time
1	Return from mission	15 seconds	task	Turn to depart ...

Screen 2.7.17 - Modify an Existing Workload Window

Screen 2.7.18 - Modify Information about a Workload Window

This screen allows the user to change any or all of the fields associated with a workload window.

User Actions

1. Using normal editing keys and procedures, the user can move the cursor with the <Up arrow> and <Down arrow> keys to any of the five fields and change the information as desired. All commands are similar to those presented in screens 2.7.13 through 2.7.16 except that up and down arrow keys must be used to move between fields rather than simply hitting <ENTER> to move on to the next field.

   When the user is done modifying fields, he/she must hit <ESC> to return to screen 2.7.17.

PATH: MDA)WAA)ANALYZE)DEFINE MODE:WORK

Insert Modify Delete Default
Modify a workload window block

WORKLOAD WINDOW BLOCK DEFINITIONS				
	Window Name	Width	Type	First Task or Starting Time

MODIFYING A WORKLOAD WINDOW BLOCK

Window name: Return from mission
Window width: 15 seconds
Window type: task time

Task(s) which trigger opening this window (type CTRL-T for task catalog)
Turn to depart engagement area

Task(s) which trigger closing this window
Return to base

Screen 2.7.18 - Modify Information about a Workload Window

Screen 2.7.19 - Delete a Workload Window Block

This screen allows the user to eliminate a workload window block from the analysis and Workload Definitions File.

User Actions

Using normal edit keys and procedures

From the first level popup

1. The user can move the cursor to any of the definitions on the first popup menu and hit <ENTER> to delete the definition.

From the menubar

2. Insert - Next screen is 2.7.11

3. Modify - Next screen is 2.7.18

4. Default - Next screen is 2.7.20

Other

5. <ESC> - Next screen is 2.7.3

PATH: MDA)WAA)ANALYZE)DEFINE MODE:WORK

Insert Modify Delete Default
Delete a workload window block

WORKLOAD WINDOW BLOCK DEFINITIONS				
	Window Name	Width	Type	First Task or Starting Time
1	Return from mission	10 seconds	task	Turn to depart ...

Screen 2.7.19 - Delete a Workload Window Block

Screen 2.7.20 - Modify the Default Workload Window Width

When a predefined workload window is not in effect, the default workload window width will be used. This screen lets the user change the width of this window.

User Actions

Using normal edit keys and procedures

From the first popup

1. The user can enter a new window width followed by an <ENTER>. After doing so, the numbers on the screen will be modified appropriately.

From the menubar

2. Insert - Next screen is 2.7.11

3. Modify - Next screen is 2.7.18

4. Delete - Next screen is 2.7.19

Other

5. <ESC> - Next screen is 2.7.3

PATH: MDA) WAA) ANALYZE) DEFINE MODE:WORK

Insert Modify Delete Default
Change the default workload window width

```
Current default workload window width = 2 seconds

New default window width =
```

Screen 2.7.20 - Modify the Default Workload Window Width

Screen 2.7.21 - Save Workload and Workload Window Definitions

The user will need to save the new or revised set of workload windows and definitions once all changes and additions have been completed.

User Actions

Using normal edit keys and procedures

From the second level popup

1. Select - The user can select the Workload Definitions File that will be replaced with the definitions created in this session. Next screen is 2.7.3.

2. Insert - The user will be prompted to enter a new file name on which to store these workload definitions. Next screen is 2.7.3.

Other

3. <ESC> - Next screen is 2.7.3.

PATH: MDA)WAA)ANALYZE MODE: WORK

Select Define View Mode Run Review Print
Define excessive workload or workload window size

1. Define excessive workload
2. Define workload window sizes

3. Save definitions
4. Load existing definitions

EXISTING WORKLOAD DEFINITIONS

1. rons
2. gails
3. ricks
4. cumulative

select insert

Screen 2.7.21 - Save Workload and Workload Window Definitions

Screen 2.7.22 - Load Existing Definitions

The user may choose to use a set of predefined workload definitions and windows from prior analyses, etc. Furthermore, the user may want to use these as a starting point.

User Actions

Using normal edit keys and procedures

1. From the second level popup, the user can select the file from which workload definitions will be loaded. These definitions will be appended to the list of current definitions. This will allow the combination of sets of workload definitions. Next screen is 2.7.3.

Other

2. <ESC> - Next screen is 2.7.3

PATH: MDA)WAA)ANALYZE MODE: WORK

Select Define View Mode Run Review Print
Define excessive workload or workload window size

1. Define excessive workload
2. Define workload window sizes

3. Save definitions
4. Load existing definitions

EXISTING WORKLOAD DEFINITIONS

1. rons
2. gails
3. ricks
4. cumulative

Screen 2.7.22 - Load Existing Definitions

Screen 2.7.23 - View the Workload Data File

Selecting this option from the Analyze menubar will permit the user to view a reformatted version of the raw workload data. In addition to simply viewing workload demands over time for each job, the user will be able to review which task the user was performing at each moment in the simulation.

User Actions

Using normal edit keys and procedures

From the first level popup

1. Upon hitting <ENTER> from this screen, the data will be presented as illustrated in screen 2.7.24.

From the menubar

2. Select - Next screen is 2.7.1

3. Define - Next screen is 2.7.3

4. Mode - Next screen is 2.7.26

5. Run - Next screen is 2.7.27

6. Review - Next screen is 2.7.31

7. Print - Next screen is 2.7.54

Other

8. <ESC> - Next screen is 2.0

PATH: MDA>WAA>ANALYZE MODE: WORK

Select Define View Mode Run Review Print
View the workload data file for the run selected

Screen 2.7.23 - View the Workload Data File

Screen 2.7.24 - Viewing of the Raw Workload Data

When the user indicates that he/she wishes to view the workload data, they will be presented with a screen such as this. The user will be able to page through the data and, at any time, get a more detailed description of ongoing tasks.

User Actions

1. <Pg Up> or <Pg Dn> - The user can page through the data using these keys.

2. Up/Down arrow Movements - This will highlight lines of the popup menu. See item User Action #3 below.

3. <CTRL-T> - When the user would like more information on the tasks that any operator is performing at a given time, he/she must highlight the appropriate line of the first level popup and the type <CTRL-T>. When this occurs, the next screen is 2.7.25.

4. <ESC> - Next screen is 2.7.23

PATH: MDA)WAA)ANALYZE MODE: WORK

Select Define View Mode Run Review Print
View the workload data file for the run selected

File name: attack01 (run 1) Data collected every 2 seconds Page 1 of 20
Number of operators - 2 Operator job titles - pilot copilot
Position cursor and hit Ctrl-t to examine ongoing tasks

Operator	time	visual	auditory	cognitive	motor	# ongoing tasks
pilot	0	8	2	3	2	1
copilot	0	5	3	3	1	1
pilot	2	3	1	7	5	1
copilot	2	9	5	8	3	2
pilot	4	11	6	5	2	2
copilot	4	7	2	3	3	2
pilot	6	7	4	9	1	2
copilot	6	9	1	11	2	3
pilot	8	1	3	3	6	1
copilot	8	3	2	8	7	2
pilot	10	4	3	0	4	1
copilot	10	7	2	2	7	2

Screen 2.7.24 - Viewing of the Raw Workload Data

Screen 2.7.25 - More Detailed Review of Raw Workload Data

When the user would like to take a slightly more detailed view of the situation of any position at any time, he/she will be presented with this screen. This screen will present information on all tasks and associated workload requirements for each task that the operator is performing at that instant in time.

User Actions

1. <ESC> or <ENTER> - Next screen is 2.7.24.

PATH: MDA>WAA>ANALYZE MODE: WORK

Select Define View Mode Run Review Print
View the workload data file for the run selected

File name: attack01 (
Number of operators -
Position cur

Operator	time	v
pilot	12	
copilot	12	
pilot	14	
copilot	14	
pilot	16	
copilot	16	
pilot	18	
copilot	18	
pilot	20	
copilot	20	
pilot	22	
copilot	22	

Operator name - pilot Simulation time - 12 secs

Ongoing tasks	V	A	C	P
1 Tune radio	0	1	4	4
2 Begin popup	2	0	2	5
TOTAL ATTENTIONAL DEMANDS	2	1	6	9

Screen 2.7.25 - More Detailed Review of Raw Workload Data

Screen 2.7.26 - Set Mode for Analysis of Workload Data

As the workload analysis proceeds, the analyst may wish to review all points of excessive workload to determine if they are, indeed, excessive. The prediction of high workload is an inexact science, so the WAA permits the user to review each individual point of high workload (according to the definitions created by the user). Then, based on his/her review of the situation, he/she may or may not designate it as a point of high workload. This mode of analysis is called the "Active" mode.

However, the user may simply want to have all points of high workload according to the definitions simply marked. This mode of analysis is called the "passive" mode.

This screen is for establishing the mode of review during the workload analysis.

User Actions

Using normal edit keys and procedures

From the first level popup

1. Using normal edit keys and procedures, the user can highlight either "PASSIVE" or "ACTIVE" and hit <ENTER>. Upon doing this, the mode description at the bottom will be changed accordingly.

From the menubar

2. Select - Next screen is 2.7.1

3. Define - Next screen is 2.7.3

4. View - Next screen is 2.7.23

5. Run - Next screen is 2.7.27

6. Review - Next screen is 2.7.31

7. Print - Next screen is 2.7.54

Other
<ESC> - Next screen is 2.0

PATH: MDA)WAA)ANALYZE MODE: WORK

Select Define View Mode Run Review Print
Select mode of review during analysis to active or passive

SELECT MODE OF REVIEW

PASSIVE (all identified points of overload will be automatically saved)

ACTIVE (each point of potential overload will be presented for review and judgment)

Current mode: PASSIVE (all identified points of overload will be automatically saved)

Screen 2.7.26 - Set Mode for Analysis of Workload Data

Screen 2.7.27 - Start the Workload Data Analysis

This screen provides the user with information about the setup for the workload data analysis. From this screen, the workload data analysis is initiated by the user after he/she verifies that it is the analysis intended.

User Actions

Using normal edit keys and procedures

From the first level popup

1. <ENTER> - The workload data analysis will begin. Next screen is 2.7.28.

From the menubar

2. Select - Next screen is 2.7.1

3. Define - Next screen is 2.7.3

4. View - Next screen is 2.7.23

5. Mode - Next screen is 2.7.26

6. Review - Next screen is 2.7.31

7. Print - Next screen is 2.7.54

Other

<ESC> - Next screen is 2.0

PATH: MDA>WAA>ANALYZE MODE: WORK

Select Define View Mode Run Review Print
Run the workload analysis on the selected data file

Current file name for analysis - attack01 (run 1)
generated from scenario named attack

Number of simulation runs is 25

Workload data was collected every 2 seconds

The workload definitions being used are named rons

The current analysis mode is ACTIVE

Screen 2.7.27 - Start the Workload Data Analysis

Screen 2.7.28 - Workload Data Analysis Status Screen

To keep the user informed of the status of the analysis, this screen is presented to him/her.

If the analysis mode is PASSIVE, then this type of screen is all he will see until the analysis is complete when screen number 2.7.30 is presented to him/her.

If the analysis mode is ACTIVE, then the user will be presented with screens such as those presented in screen 2.7.29 so that he may designate points of potentially excessive workload as high workload or acceptable workload.

User Actions

1. <ESC> will stop the data analysis. Next screen is 2.7.27.

PATH: MDA>WAA>ANALYZE MODE: WAIT

Select Define View Mode Run Review Print
Run the workload analysis on the selected data file

```
STATUS
Analyzing data from run number 1
Simulation time = 2
```

Screen 2.7.28 - Workload Data Analysis Status Screen

Screen 2.7.29 - Point of Potential Operator Overload

If the analysis mode is ACTIVE, the user will be presented with this screen every time a point in the Workload Data File is found at which one or more of the workload definitions are exceeded. The user must then designate this point as either high workload or acceptable workload. If it is designated as high workload, information on this point will be stored on the Workload Results File.

User Actions

1. <ENTER> or "H" - This action will designate this as a point of high workload. Data will be stored on the Workload Results File accordingly. The next screen will be number 2.7.28.

2. <Right arrow> then <ENTER> or "A" - This action will designate this as a point of acceptable workload and it will not be stored on the Workload Results File.

PATH: MDA)WAA)ANALYZE MODE: WORK

Select Define View Mode Run Review Print
Run the workload analysis on the selected data file

STATUS
Analyzing data from run number 1
Simulation time = 22

POINT OF POTENTIAL OPERATOR OVERLOAD
Operator name - pilot 3 ongoing tasks

Ongoing tasks	V	A	C	P
Manipulate cyclic	1	0	3	6
Monitor radio	1	3	2	0
Look for threats	6	1	2	1
TOTAL	8	4	7	7

Violates the following definitions:
V + A + C + P) 16
C + V) 10
C + P) 12

Designation
High Workload
Acceptable Workload

Screen 2.7.29 - Point of Potential Operator Overload

Screen 2.7.30 - Analysis Complete

This screen tells the user that the data analysis is complete and that all points of high workload have been addressed.

User Actions

Using normal edit keys and procedures

From the menubar

1. Select - Next screen is 2.7.1

2. Define - Next screen is 2.7.3

3. View - Next screen is 2.7.23

4. Mode - Next screen is 2.7.26

5. Review - Next screen is 2.7.31

6. Print - Next screen is 2.7.54

Other

7. <ESC> - Next screen is 2.7.27

PATH: MDA)WAA)ANALYZE MODE: WORK

Select Define View Mode Run Review Print
Run the workload analysis on the selected data file

```
STATUS

        ANALYSIS COMPLETE
```

Screen 2.7.30 - Analysis Complete

Screen 2.7.31 - Review the Workload Data Analysis

This screen permits the user to start the review of the results of the workload data analysis.

If the workload analysis for that Workload Data File has never been conducted and, hence, no Workload Results File exists with the appropriate name, an error message will be displayed.

User Actions

Using normal edit keys and procedures

From the first level popup

1. <ENTER> - Next screen is 2.7.32 which will delineate the options for analysis

From the menubar

2. Select - Next screen is 2.7.1

3. Define - Next screen is 2.7.3

4. View - Next screen is 2.7.23

5. Mode - Next screen is 2.7.26

6. Run - Next screen is 2.7.27

7. Print - Next screen is 2.7.54

Other

<ESC> - Next screen is 2.0

PATH: MDA)WAA)ANALYZE MODE: WORK

Select Define View Mode Run Review Print
Review the results of an analysis

The output that you would be reviewing would be from the file attack01 (run 1) generated using the scenario attack

Screen 2.7.31 - Review the Workload Data Analysis

Screen 2.7.32 - Review Workload Data Menubar

This screen lets the user define whether he/she would like 1) a simple summary of the workload analysis or 2) a detailed review of the data.

User Actions

Using normal editing keys and procedures

1. Summaries - Next screen is 2.7.33.

2. Details - Next screen is 2.7.34

3. <ESC> - Next screen is 2.7.31

PATH: MDA)WAA)ANALYZE)REVIEW MODE: WORK

Summaries Details
Review summary workload statistics for each job

Screen 2.7.32 - Review Workload Data Menubar

Screen 2.7.33 - Workload Analysis Summary Report

This screen presents a summary of the workload analysis for each position. The information includes percent of time that each operator was in an overload situation (by definition if a passive analysis was performed and by declaration if an active analysis was performed) and the number of functions for which total time required exceeded total time permissable (from Product 1 or another system performance requirements definition).

User Actions

1. <ESC> - Next screen is 2.7.32

PATH: MDA) WAA) ANALYZE) REVIEW MODE: WORK

Summaries Details
Review summary workload statistics for each job

SUMMARY ANALYSIS OF WORKLOAD File - attack01 Scenario - attack		
Job Title	Percent of Time in Overload	Number of Functions Where Performance Time Exceeds Limit
Pilot	11	2 out of 40
Copilot	3	0 out of 35

Screen 2.7.33 - Workload Analysis Summary Report

Screen 2.7.34 - Options for Detailed Review of Workload Analysis

This screen presents the user with the options for a detailed review of the workload analysis.

User Actions

Using normal edit keys and procedures

1. Review each point of overload - Next screen is 2.7.35

2. Review mission profile for workload measure - Next screen is 2.7.39

3. Review histogram for a workload measure - Next screen is 2.7.44

4. Present workload statistics by task - Next screen is 2.7.48

5. <ESC) - Next screen is 2.7.32

PATH: MDA⟩WAA⟩ANALYZE⟩REVIEW MODE: WORK

Summaries Details
Review detailed workload statistics for each job

File - attack01 Scenario - attack
1. Review each point of overload 2. Review mission profile for workload measures 3. Review histogram for a workload measure 4. Present workload statistics by task

Screen 2.7.34 - Options for Detailed Review of Workload Analysis

Screen 2.7.35 - Select the Jobs for which Mission Profiles will be Developed

The user will define the job for which he/she will be reviewing points of overload through this screen.

User Actions

Using normal editing keys and procedures

1. From the second level popup, select a job title and press <ENTER>. Next screen is 2.7.36.

2. <ESC> - Next screen is 2.7.34

PATH: MDA)WAA)ANALYZE)REVIEW MODE: WORK

Summaries Details
Review detailed workload statistics for each job

File - attack01 Scenario - attack
1. Review each point of overload 2. Review mission profile for workload measures 3. Review histogram for a workload measure 4. Present workload statistics by task

JOBS
1. Pilot 2. Copilot 3. Crew chief 4.

Screen 2.7.35 - Select the Jobs for which Mission Profiles will be Developed

Screen 2.7.36 - Begin the Review of Each Point of Overload

This screen initiates the review of each point of overload for the selected job.

User Action

1. <ENTER> - Begins the review. Next screen is 2.7.37.

2. <ESC> - Next screen is 2.7.35

PATH: MDA)WAA)ANALYZE)REVIEW)DETAILS MODE: WORK

Look

Look at each point of overload for the job without reassigning tasks

Screen 2.7.36 - Begin the Review of Each Point of Overload

Screen 2.7.37 - Review Each Point of Overload

This screen presents basic information to the user about the ongoing tasks for the job being reviewed at each point of overload. From this screen, the user may elect to proceed with the review for this job or to review the status of other jobs at this point in the simulation.

User Actions

1. <ENTER> or "G" - The next point of overload will be found and a screen such as this will be presented. If there are no more points of overload, the next screen is 2.7.34.

2. <Right arrow> and <ENTER> or "R" - Next screen is 2.7.38.

3. <ESC> - Next screen is 2.7.36.

PATH: MDA) WAA) ANALYZE) REVIEW) DETAILS MODE: WORK

Look

Look at each point of overload for the job without reassigning tasks

POINT OF OVERLOAD

Operator name - pilot ongoing tasks - 3 time - 22 secs

Ongoing tasks	V	A	C	P
Manipulate cyclic	1	0	3	6
Monitor radio	1	3	2	0
Look for threats	6	1	2	1
TOTAL	8	4	7	7

Violates the following definitions:
V + A + C + P) 16
C + V) 10
C + P) 12

Go to next point of overload

Review the situation of other jobs

Screen 2.7.37 - Review Each Point of Overload

Screen 2.7.38 - Review the Current Status of Other Jobs

This screen provides a second popup describing the status of other jobs at a point of overload for the job being reviewed.

User Actions

1. <ENTER> or <ESC> - Next screen is 2.7.37

PATH: MDA⟩WAA⟩ANALYZE⟩REVIEW⟩DETAILS MODE: WORK

Look

Look at each point of overload for the job without reassigning tasks

POINT OF OVERLOAD Operator name - pilot ongoing tasks - 2 time - 96 secs					
Ongoing tasks	V	A	C	P	
Fly NOE	7	2	4	6	
Monitor radio	1	3	2	0	

TO

Vi

CURRENT STATUS OF OTHER JOBS AT THIS TIME IN THE SIMULATION					
Job title	V	A	C	P	Ongoing PILOT tasks that can be reassigned to this job
Copilot	4	2	1	2	Fly NOE, Monitor Radio
Crew chief	3	3	1	1	Monitor Radio
Loader	3	3	1	1	NONE

Screen 2.7.38 - Review the Current Status of Other Jobs

Screen 2.7.39 - Select Jobs to Display on the Mission Workload Profile

From this screen the user selects the jobs for which he/she will review the mission workload profiles.

User Actions

1. Using normal editing keys, the user can use the arrow keys to highlight a job title. When the title is highlighted, pressing the <ENTER> key will change whether or not the value will be displayed (i.e., yes to no or vice versa).

2. Value - Next screen is 2.7.40

3. View - Next screen is 2.7.41

4. Print - Next screen is 2.7.43

5. <ESC> - Next screen is 2.7.34

PATH: MDA)WAA)ANALYZE)REVIEW)PROFILE MODE: WORK

Select Value View Print

Select the job(s) you want to display

JOBS TO DISPLAY			
Job title	display?	Color	Value to be displayed
1. Pilot	no	red	
2. Copilot	no	blue	
3. Crew chief	no	green	
4. Loader	no	yellow	

Screen 2.7.39 - Select Jobs to Display on the Mission Workload Profile

Screen 2.7.40 - Select the Value to Display for Each Job to be Displayed

Any value representing workload can be displayed for any job. The user must enter a value which can be any mathematical combination of the four workload variables (V, A, C, and P).

User Actions

1. Using normal editing keys, the user can use the arrow keys to highlight any job title. When the title is highlighted, the user can press <ENTER> at which point he will receive a cursor at the beginning of the column entitled "Value to be displayed." At this point, the user can enter any mathematical expression (including logical operators) which will then be used to compute the value to be displayed on the workload mission profile. Next screen is this screen modified appropriately.

2. Select - Next screen is 2.7.39

3. View - Next screen is 2.7.41

4. Print - Next screen is 2.7.43

5. <ESC> - Next screen is 2.7.34

PATH: MDA)WAA)ANALYZE)REVIEW)PROFILE MODE: WORK

Select Value View Print

Select the values you want to display

JOBS TO DISPLAY			
Job title	display?	Color	Value to be displayed
1. Pilot	yes	red	V + A + C + P
2. Copilot	yes	blue	
3. Crew chief	no	green	
4. Loader	no	yellow	

Screen 2.7.40 - Select the Value to Display for Each Job to be Displayed

Screen 2.7.41 - Option to View the Workload Profile

This screen preceded the viewing of the workload profile.

User Actions

Using normal edit keys and procedures

1. <ENTER> - next screen is 2.7.42.

2. Select - Next screen is 2.7.39

3. Value - Next screen is 2.7.40

4. Print - Next screen is 2.7.43

5. <ESC> - Next screen is 2.7.34

PATH: MDA)WAA)ANALYZE)REVIEW)PROFILE MODE: WORK

Select Value View Print

View the graph of the workload profile for selected jobs and values

JOBS TO DISPLAY			
Job title	display?	Color	Value to be displayed
1. Pilot	yes	red	V + A + C + P
2. Copilot	yes	blue	C
3. Crew chief	no	green	
4. Loader	no	yellow	

Screen 2.7.41 - Option to View the Workload Profile

Screen 2.7.42 - View the Workload Profile for Selected Jobs

This screen presents the mission workload profile of the defined values for the selected jobs.

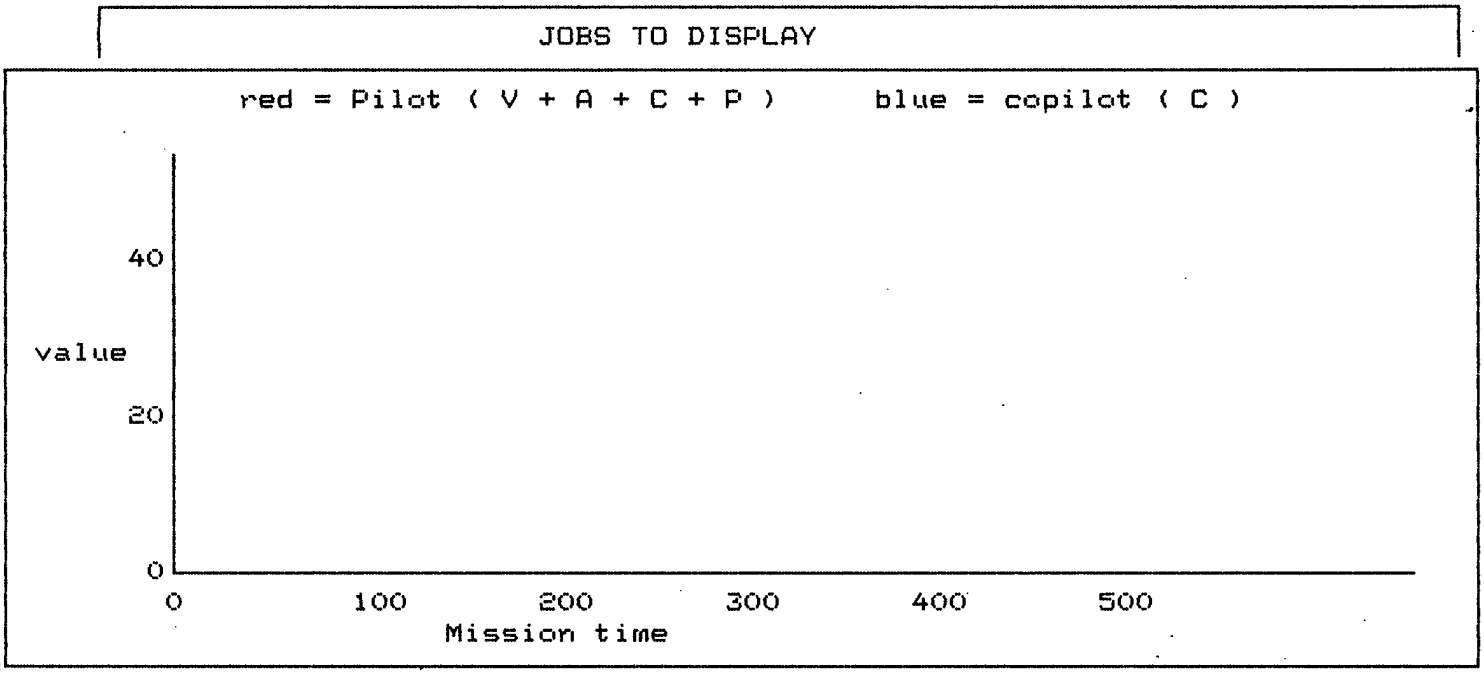
User Actions

1. <ESC> or <ENTER> - Next screen is 2.7.41

PATH: MDA>WAA>ANALYZE>REVIEW>PROFILE MODE: WORK

Select Value View Print

View the graph of the workload profile for selected jobs and values



Screen 2.7.42 - View the Workload Profile for Selected Jobs

Screen 2.7.43 - Print the Mission Workload Profile

The user may print the mission workload profile from this screen.

User Actions

1. <ENTER> - The workload mission profile will be printed. The next screen is this screen.

2. Select - Next screen is 2.7.39

3. Value - Next screen is 2.7.40

4. View - Next screen is 2.7.41

5. <ESC> - Next screen is 2.7.34

PATH: MDA)WAA)ANALYZE)REVIEW)PROFILE MODE: WORK

Select Value View Print

Print the graph of the workload profile for the jobs and vales below

JOBS TO DISPLAY			
Job title	display?	Color	Value to be displayed
1. Pilot	yes	red	V + A + C + P
2. Copilot	yes	blue	C
3. Crew chief	no	green	
4. Loader	no	yellow	

Screen 2.7.43 - Print the Mission Workload Profile

Screen 2.7.44 - Select Jobs for Histogram of Workload

The user can review a histogram of only one job at a time. On this screen he/she selects the job.

User Actions

1. Using normal edit keys and procedures, the user can highlight a job title and press <ENTER>. The next screen is 2.7.55.

2. <ESC> - The next screen is 2.7.34

PATH: MDA)WAA)ANALYZE)REVIEW MODE: WORK

Summaries Details
Review detailed workload statistics for each job

File - attack01 Scenario - attack
1. Review each point of overload 2. Review mission profile for workload measures 3. Review histogram for a workload measure 4. Present workload statistics by task

JOB TITLES
1. Pilot 2. Copilot 3. Crew chief 4. Loader

Screen 2.7.44 - Select Jobs for Histogram of Workload

Screen 2.7.45 - Definition of Value to be Plotted on Histogram

Like the mission workload profile, the histogram can display any value representing workload for the job selected. This screen permits the user to define this value.

User Actions

1. The user can press <ENTER>. Then, the first level popup will read "New value to be plotted:" with a cursor on the second line. At this point, the user can enter any algebraic expression (including logical operators) which represents workload. This expression will be used in computing values for the histogram. Upon completing the expression, the user must press <ENTER>. The next screen is this screen modified appropriately.

2. View - Next screen is 2.7.46.

3. Print - Next screen is 2.7.47

PATH: MDA)WAA)ANALYZE)REVIEW)HISTOGRAM MODE: WORK

Value View Print

Describe the value for which a histogram will be developed

```
Current value to be plotted:  C
       for the Copilot
```

Screen 2.7.45 - Definition of Value to be Plotted on Histogram

Screen 2.7.46 - Workload Histogram

This screen presents the user with a histogram describing workload as defined by the user for the selected operator.

User Actions

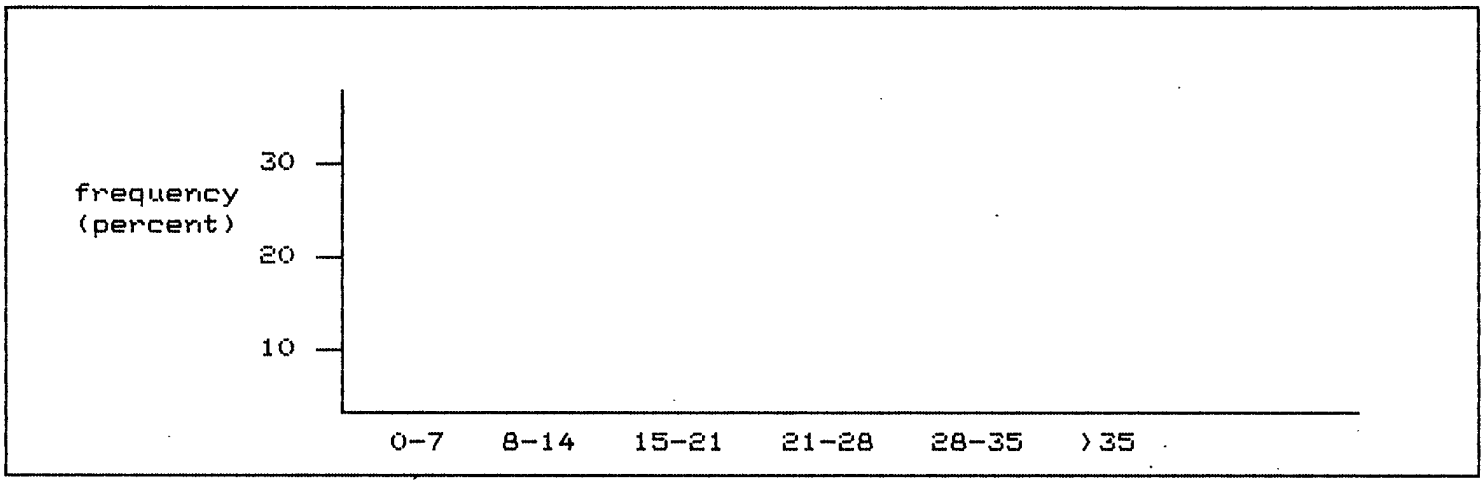
1. <ENTER> or <ESC> - Next screen is 2.7.45

PATH: MDA) WAA) ANALYZE) REVIEW) HISTOGRAM MODE: WORK

Value View Print

View the histogram

Current value to be plotted: V + A
for the Copilot



Screen 2.7.46 - Workload Histogram

Screen 2.7.47 - Print the Workload Histogram

From this screen, the user can print the histogram describing workload throughout a mission.

User Actions

1. <ENTER> - The histogram (as presented in screen 2.7.46) will be printed. The next screen is this screen.

2. Value - The next screen is 2.7.45

3. View - The next screen is 2.7.46

4. <ESC> - The next screen is 2.7.34

PATH: MDA)WAA)ANALYZE)REVIEW)HISTOGRAM MODE: WORK

Value View Print

Print the histogram on the selected printer

```
Current value to be plotted:  V + A
       for the Copilot
```

Screen 2.7.47 - Print the Workload Histogram

Screen 2.7.48 - View Task Workload Demands

This portion of the review of the data permits the user to view the percentage of time each task was active (e.g., being performed by the operator/maintainer) while an excessive workload situation was occurring. This will allow the user to identify tasks which are "troublesome." This screen initiates this analysis.

User Actions

1. <ENTER> - Next screen is 2.7.49

2. All - Next screen is 2.7.51

3. Print - Next screen is 2.7.50

4. <ESC> - Next screen is 2.7.34

PATH: MDA)WAA)ANALYZE)REVIEW)BYTASK MODE: WORK

View All Print

View the task workload demands for the simulation run number under study

Screen 2.7.48 - View Task Workload Demands

Screen 2.7.49 - View Workload Demands by Task - Single Run

This screen provides a report to the user the percent of time workload was excessive while a task was being performed for a single run of the simulation.

User Actions

1. <Pg Up> and <Pg Dn> - These keys will let you page through the list of tasks and the associated percentages.

2. <ESC> - Next screen is 2.7.48

PATH: MDA)WAA)ANALYZE)REVIEW)BYTASK MODE: WORK

View All Print

View the task workload demands for the simulation run number under study

WORKLOAD DEMANDS BY TASK FOR THE PILOT (file attack01, run 1)					
Function:	V	A	C	P	Percent of time task was active and workload was excessive by any definition
Tasks:					

Screen 2.7.49 - View Workload Demands by Task - Single Run

Screen 2.7.50 - Print Workload Demands by Task

The user may elect to print the workload analysis for each task from this screen. The options are that he/she print the By-task analysis for the run under study or across all simulation runs on the workload data file.

User Actions

Using normal edit keys and procedures

1. <Down arrow> <ENTER> - The analysis will be printed for only the run that has been analyzed. This printout will be in the format of screen 2.7.49. Next screen is this screen.

2. <Down arrow> <Down arrow> <ENTER> - The analysis will be printed which reviews all simulation runs. The printout will be in the format of screen 2.7.51. Next screen is this screen.

3. View - Next screen is 2.7.49.

4. All - Next screen is 2.7.51.

5. <ESC> - Next screen is 2.7.34

PATH: MDA)WAA)ANALYZE)REVIEW)BYTASK MODE: WORK

View All Print

Print the task workload demands

OPTIONS
1. Print the results for the simulation run under study (run 1 of 25 on attack01)
2. Print the summary results for all 25 runs

Screen 2.7.50 - Print Workload Demands by Task

Screen 2.7.51 - Review Workload By Task Across All Simulation Runs

The user may wish to look at the workload analysis by-task across all simulation runs. This screen informs him/her of the number of runs and can initiate the analysis.

User Actions

Using normal edit keys and procedures

1. <ENTER> - Will begin the analysis. Next screen is 2.7.52.

2. View - Next screen is 2.7.49.

3. Print - Next screen is 2.7.50

4. <ESC> - Next screen is 2.7.34

PATH: MDA) WAA) ANALYZE) REVIEW) BYTASK MODE: WORK

View All Print

Analyze the workload demands for ALL simulation runs and present statistics

There are 25 simulation runs in this file (attack01)

Screen 2.7.51 - Review Workload By Task Across All Simulation Runs

Screen 2.7.52 - Workload Analysis By Task Status

Since the analysis by task could take some time, this screen keeps the user apprised of the status of the analysis.

User Actions

1. <ESC> - Next screen is 2.7.51

PATH: MDA>WAA>ANALYZE>REVIEW>BYTASK MODE: WAIT

View All Print

Analyze the workload demands for ALL simulation runs and present statistics

Analyzing 4 of 25

Screen 2.7.52 - Workload Analysis By Task Status

Screen 2.7.53 - Review Workload By Task Across All Simulation Runs

This screen presents the report of the workload analysis by task across all simulation runs.

User Actions

1. <Pg Up> and <Pg Dn> - Allows the user to review different tasks.

2. <ESC> - Next screen is 2.7.51

PATH: MDA) WAA) ANALYZE) REVIEW) BYTASK MODE: WORK

View All Print

Analyze the workload demands for ALL simulation runs and present statistics

SUMMARY OF TASK WORKLOAD DEMANDS FOR ALL 25 SIMULATION RUNS ON FILE attack01		
Function name:		Tasks assigned to: Pilot
Task name	Percent of time task is active and operator is overloaded	Percent of time operator is overloaded AND other operators are NOT overloaded

Screen 2.7.53 - Review Workload By Task Across All Simulation Runs

Screen 2.7.54 - Print Workload Analysis Reports

This screen allows the user to print reports which were generated through reviews of the workload data analysis.

User Actions

Using normal edit keys and procedures

From the first level popup

1. The user can highlight the report that he/she wants to print and then hit <ENTER>. The report will be printed and the next screen is this screen.

From the menubar

2. Select - Next screen is 2.7.1

3. Define - Next screen is 2.7.3

4. View - Next screen is 2.7.23

5. Mode - Next screen is 2.7.26

6. Run - Next screen is 2.7.27

7. Review - Next screen is 2.7.31

8. Print - Next screen is 2.7.54

Other

9. <ESC> - Next screen is 2.7.27

PATH: MDA)WAA)ANALYZE MODE: WORK

Select Define View Mode Run Review Print
Print reports of this analysis

REPORTS from the analysis attack01
1. Workload definitions 2. Workload data file (without tasks) 3. Workload data file (with tasks) 4. Points of overload 5. Mission workload profiles 6. Mission workload histograms 7. Workload summary by task 8. Summary statistics 9. All of the above (roughly 321 pages)

Screen 2.7.54 - Print Workload Analysis Reports

3.6.8 Step 8 - Reallocate Tasks Among Jobs

3.6.8.1 Input

External Input: none

Internal Input: The Workload Results Data file will provide information regarding points of excessive workload. The Workload Data File will provide data regarding time required to perform functions. The Task Data File will provide a number of types of information including 1) the function performance time constraints (e.g., derived from the SPREA), 2) the task performance times, 3) the task accessability constraints, and 4) the task sequencing constraints.

3.6.8.2 Process

The task reassignment process involves the system finding and evaluating points for a selected simulation run where there is an apparent need for task reassignment and then making an appropriate task reassignment, if possible. There are two things which will identify the need for task reassignment 1) workload is excessive or 2) the time required to perform a function exceeds the criterion defined by the SPREA (Product 1) or another source of performance criteria.

When a need for task reassignment is identified, the user will have three basic modes of task reassignment, 1) manual reassignment, 2) automatic reassignment with review, and 3) automatic reassignment without review. In the manual reassignment mode, the user is presented with a description of the situation which has identified the need for task reassignment. For example, if workload is excessive, the system will present to the user a description of the job title, the tasks he/she is currently performing in the

simulation, the workload values for each task, and the current status of the workload for other jobs. If function time limits are exceeded, the system will present to the user a description of the critical path in the function as well as a description of the slack time for other jobs. Then, the user must manually select the task to be reassigned to another job and the job to which it will be reassigned. The system will then ensure that the task reassignment does not violate either accessability constraints (i.e, the newly assigned job can reach and view the necessary controls and displays) or sequence constraints (i.e., the task sequence is feasible). The user will be informed if either constraint is violated and he/she can try other alternatives.

In the automatic reassignment with review mode, the system will find each point where a task reassignment is needed and then suggest a candidate task reassignment. This suggested reassignment will be based on system algorithms for making these reassignments. Then, the user will need to accept or reject the task reassignment. If the reassignment is rejected, the system will attempt to identify other candidate reassignments.

In the automatic reassignment mode, the system will automatically make all task reassignments. Again, these reassignments will be based on system algorithms. The user will simply be kept informed of the number of task reassignments from each job to each other job.

At the completion of all task reassignment, the user will be able to review all task reassignments. As this review proceeds, the user will be able to cancel task reassignments. In fact, reassignments are not "final" until the user saves the task reassignments at the completion of this step.

On the following pages are flowcharts for the processes in this step. Figure 3.6.8-1 presents the overall flowchart for this step. Figure 3.6.8-2 presents a more detailed flowchart for the process of manual task reassignment. Figure 3.6.8-3 presents a more detailed flowchart for automatic task reassignment with review. Figure 3.6.8-3 presents a flowchart for fully automatic task reassignment. Finally, Figure 3.6.8-5 presents a flowchart for the algorithms for automatic task reassignment. All flowcharts other than 3.6.8-5 in this section outline the flow of screens from the user perspective. However, since automatic task reassignment is a critical system operation, we have expanded on this segment of the software in Figure 3.6.8-5.

3.6.8.3 Output

The output of this step is a revised task data file with the new task assignments to jobs as well as the revised task sequences. This Task Data File could be kept under a new name, therefore maintaining the integrity of the task data file on which this analysis was based.

Additionally, there are a number of potential reports that the user may print out.

3.6.8.4 User Interfaces

Screens 2.8.1 through 2.8.36 present all interfaces relevant to this step.

Figure 3.6.8-1 REASSIGNMENT OF TASKS AMONG JOBS

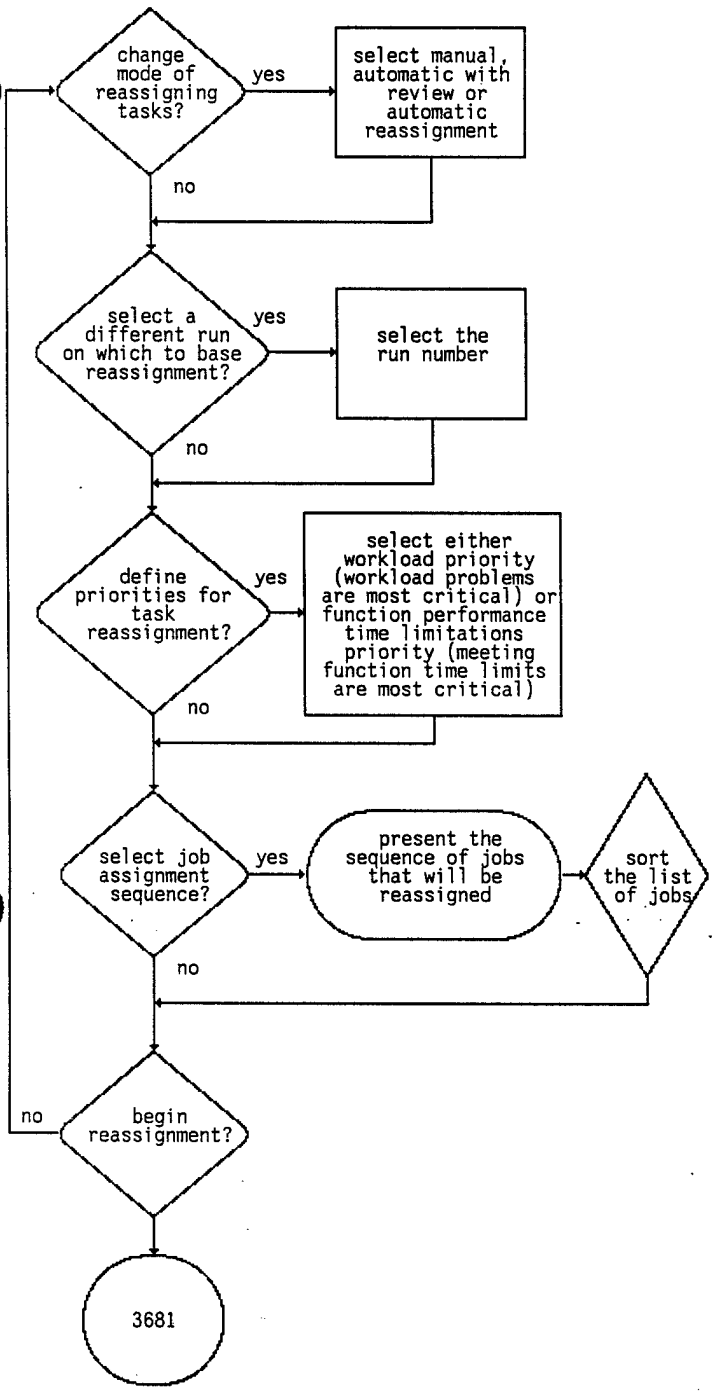


Figure 3.6.8-1 continued

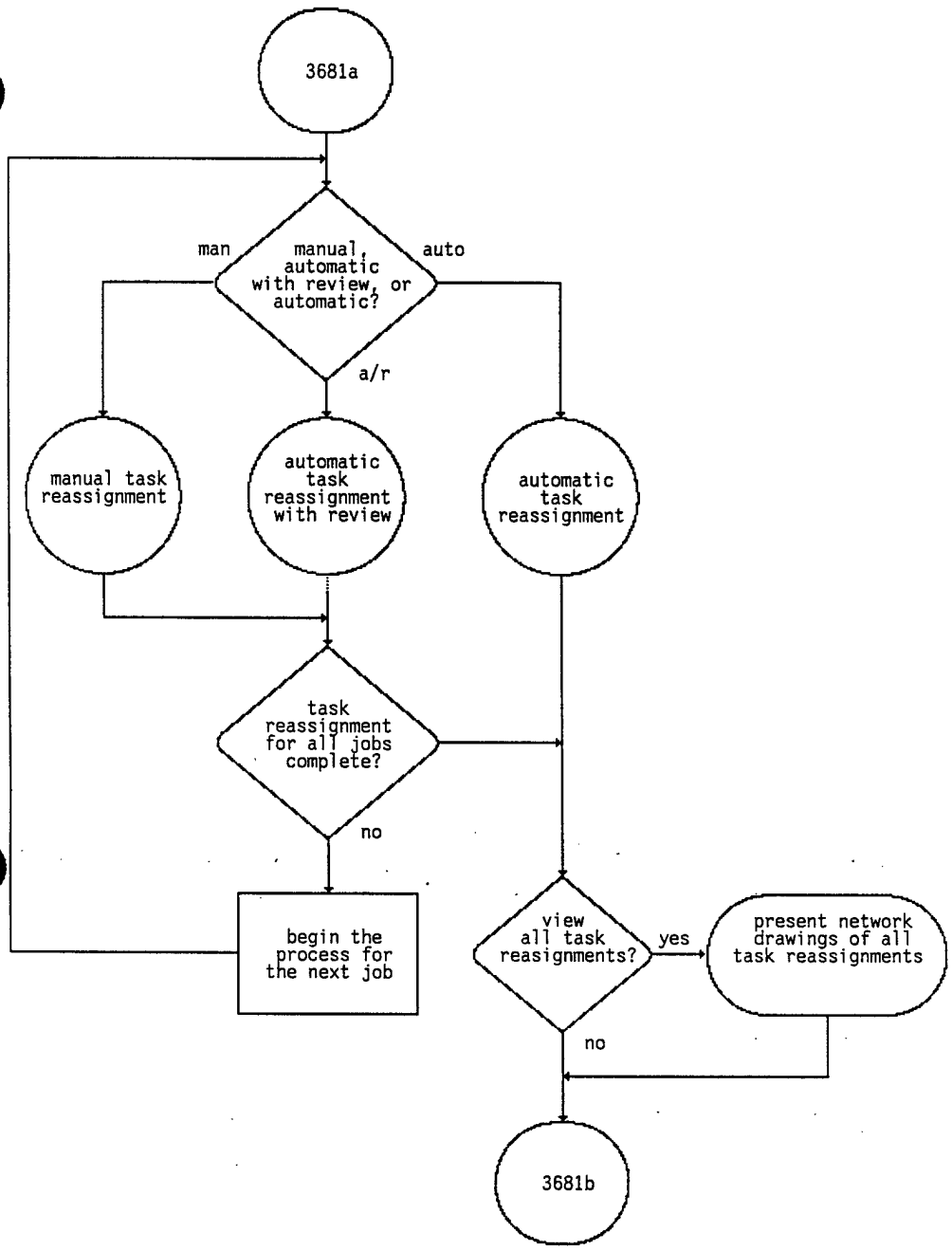


Figure 3.6.8-1 continued

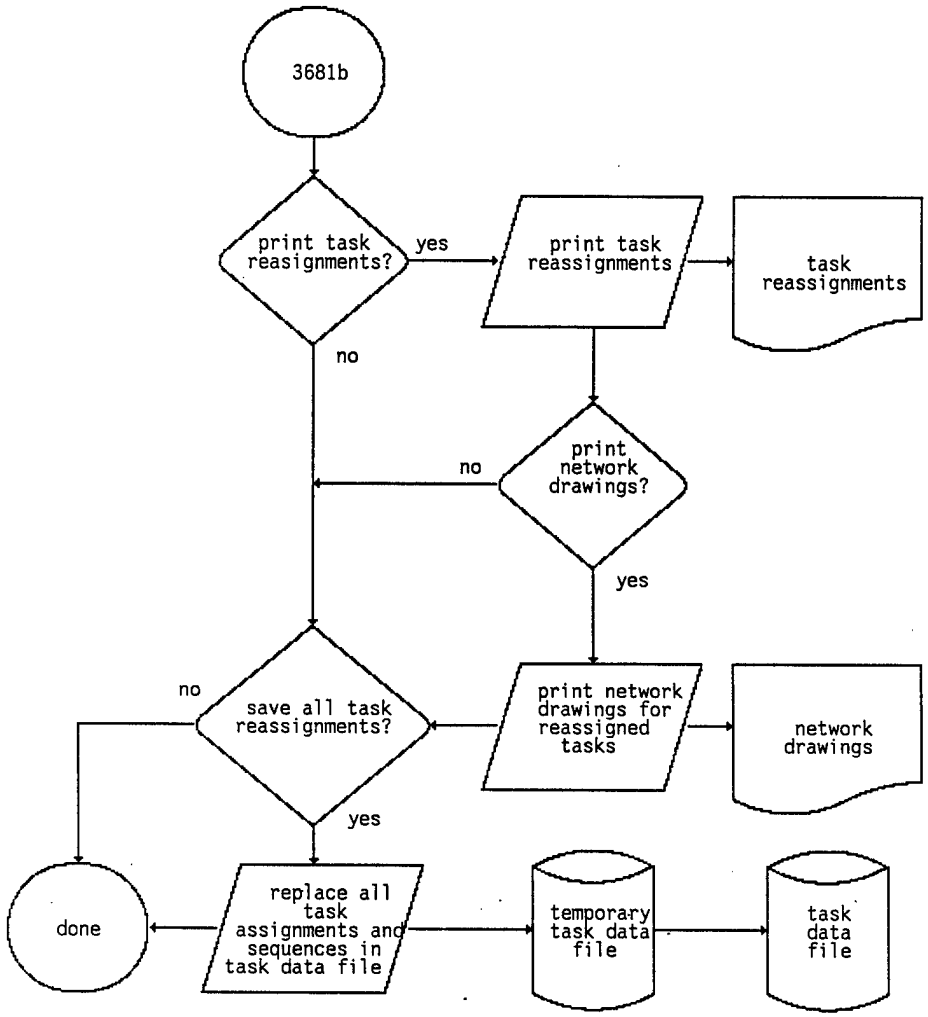


Figure 3.6.8-2 MANUAL TASK REASSIGNMENT

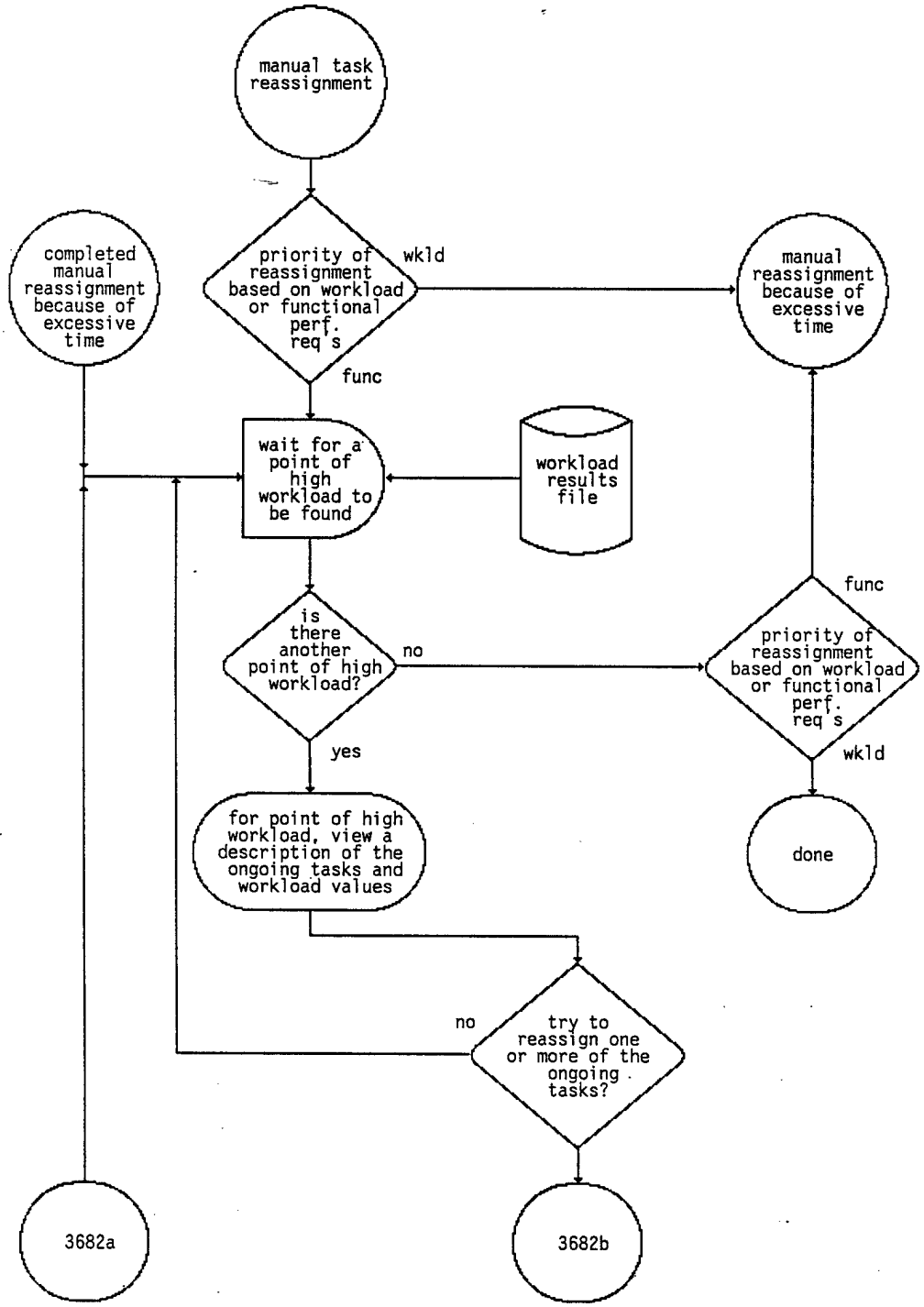


Figure 3.6.8-2 continued

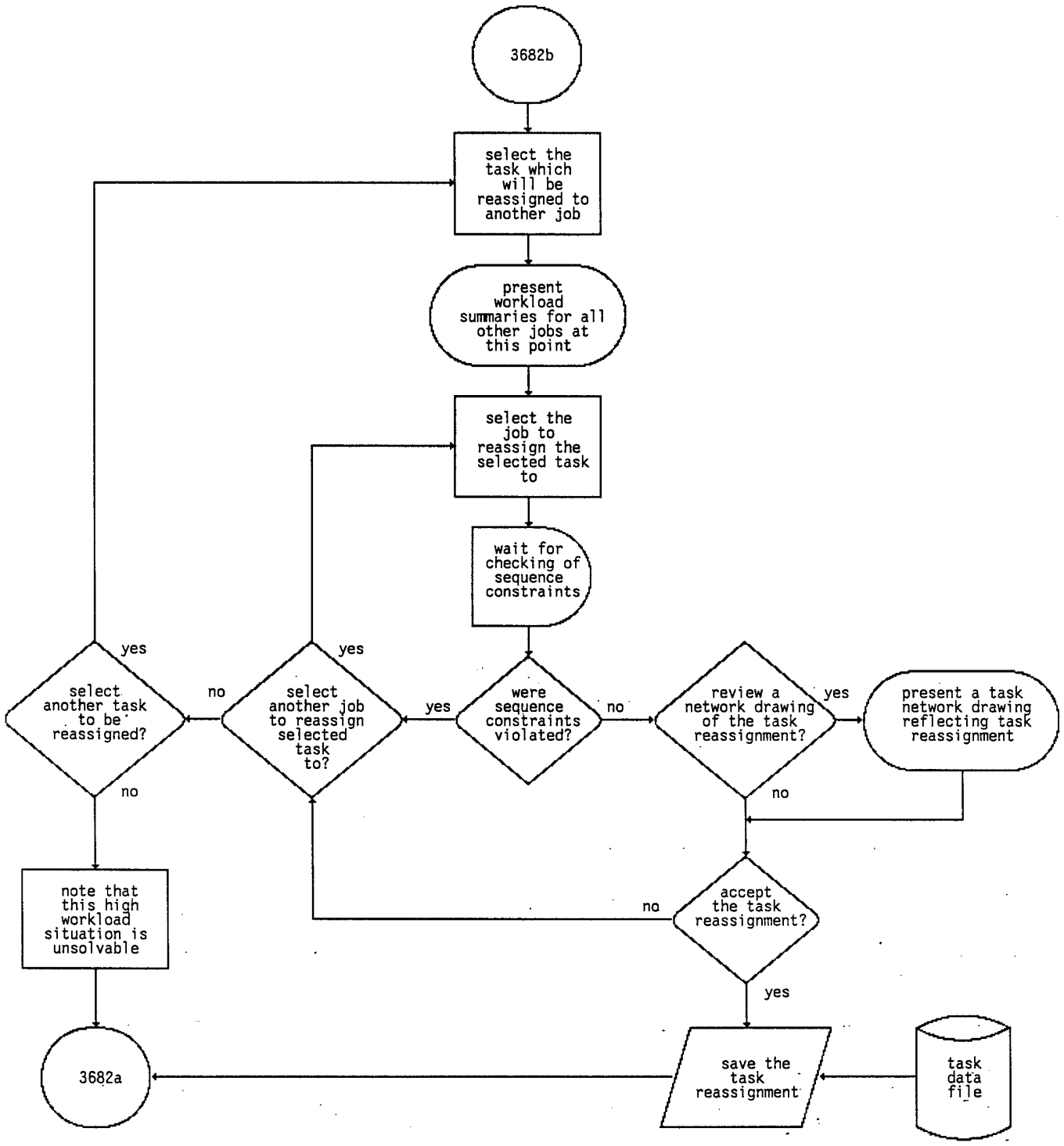


Figure 3.6.8-2 continued

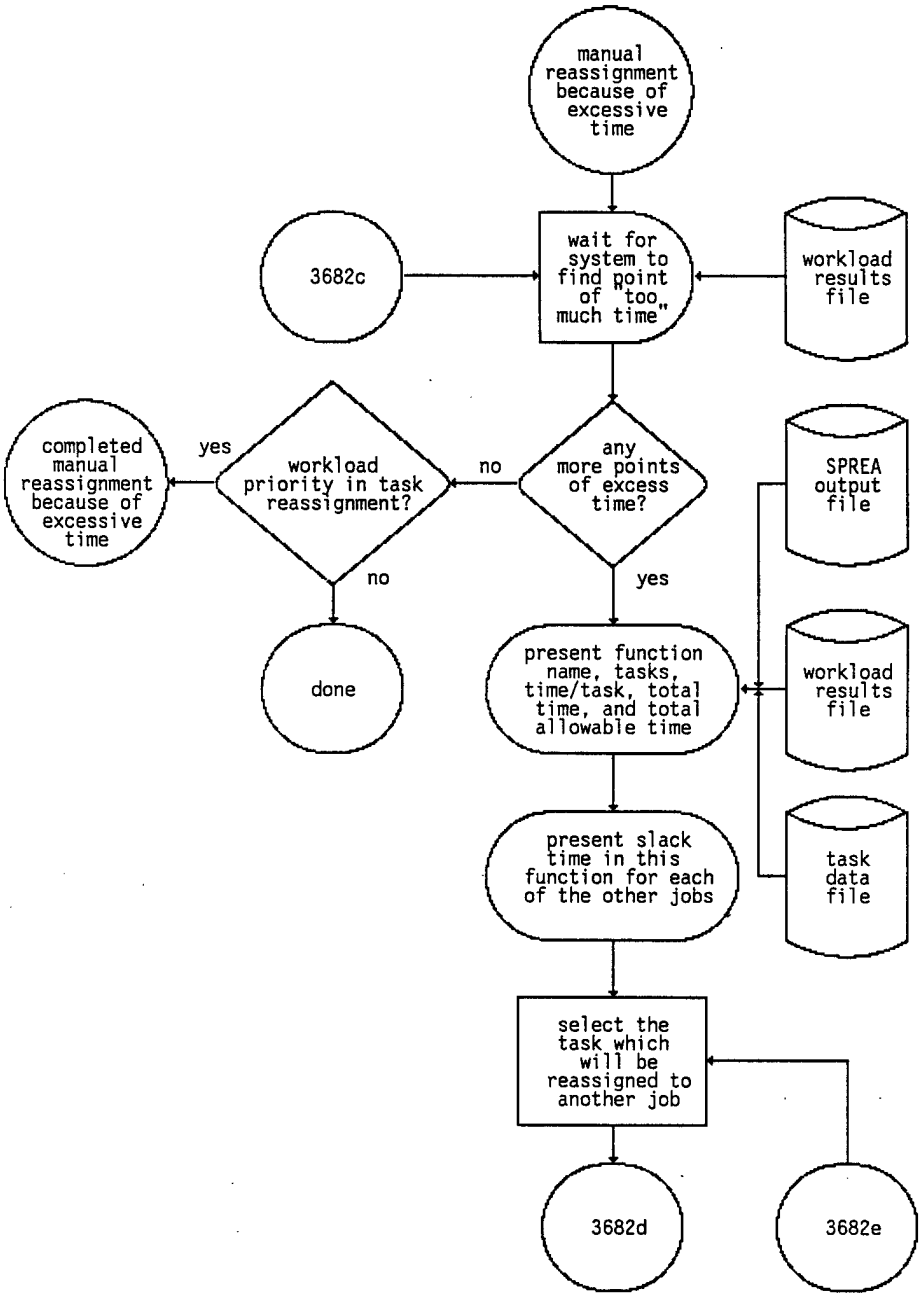


Figure 3.6.8-2 continued

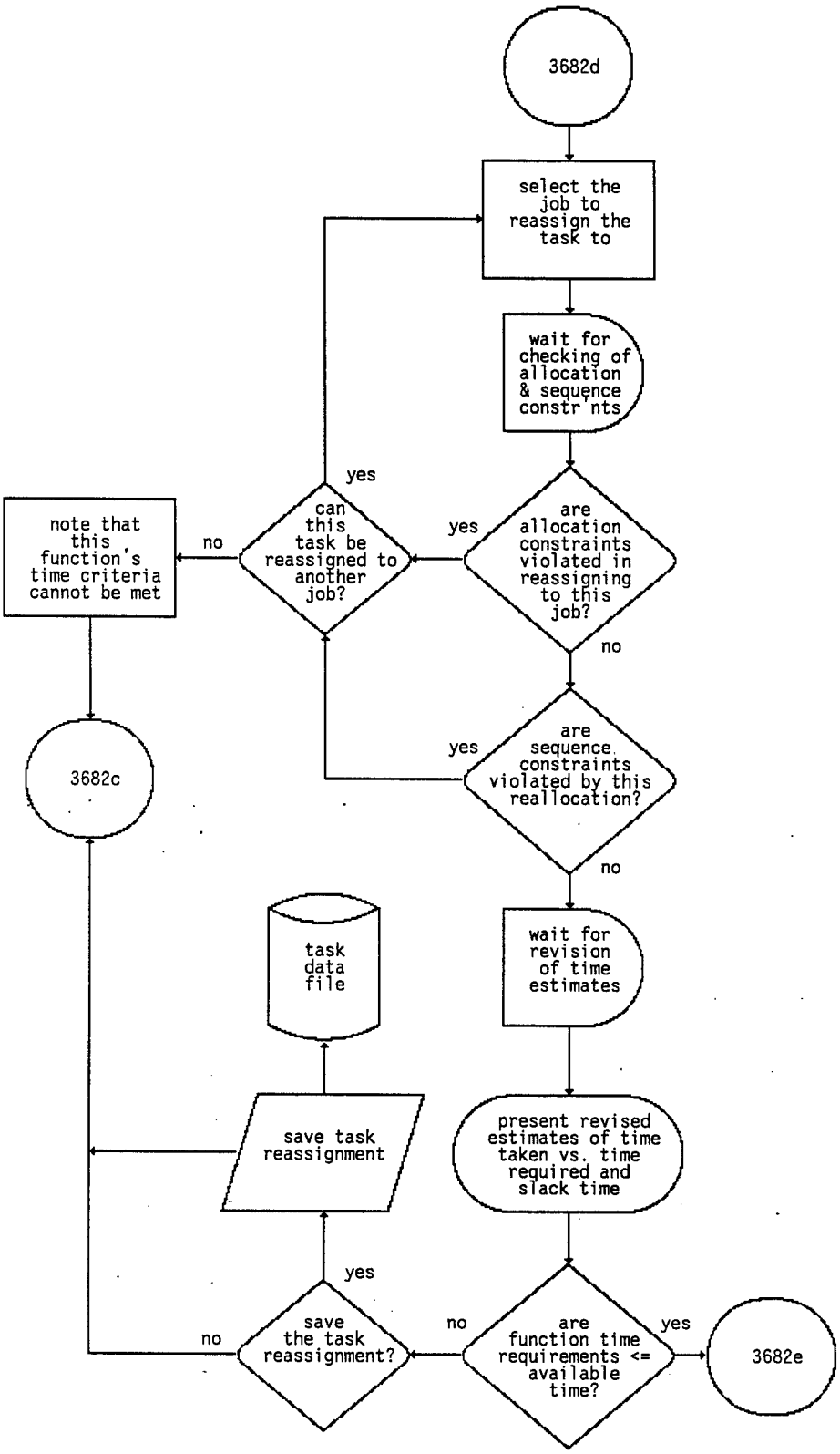


Figure 3.6.8-3 AUTOMATIC TASK ASSIGNMENT WITH REVIEW

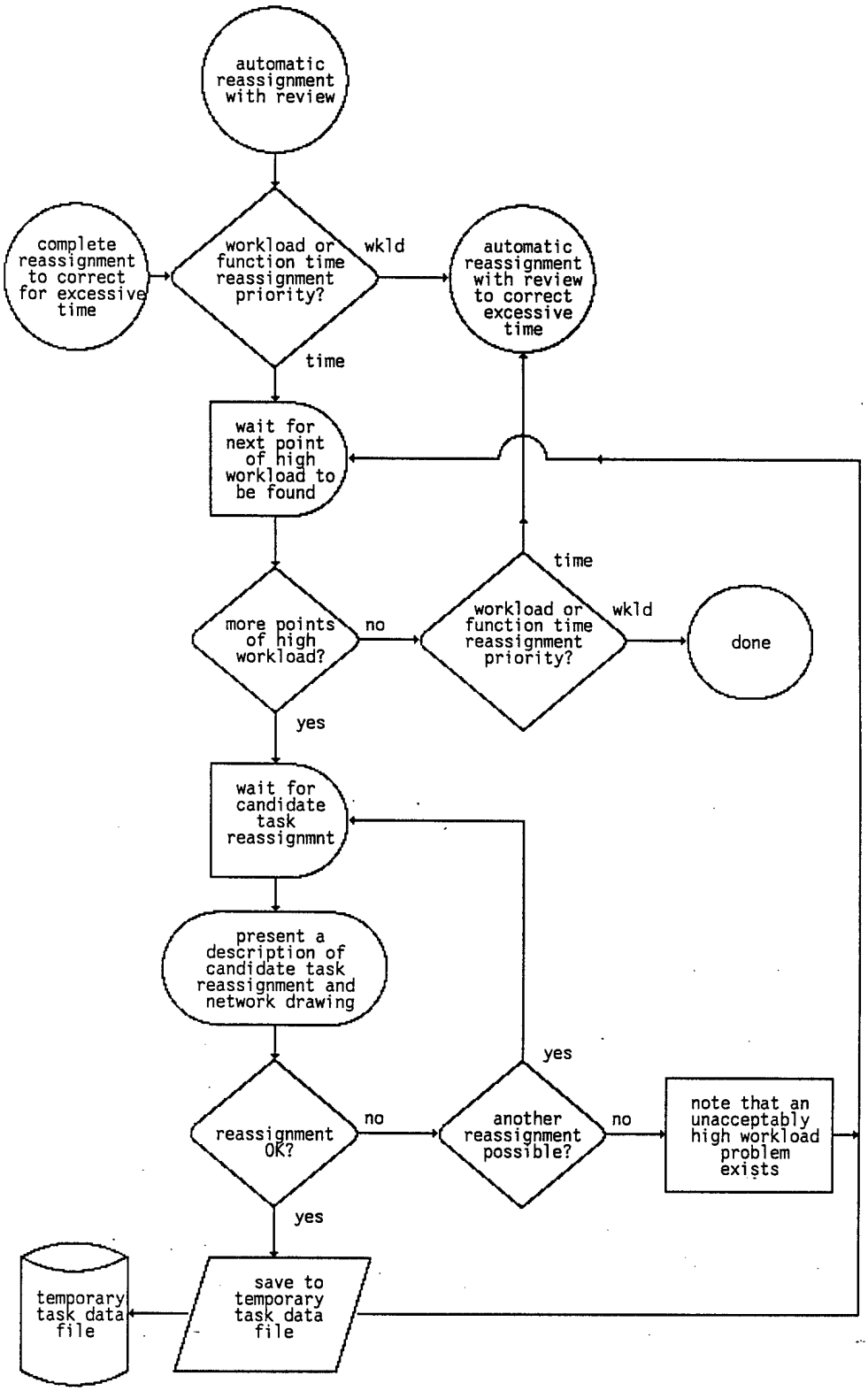


Figure 3.6.8-3 continued

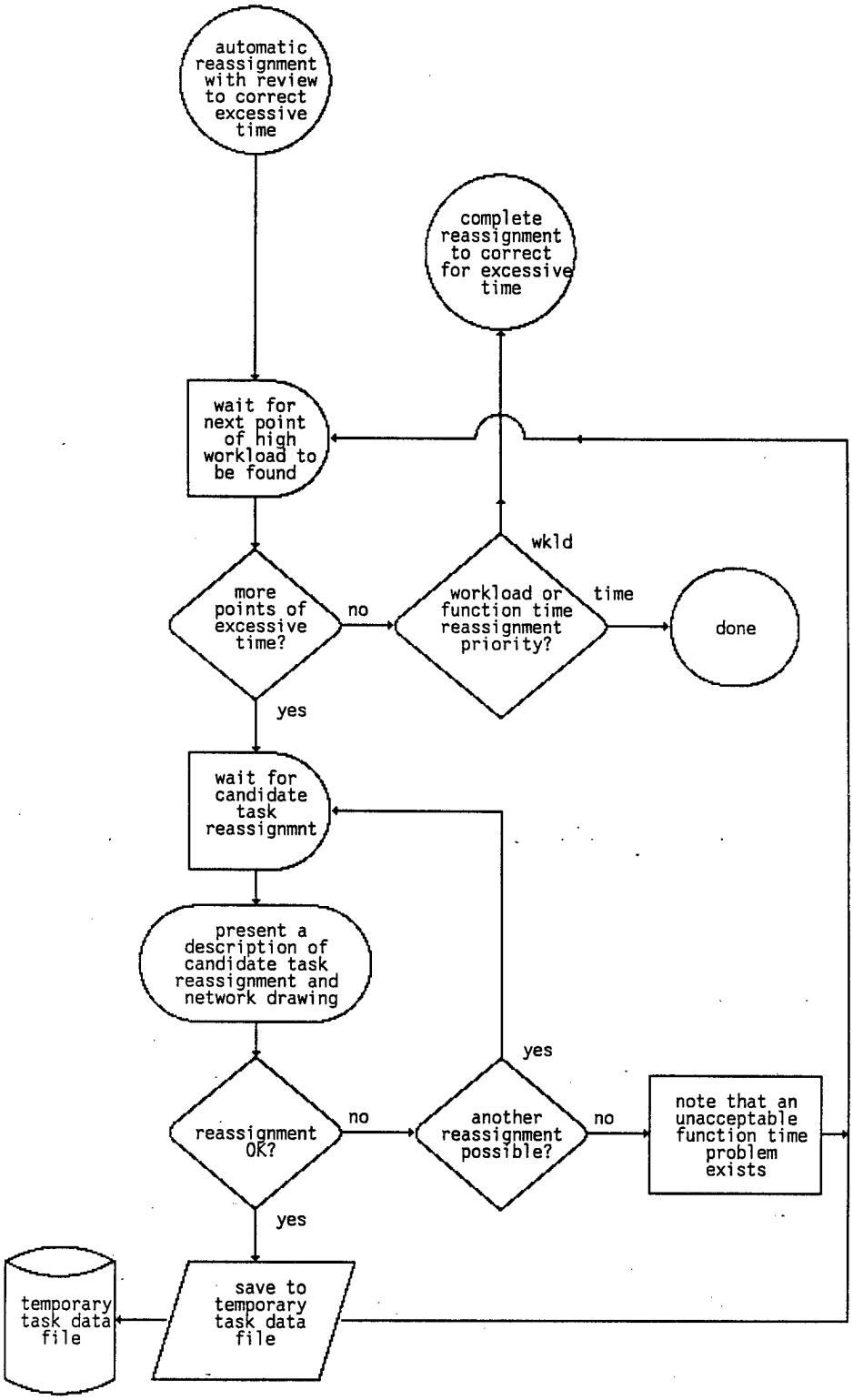


Figure 3.6.8-4 AUTOMATIC TASK REASSIGNMENT

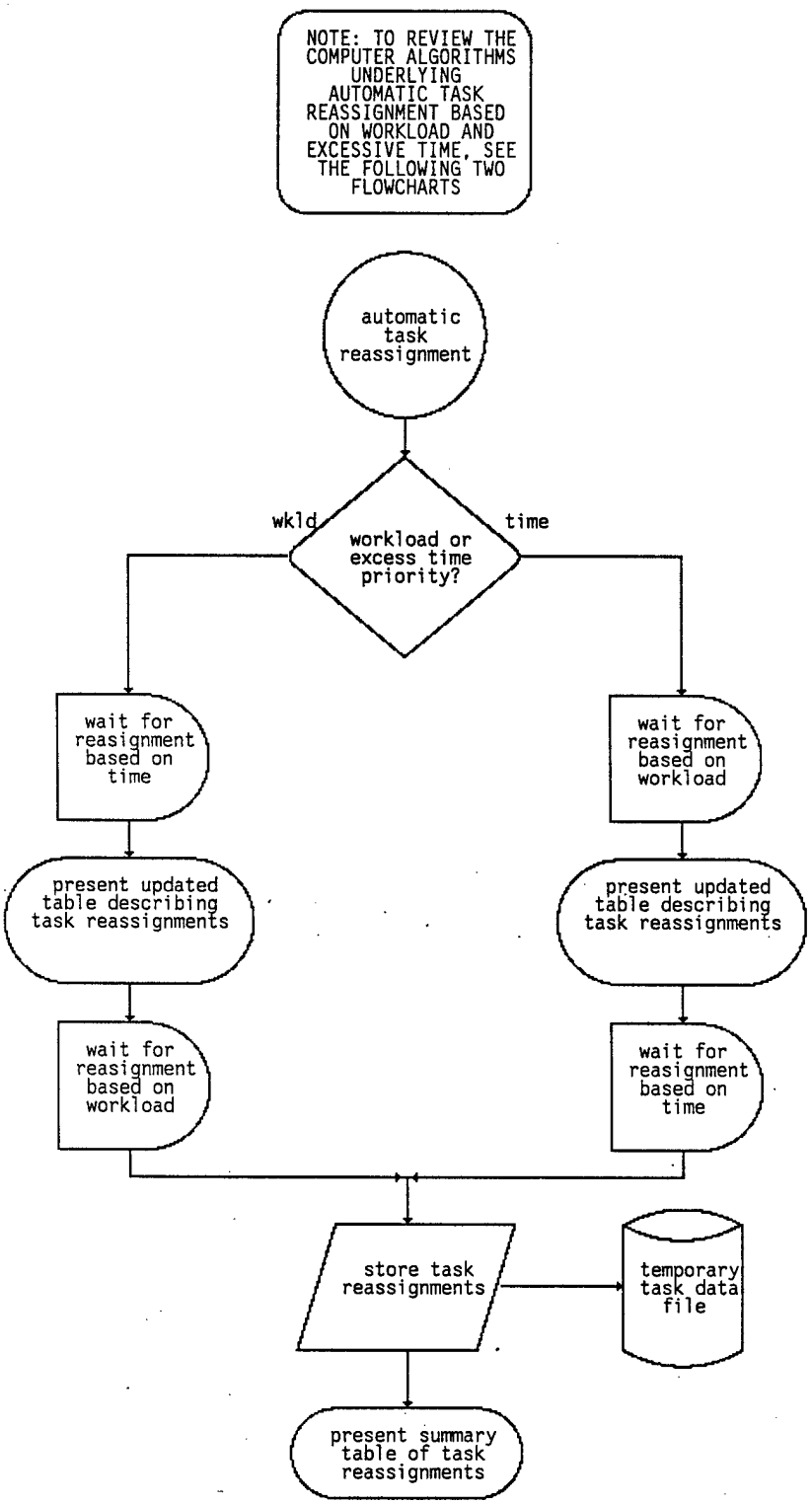


Figure 3.6.8-5 COMPUTER ALGORITHMS FOR AUTOMATIC TASK REASSIGNMENT

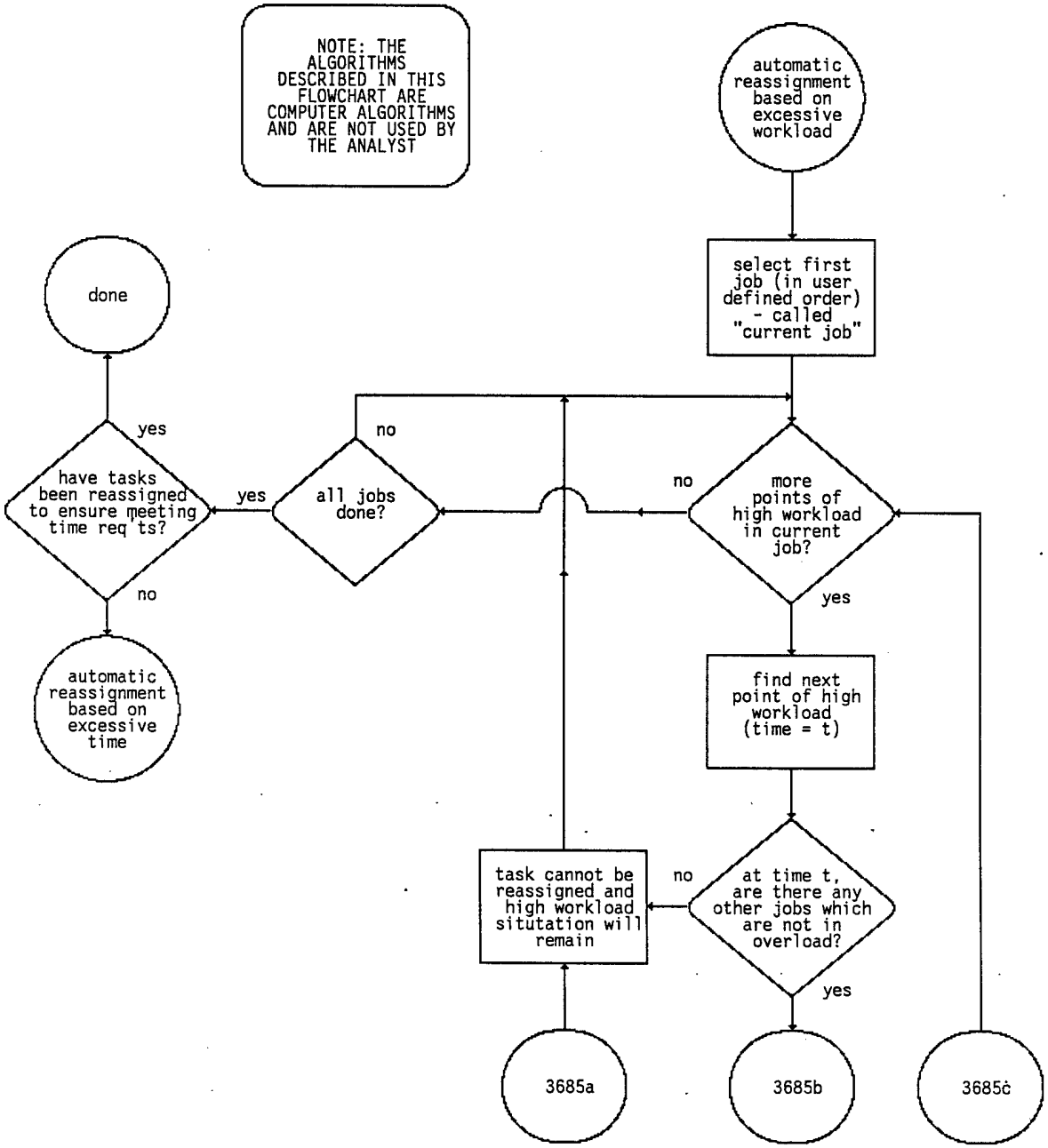


Figure 3.6.8-5 continued

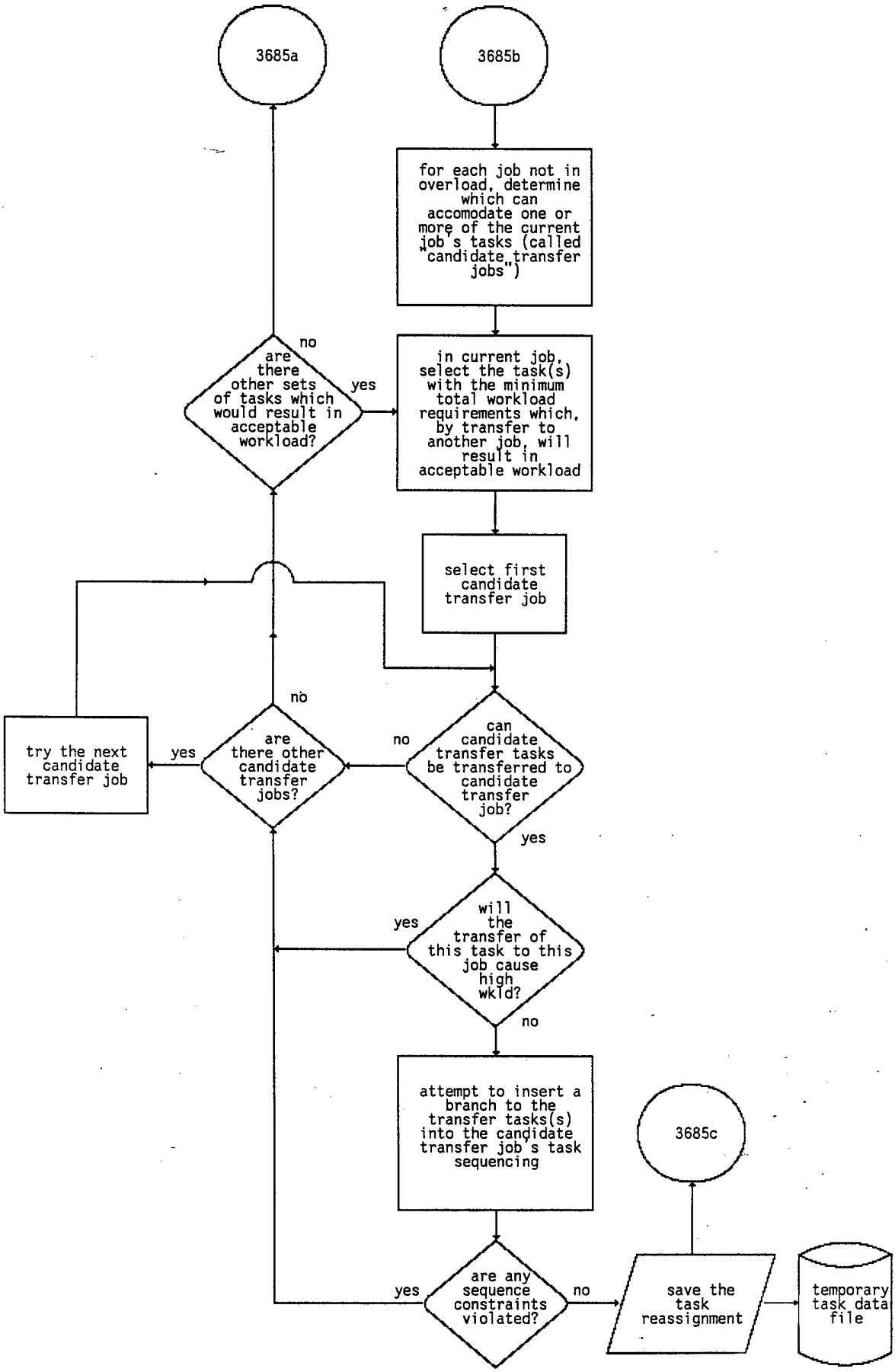


Figure 3.6.8-5 continued

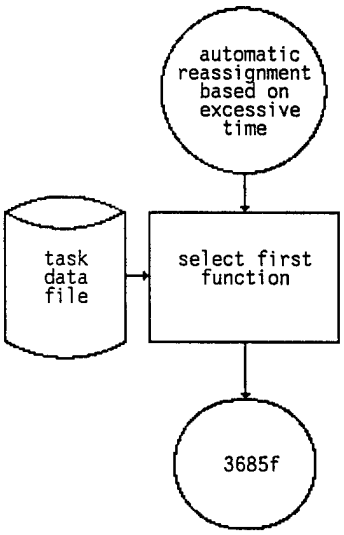
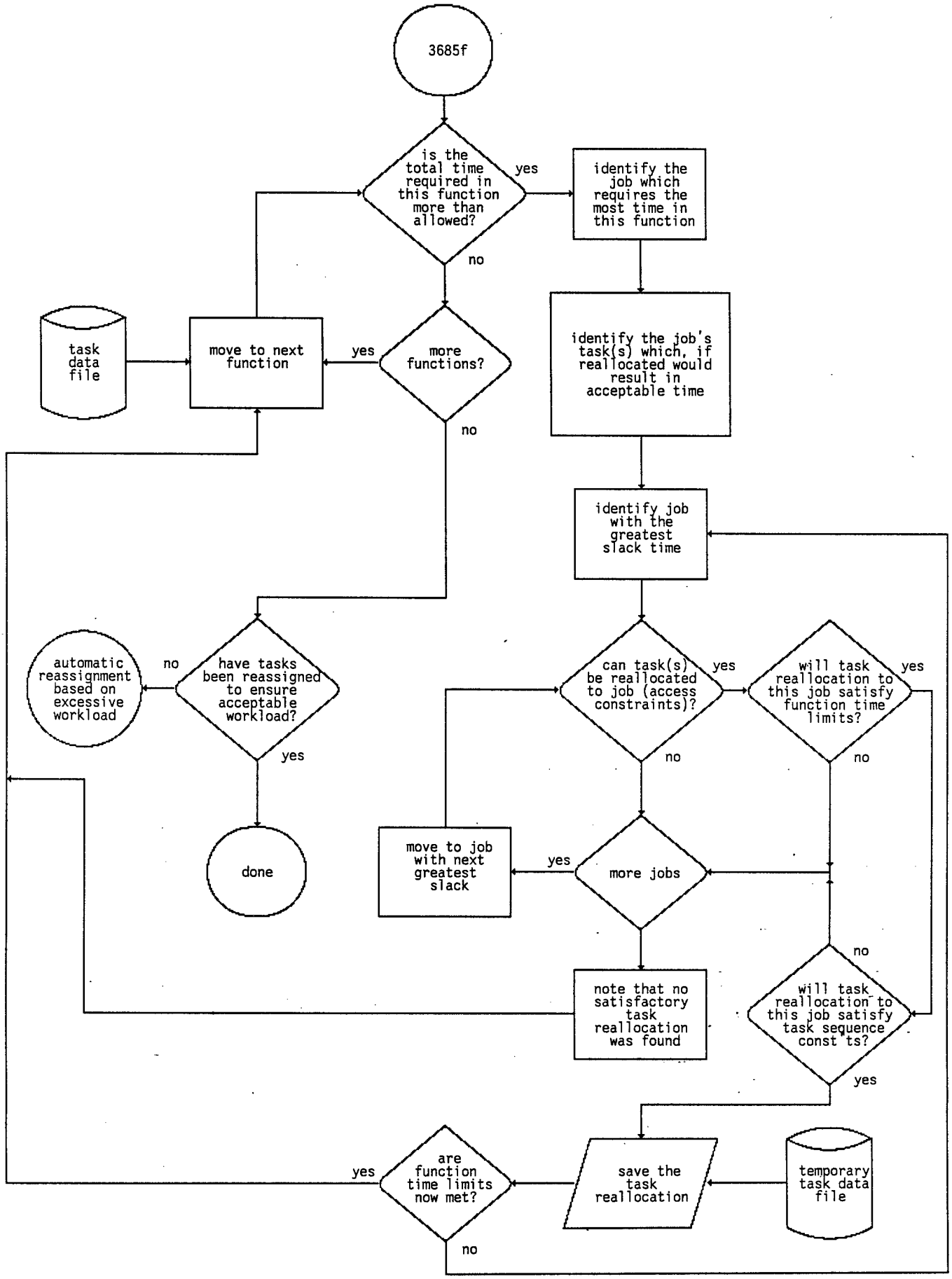


Figure 3.6.8-5 continued



Screen 2.8.1 - Main Menu for Task Reallocation

This screen gives the user access to all of the other screens associated with task reallocation.

User Actions

Using normal edit keys and procedures

1. Mode - Next screen is 2.8.2
2. Select - Next screen is 2.8.3
3. Priority - Next screen is 2.8.4
4. Reassign - Next screen is 2.8.8, 2.8.9, or 2.8.10 if the mode is MANUAL, AUTOMATIC WITH REVIEW, or AUTOMATIC, respectively.
5. View - Next screen is 2.8.29
6. Print - Next screen is 2.8.31
7. Save - Next screen is 2.8.35
8. <ESC> - Next screen is 2.0

PATH: MDA) WAA) REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Screen 2.8.1 - Main Menu for Task Reallocation

Screen 2.8.2 - Mode selection for Task Reassignment

Three modes of task reassignment are available to the user, 1) Manual (where the user reviews all designated points of overload and excessive time requirements and then reassigns the task manually), 2) Automatic with review (where the system suggests a task reassignment based upon the automatic reassignment algorithms and the user must review and can modify this reassignment), or 3) Automatic (where the user will have no input during the task reassignment process - they will be entirely driven by the reassignment algorithms). This screen permits the user to select this mode of reassignment.

User Actions

Using normal edit keys and procedures

From the first level popup

1. Using the <Up Arrow> or <Down Arrow> keys, the user may highlight the mode of choice and press <ENTER>.

From the menubar

2. Select - Next screen is 2.8.3

3. Priority - Next screen is 2.8.4

4. Reassign - Next screen is 2.8.8, 2.8.9, or 2.8.10 if the mode is MANUAL, AUTOMATIC WITH REVIEW, or AUTOMATIC, respectively.

5. View - Next screen is 2.8.29

6. Print - Next screen is 2.8.31

7. Save - Next screen is 2.8.35

Other

8. <ESC> - Next screen is 2.8.1

PATH: MDA)WAA)REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Select automatic or manual reassignment

REASSIGNMENT MODES
1. Manual (review all points of overload to determine what, if any, reassignment is appropriate) 2. Automatic with review (automatically define a task reassignment with with acceptance only upon review) 3. Automatic without review (automatically reassign tasks)

Screen 2.8.2 - Mode selection for Task Reassignment

Screen 2.8.3 - Select the Simulation Run on Which to Base Task Reassignment

Since there may be multiple simulation runs in a Workload Results File, the user must select the run on which to base the task reassignment. Only those runs which have been analyzed can be used. In other words, those for which only raw workload data are available cannot be used.

User Actions

Using normal edit keys and procedures

From the first level popup

1. <ENTER> - The cursor will be moved to the end of the bottom line of the first level popup and the user can enter any number less than the total number of runs available. If that run has not yet been analyzed, a message as such will be displayed. The next screen is this screen modified accordingly.

From the menubar

2. Mode - Next screen is 2.8.2

3. Priority - Next screen is 2.8.4

4. Reassign - Next screen is 2.8.8, 2.8.9, or 2.8.10 if the mode is MANUAL, AUTOMATIC WITH REVIEW, or AUTOMATIC, respectively.

5. View - Next screen is 2.8.29

6. Print - Next screen is 2.8.31

7. Save - Next screen is 2.8.35

Other

8. <ESC> - Next screen is 2.8.1

PATH: MDA)WAA)REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Select the simulation run on which to base the task reassignment

File name is attack01
which includes 25 runs

You have been working on run 1

Task reassignment will be based on run 1

Screen 2.8.3 - Select the Simulation Run on Which to Base Task Reassignment

Screen 2.8.4 - Set Task Reassignment Priority

Regardless of the mode of task reassignment, the priority of task reassignment must be defined. There are two separate deficiencies in task allocation which will trigger the system to identify a need for task reassignment, 1) a function takes longer than acceptable to perform and/or 2) one or more of the jobs is exhibiting excessive workload. Whichever is perceived by the user to be the most important of these deficiencies is the one that will be addressed last (in the same manner as one sorts a data file on the most critical field last).

Additionally, the priority of task reassignment to jobs is also critical. Again, the most important job (as perceived by the user) should be addressed last.

This screen and several following screens allow the user to define these priorities.

User Actions

Using normal edit keys and procedures

From the first level popup

1. <Up Arrow> or <Down Arrow> and <ENTER> - The user may select which priority he/she wishes to emphasize. If "Set overall priorities" is selected, the next screen is 2.8.5. If "Set job assignment Sequence" is selected, the next screen is 2.8.6.

From the menubar

2. Mode - Next screen is 2.8.2

3. Select - Next screen is 2.8.3

4. Reassign - Next screen is 2.8.8, 2.8.9, or 2.8.10 if the mode is MANUAL, AUTOMATIC WITH REVIEW, or AUTOMATIC, respectively.

5. View - Next screen is 2.8.29

6. Print - Next screen is 2.8.31

7. Save - Next screen is 2.8.35

Other

8. <ESC> - Next screen is 2.8.1

PATH: MDA)WAA)REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Set the priorities for making task reassignments

OPTIONS
1. Set overall priorities
2. Set job assignment sequence

Screen 2.8.4 - Set Task Reassignment Priority

Screen 2.8.5 - Set Overall Task Reassignment Priorities

From this screen the user may select whether a "Function Time Limitations" or "Workload Limitation" priority is in effect for the task reassignment.

User Actions

1. <ENTER> or "A" or <ESC> - Will result in the user accepting the current priority. The next screen will be 2.8.4.

2. <Right Arrow> and <ENTER> or "R" - Will result in the user reversing the priority. The next screen will be this screen modified accordingly.

PATH: MDA) WAA) REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Set the priorities for making task reassignments

OPTIONS
1. Set overall priorities
2. Set job assignment sequence

REASSIGNMENT PRIORITIES	
Sequence	Criterion
1	Function performance time limitations
2	Workload limitations
Accept	Reverse Sequence

Screen 2.8.5 - Set Overall Task Reassignment Priorities

Screen 2.8.6 - Select Job to Change Task Reassignment Sequence

This screen permits the user to redefine the sequence of task reassignment to jobs.

User Actions

Using normal edit keys and procedures

From the second level popup

1. The user may highlight a job whose order he/she would like to change. Upon doing so, the next screen is 2.8.7.

Other

2. <ESC) - Next screen is 2.8.4

PATH: MDA) WAA) REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Set the priorities for making task reassignments

OPTIONS
1. Set overall priorities 2. Set job assignment sequence

CURRENT ASSIGNMENT ORDER
1. Pilot 2. Copilot 3. Crew chief 4. Loader
Highlight or select number of job whose assignment order should be changed

Screen 2.8.6 - Select Job to Change Task Reassignment Sequence

Screen 2.8.7 - Change Job Task Reassignment Sequence

This screen permits the user to change the sequence in which jobs will have tasks reassigned.

User Actions

Using normal edit keys and procedures

From the second level popup

1. <ENTER> - This will move the job assignment up above the next higher job. For example, on this screen, Crew chief and Copilot would trade places. Next screen is this screen modified appropriately.

2. <Right Arrow> and <ENTER> - This will move the job assignment below the next lower job. For example, on this screen, Crew chief and Loader would trade places. Next screen is this screen modified appropriately.

Other

3. <ESC> - Next screen is 2.8.4

PATH: MDA)WAA)REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Set the priorities for making task reassignments

OPTIONS
1. Set overall priorities 2. Set job assignment sequence

CURRENT ASSIGNMENT ORDER
1. Pilot 2. Copilot 3. Crew chief 4. Loader
Move up Move down

Screen 2.8.7 - Change Job Task Reassignment Sequence

Screen 2.8.8 - Commence Task Reassignment - Manual Mode

This screen tells the user that the mode of task reassignment is manual and permits the user to begin task reassignment.

User Actions

Using normal edit keys and procedures

From the first level popup

1. <ENTER> - Will begin the task reassignment process. Next screen is 2.8.11.

From the menubar

2. Mode - Next screen is 2.8.2

3. Select - Next screen is 2.8.3

4. Priority - Next screen is 2.8.4

5. View - Next screen is 2.8.29

6. Print - Next screen is 2.8.31

7. Save - Next screen is 2.8.35

Other

8. <ESC> - Next screen is 2.8.1

PATH: MDA) WAA) REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Reassign tasks between jobs

```
Mode of reassignment is MANUAL
   Hit return to begin
```

Screen 2.8.8 - Commence Task Reassignment - Manual Mode

Screen 2.8.9 - Commence Task Reassignment - Automatic with Review Mode

This screen tells the user that the mode of task reassignment is automatic with review and permits the user to begin task reassignment.

User Actions

Using normal edit keys and procedures

From the first level popup

1. <ENTER> - Will begin the task reassignment process. Next screen is 2.8.25.

From the menubar

2. Mode - Next screen is 2.8.2

3. Select - Next screen is 2.8.3

4. Priority - Next screen is 2.8.4

5. View - Next screen is 2.8.29

6. Print - Next screen is 2.8.31

7. Save - Next screen is 2.8.35

Other

8. <ESC> - Next screen is 2.8.1

PATH: MDA)WAA)REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Reassign tasks between jobs

```
Mode of reassignment is AUTOMATIC WITH REVIEW
   Hit return to begin
```

Screen 2.8.9 - Commence Task Reassignment - Automatic with Review Mode

Screen 2.8.10 - Commence Task Reassignment - Automatic Without Review

This screen tells the user that the mode of task reassignment is automatic without review and permits the user to begin task reassignment.

User Actions

Using normal edit keys and procedures

From the first level popup

1. <ENTER> - Will begin the task reassignment process. Next screen is 2.8.28.

From the menubar

2. Mode - Next screen is 2.8.2

3. Select - Next screen is 2.8.3

4. Priority - Next screen is 2.8.4

5. View - Next screen is 2.8.29

6. Print - Next screen is 2.8.31

7. Save - Next screen is 2.8.35

Other

8. <ESC> - Next screen is 2.8.1

PATH: MDA)WAA)REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Reassign tasks between jobs

```
Mode of reassignment is AUTOMATIC WITHOUT REVIEW
   Hit return to begin
```

Screen 2.8.10 - Commence Task Reassignment - Automatic Without Review

Screen 2.8.11 - Manual Task reassignment - Review a Point of Overload

This screen presents a point of overload to the user so that he/she may begin the process of reassigning tasks or determine that task reassignment is either impossible or unnecessary.

User Actions

1. <ENTER> or "G" - The system will not attempt any task reassignment and will skip on to the next task. If there are more tasks to reassign, the next screen will be this screen for the next point of overload. If there are no more reassignments to make on the basis of overload but function time limits have not yet been explored, the next screen is 2.8.21. If there are no more task reassignments to be made, then the next screen is 2.8.27.

2. <Right Arrow> and <ENTER> or "A" - The next screen is 2.8.12.

3. <ESC> - Next screen is 2.8.10.

PATH: MDA) WAA) REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Reassign tasks between jobs

MANUAL REASSIGNMENT POINT OF OVERLOAD

Operator name - pilot ongoing tasks - 3 time - 22 secs

Ongoing tasks	V	A	C	P
Manipulate cyclic	1	0	3	6
Monitor radio	1	3	2	0
Look for threats	6	1	2	1
TOTAL	8	4	7	7

Violates the following definitions:

V + A + C + P) 16

C + V) 10

C + P) 12

Go to next point of overload

Attempt to reassign tasks to other jobs

Screen 2.8.11 - Manual Task reassignment - Review a Point of Overload

Screen 2.8.12 - Select Task To Reassign

When the user determines that he will reallocate tasks, the first step will be to decide which task he/she wants to reallocate from the screen.

User Actions

Using normal edit keys and procedures

From the first level popup

1. The user can highlight the task title and press <ENTER>. The next screen 2.8.13.

From the menubar

2. Review - Next screen is 2.8.17

3. Accept - Next screen is 2.8.20

Other

4. <ESC> - Next screen is 2.8.11

PATH: MDA)WAA)REASSIGN)MANUAL MODE: WORK

Select Review Accept

Select task for potential reassignment

Pilot Tasks
1. Manipulate cyclic 2. Monitor radio 3. look for threats

Screen 2.8.12 - Select Task To Reassign

Screen 2.8.13 - Selection of Job to Assign Reassigned Task To

This screen presents the user with information regarding the status of other jobs at this point in the simulation as well as the projected workload of this job if the task is reassigned. This screen then lets him select which job the task should be reassigned to.

User Actions

Using normal edit keys and procedures

From the second level popup

1. The user can highlight the job he wants to attempt task reassignment to and press <ENTER>. The next screen is 2.8.14.

Other

2. <ESC> - Next screen is 2.8.12

PATH: MDA)WAA)REASSIGN)MANUAL MODE: WORK

Select Review Accept

Select task for potential reassignment

Pilot Tasks
1. Manipulate cyclic 2. Monitor radio 3. look for threats

Job Name	Total Workload at this time in the simulation V	A	C	P	Total Workload if this task is reassigned V	A	C	P
1. copilot	2	1	2	2	3	4	4	2
2. crew chief	2	2	1	3	3	5	3	3

Notes: Only those jobs who are able to perform this task are listed.
Limitations of task sequencing are not considered until an attempt is made to reassign the task.

Hit the return key to attempt reassignment of this task to this job

Screen 2.8.13 - Selection of Job to Assign Reassigned Task To

Screen 2.8.14 - Status Screen While Task Reassignment is Attempted

This screen is presented to the user while the system checks whether task reassignment is possible. Since only the jobs to which this task can be reassigned are presented as options (based upon the accessability constraints), the constraints which must be checked are the sequence constraints. It is possible that the task cannot be inserted into the other jobs task sequencing definition without violating one or more of the task sequence constraints. This being the case, the user must find another alternative for reallocation, override the constraints, or redefine the task sequencing constraints.

User Actions

1. <ESC> - Next screen is 2.8.13

PATH: MDA) WAA) REASSIGN) MANUAL MODE: WORK

Select Review Accept

Select task for potential reassignment

Pilot Tasks
1. Manipulate cyclic 2. Monitor radio 3. look for threats

Job Name	Total Workload at this time in the simulation V	A	C	P	Total Workload if this task is reassigned V	A	C	P
1. copilot	2	1	2	2	3	4	4	2
2. crew chief	2	2	1	3	3	5	3	3

Notes: Only those jobs who are able to perform this task are listed.
Limitations of task sequencing are not considered until an attempt is made to reassign the task.

Attempting to reassign the task MONITOR RADIO to the Copilot

Screen 2.8.14 - Status Screen While Task Reassignment is Attempted

Screen 2.8.15 - Task Reassignment Failure Message

This screen informs the user that his attempt at reallocation was unsuccessful based on the sequence constraints. The user may override the constraints or accept the failure and try another alternative.

User Actions

1. <ENTER> - Indicates that user accepts failure. Next screen is 2.8.13.

2. <CTRL-O> - Causes the system to override the sequence constraint and the system makes the reassignment. Next screen is 2.8.12 with the reassigned task eliminated from the list. However, the task is not finally reassigned until it is saved in screen 2.8.20.

PATH: MDA> WAA> REASSIGN> MANUAL

MODE: WORK

Select Review Accept

Select task for potential reassignment

Pilot Tasks
1. Manipulate cyclic
2. Monitor radio
3. look for threats

Job Name	Total Workload at this time in the simulation V	A	C	P	Total Workload if this task is reassigned V	A	C	P
1. copilot	2	1	2	2	3	4	4	2
			1	3	3	5	3	3

REASSIGNMENT FAILURE
Task cannot be reassigned because of sequence constraints
Press Enter to continue
or
hit CTRL-O to override and reassign the task anyway.

as who are able to perform
slisted.
task sequencing are not
hil an attempt is made to
reassign the task.
Hit the return key to attempt reassignment
of this task to this job

Screen 2.8.15 - Task Reassignment Failure Message

Screen 2.8.16 - Task Reassignment Successful Message

This screen informs the user that the task reassignment was successful and that he/she should rerun the simulation at some point to ensure the adequacy of the reassignment in the overall mission.

User Action

1. <ENTER> or <ESC> - Next screen is 2.8.12 with the reassigned task eliminated from the list. However, the task is not finally reassigned until acceptance using Screen 2.8.20.

PATH: MDA) WAA) REASSIGN) MANUAL MODE: WORK

Select Review Accept

Select task for potential reassignment

Pilot Tasks
1. Manipulate cyclic
2. Monitor radio
3. look for threats

Job Name	Total Workload at this time in the simulation V	A	C	P	Total Workload if this task is reassigned V	A	C	P
1. copilot	2	1	2	2	3	4	4	2
			1	3	3	5	3	3

REASSIGNMENT SUCCESSUL

*** WARNING ***

To be certain that this task reassignment is reasonable, you should rerun the simulation

as who are able to perform
slisted.
task sequencing are not
hil an attempt is made to
reassign the task.
Hit the return key to attempt reassignment
of this task to this job

Screen 2.8.16 - Task Reassignment Successful Message

Screen 2.8.17 - Review the Task Reassignment

This screen permits the user to review a network drawing of the task reassignment prior to final acceptance.

User Actions

Using normal edit keys and procedures

1. <ENTER> - Next screen is 2.8.18

2. Select - Next screen is 2.8.12

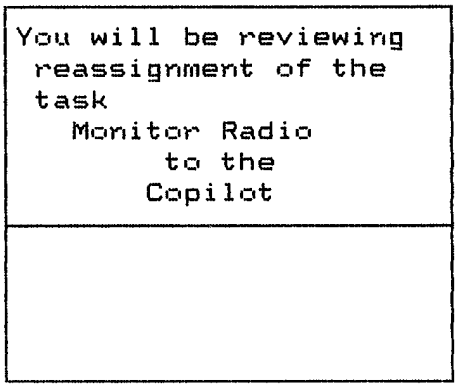
3. Accept - Next screen is 2.8.20

4. <ESC> - Next screen is 2.8.11

PATH: MDA) WAA) REASSIGN) MANUAL MODE: WORK

Select Review Accept

Review potential task reassignment



Screen 2.8.17 - Review the Task Reassignment

Screen 2.8.18 - Review and Preliminarily Accept Task Reallocation or Change Task Sequence

This screen presents the user with a network drawing for the reallocated task to its new job. The user may tentatively accept this reallocation or change the new task's sequence.

User Action

1. <Return> or "A" - Indicates user does not wish to change task sequence for the inserted tasks . However, the task is not finally reassigned until acceptance using Screen 2.8.20. Next screen is 2.8.17.

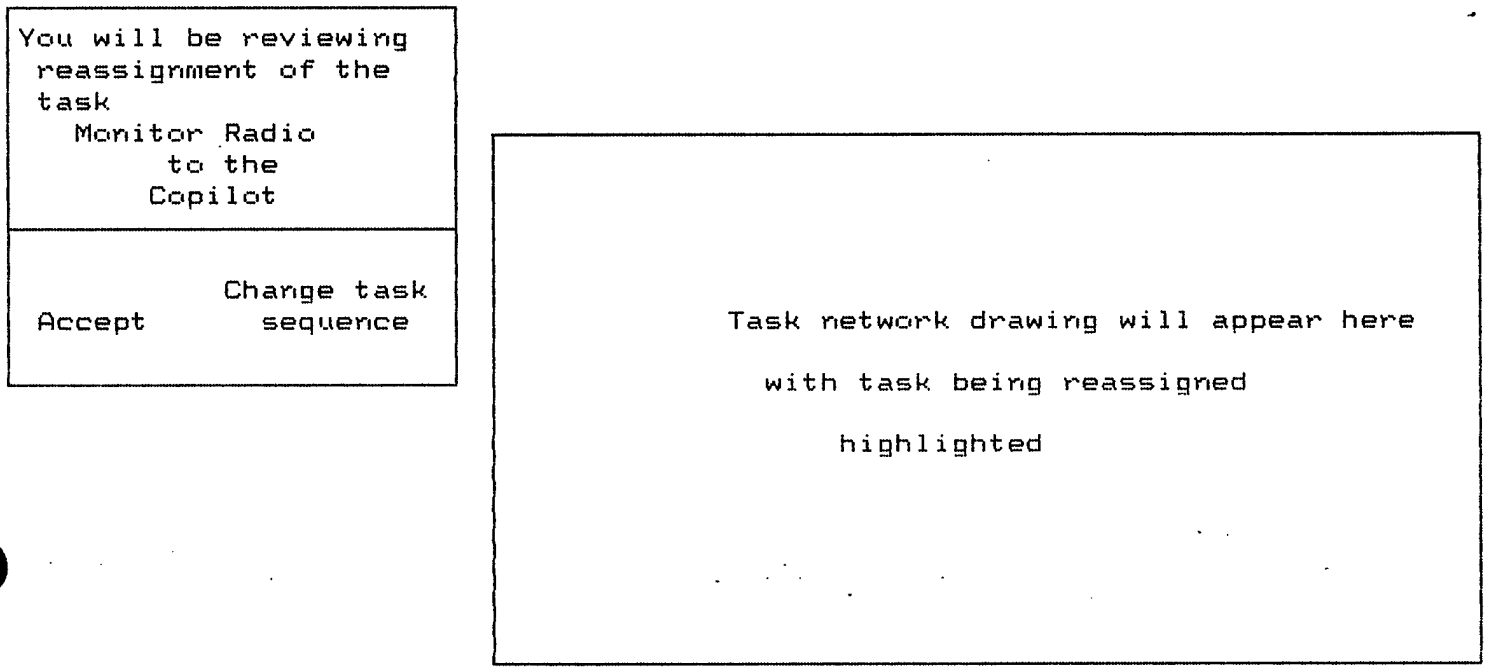
2. <Right Arrow> and <ENTER> or "C" - Next screen is 2.8.19

3. <ESC> - Next screen is 2.8.17

PATH: MDA) WAA) REASSIGN) MANUAL MODE: WORK

Select Review Accept

Review potential task reassignment



Screen 2.8.18 - Review and Preliminarily Accept Task Reallocation or Change Task Sequence

Screen 2.8.19 - Change Task Sequence of Reassigned Task

This screen permits the user to move the reassigned task around in the task network of the job to which it has been assigned.

User Actions

1. The reassigned task will be highlighted by color coding. The user, through the use of the arrow keys will be able to "move" the task to change precedence relationships. Illegal moves, based on the task sequence constraints, will be presented to the user in a warning message. Next screen is this screen modified appropriately.

2. <ENTER> - Tells the system to accept the new task sequencing. Next screen is 2.8.20.

3. <ESC> - Next screen is 2.8.18

PATH: MDA) WAA) REASSIGN) MANUAL MODE: WORK

Select Review Accept

Review potential task reassignment

You will be reviewing reassignment of the task Monitor Radio to the Copilot
Accept Change task sequence

Task network drawing will appear here

with task being reassigned

highlighted

Use the cursor keys to move the reassigned task to change sequence. Press Enter when done.

Screen 2.8.19 - Change Task Sequence of Reassigned Task

Screen 2.8.20 - Accept or Reject the Task Reassignment

This screen is another opportunity for the user to reject the task reassignment. If the user accepts the reassignment, it will be stored in the temporary task data file until the entire package of task reassignments is accepted or rejected at the end of this step.

User Actions

1. <ENTER> or "A" - Causes the system to finally accept the task reassignment. The next screen is 2.8.11.

2. <Right Arrow> and <ENTER> or "R" - Causes the system to reject the task reassignment. The next screen is 2.8.11.

3. <ESC> - Next screen is 2.8.11

PATH: MDA) WAA) REASSIGN) MANUAL MODE: WORK

Select Review Accept

Accept the task reassignment with or without changes in task sequencing

You will be accepting reassignment of the task Monitor radio to the Copilot
Accept Reject

Screen 2.8.20 - Accept or Reject the Task Reassignment

Screen 2.8.21 - Manual Reassignment for Tasks Based on Points where Function Time Limits have Been Exceeded

When the time required by a job to perform a function exceeds the total amount of time that the function is permitted to take (based on SPREA requirements or other input), tasks will need to be reassigned to another job which are not on the "critical path" for that function. This screen permits the user to reallocate tasks based upon this need as well as to estimate the effects of task reallocations on other jobs.

User Actions

1. The user can use the <Up arrow> and <Down arrow> keys to select the task that he/she wishes to reassign. Note that only tasks which are on the critical path will be displayed. Upon selecting a task and pressing <ENTER>, the next screen will be 2.8.22.

2. <ESC> - Next screen is 2.8.8

PATH: MDA)WAA)REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Reassign tasks between jobs

MANUAL REASSIGNMENT POINT OF FUNCTION TIME LIMITS EXCEEDED

Function name - Identify target

Excessive time taken by the job of Copilot

Time required = 7.3 seconds Time allowed = 6.0 seconds

The following tasks are on the critical path

Task	average time
Identify target class	2.5
Enter target class	1.5
Identify target range	2.0
Enter target range	1.2

The other jobs have the following slack time during this function

Pilot	NONE
Crew chief	1.5
Loader	6.0

Use the cursor to select a task to reassign to another job or hit ESC to stop reassignment at this point

Screen 2.8.21 - Manual Reassignment for Tasks Based on Points where Function Time Limits have Been Exceeded

Screen 2.8.22 - Selection of Job for Task Reassignment

Once the task to be reassigned has been selected, the user must select the job to which it will be reassigned. Then, the system will recompute slack time for the reassigned job as well as recompute the amount of excessive time remaining.

User Actions

1. The user can use the <Up arrow> and <Down Arrow> keys to select the job to which the task will be reassigned. Then, upon pressing <ENTER>, the system will attempt to make the reassignment. However, the system will also check to ensure that the task can be transferred to the candidate job based on both accessability constraints and sequence constraints. If the reassignment of the task is successful, the next screen is screen number 2.8.24. If the reassignment is unsuccessful, the next screen is number 2.8.23.

2. <ESC> - Next screen is 2.8.21.

PATH: MDA) WAA) REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Reassign tasks between jobs

MANUAL REASSIGNMENT POINT OF FUNCTION TIME LIMITS EXCEEDED

Function name - Identify target

Excessive time taken by the job of Copilot

Time required = 7.3 seconds Time allowed = 6.0 seconds

The following tasks are on the critical path

Task	average time
Identify target class	2.5
Enter target class	1.5
Identify target range	2.0
Enter target range	1.2

The other jobs have the following slack time during this function

Pilot	NONE
Crew chief	1.5
Loader	6.0

Use the cursor to select the job to assign this task to

Screen 2.8.22 - Selection of Job for Task Reassignment

Screen 2.8.23 - Reassignment Failure for Excessive Time

This screen tells the user that the attempted task reassignment was unsuccessful based on accessability constraints or sequence constraints. Sequence constraints can be overridden, accessability constraints cannot.

User Actions

1. If it is a sequence constraint violation, <CTRL-O> will override the constraint, cause the system to store the task reallocation onto the temporary task data file, and the next screen will be 2.8.24.

2. If it is an accessability constraint violation or if the user does not wish to override the sequence constraint violation the he must press <ENTER> or <ESC> to get screen 2.8.23.

PATH: MDA)WAA)REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Reassign tasks between jobs

MANUAL REASSIGNMENT POINT OF FUNCTION TIME LIMITS EXCEEDED

Function name - Identify target

Excessive time taken by the job of Copilot

Time required = 7.3 seconds Time allowed = 6.0 seconds

The following tasks are on the critical path

Task	average time
Identify target class	2.5
Enter target class	1.5
Identify target range	2.0
Enter target range	1.2

The other jobs have the following slack time during this function

Pilot	NONE
Crew chief	1.5
Loader	6.0

REASSIGNMENT FAILURE - Task cannot be reassigned because this job does not have access to the necessary controls or displays.

Hit return to continue.

Screen 2.8.23 - Reassignment Failure for Excessive Time

Screen 2.8.24 - Reassignment Success for Excessive Time

This screen informs the user that the task reassignment did not violate any accessability or sequence constraints. Additionally, it adjusts the numbers for 1) excessive time (for the job from which the task was taken) and 2) slack time in each of the other jobs. These adjusted times are estimates based on simple subtraction and do not consider other potential critical paths in the function nor other confounding matters associated with the probabilistic aspects of the simulation. The user is encouraged to rerun the simulation to be certain of all task reassignments.

User Actions

1. <ENTER> or "R" - User can reassign more tasks. Next screen is 2.8.21.

2. <Right arrow> and <ENTER> or "P" - System will proceed to the next point at which excessive time requirements exist. Next screen is 2.8.21 for the new function.

3. <ESC> - Next screen is 2.8.21 with no task reassignment performed for this function (e.g., user gets to start again for this function).

PATH: MDA) WAA) REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Reassign tasks between jobs

MANUAL REASSIGNMENT POINT OF FUNCTION TIME LIMITS EXCEEDED

Function name - Identify target

Excessive time taken by the job of Copilot

Estimated time required = 5.8 seconds Time allowed = 6.0 seconds

The following tasks may be on the critical path

Task	average time
Identify target class	2.5
Identify target range	2.0
Enter target range	1.2

The other jobs may have the following slack time during this function

Pilot	NONE
Crew chief	NONE
Loader	6.0

REASSIGNMENT SUCCESSFUL

The numbers above have been changed to reflect new estimates.

The simulation should be rerun to ensure this assignment.

Reassign more tasks Proceed to next point of exceesive time

Screen 2.8.24 - Reassignment Success for Excessive Time

Screen 2.8.25 - Automatic Assignment with Review Status

This screen tells the user the status of the automatic reassignment at points when no user input is required.

User Action

1. <ESC> - Next screen is 2.8.9

2. When there are no more requirements for task reassignment, the next screen is 2.8.27.

PATH: MDA)WAA)REASSIGN MODE: WAIT

Mode Select Priority Reassign View Print Save

Reassign tasks between jobs

AUTOMATIC REASSIGNMENT WITH REVIEW - Workload Priority

Currently reviewing the workload of the Pilot
Simulation time - 322 out of 626 seconds

Screen 2.8.25 - Automatic Assignment with Review Status

Screen 2.8.26 - Automatic Assignment with Review - Accept or Reject Candidate Assignment

This screen presents a network drawing of a candidate task reassignment to the user. The user may then accept or reject the reassignment.

User Action

1. <ENTER> or "A" - The system will then store the task reassignment into the temporary task data file. The next screen is 2.8.25.

2. <Right arrow> and <ENTER> or "R" - The system will reject the task reassignment. The system will continue to look for alternative reassignments and present these to the user. In this condition, the next screen is this screen with the network drawing modified appropriately. When no possible reassignments are left, the system will simply move on to the next point of overload or excessive time requirements. In this situation, the next screen is 2.8.25.

3. <ESC> - Next screen is 2.8.9

PATH: MDA)WAA)REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Reassign tasks between jobs

AUTOMATIC REASSIGNMENT WITH REVIEW - Workload Priority

Currently reviewing the workload of the Pilot
Simulation time - 354 out of 626 seconds

CANDIDATE REASSIGNMENT

Reassign the task of Enter target class from the Pilot to the Crew chief in accordance with the this network

Accept this reassignment

Reject this reassignment

NETWORK DRAWING INCLUDING THE REASSIGNED TASK AS WELL AS PRECEEDING AND SUCCEEDING TASKS

Screen 2.8.26 - Automatic Assignment with Review - Accept or Reject Candidate Assignment

Screen 2.8.27 - Task Reassignment Complete - Summary Statistics

This screen presents the user with summary statistics describing the task reallocations. The example here is with Automatic Assignment with Review, but a similar screen would be presented for any mode of task reassignment.

User Actions

1. <ESC> or <ENTER> - Next screen is 2.8.9

PATH: MDA) WAA) REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Reassign tasks between jobs

AUTOMATIC REASSIGNMENT WITH REVIEW - Workload Priority

REASSIGNMENT COMPLETE

Matrix Describing Number of Task Reassignments

		Task given to: Pilot	Copilot	Crew chief	Loader
Task taken from	Pilot	x	4	15	2
	Copilot	6	x	2	11
	Crewchief	1	2	x	8
	Loader	0	0	2	x

Screen 2.8.27 - Task Reassignment Complete - Summary Statistics

Screen 2.8.28 - Automatic Reassignment Without Review Status Screen

This screen presents the user with a status report of task reassignment when the system is in the automatic reassignment mode.

User Actions

1. <ESC> - Next screen is 2.8.10

2. When all tasks have been reassigned that can be, the next screen is 2.8.27.

PATH: MDA)WAA)REASSIGN MODE: WAIT

Mode Select Priority Reassign View Print Save

Reassign tasks between jobs

AUTOMATIC REASSIGNMENT WITHOUT REVIEW - Workload Priority

Currently reviewing the workload of the Pilot
Simulation time - 354 out of 626 seconds

Matrix Describing Number of Task Reassignments to this point

		Task given to: Pilot	Copilot	Crew chief	Loader
Task taken from	Pilot	x	2	6	0
	Copilot	4	x	1	8
	Crewchief	1	0	x	5
	Loader	0	0	1	x

Screen 2.8.28 - Automatic Reassignment Without Review Status Screen

Screen 2.8.29 - Begin View of all Task Reassignments

This screen describes the total number of task reassignments that have been made. He can begin viewing each of these reassignments from this screen.

User Actions

Using normal edit keys and procedures

From the first level popup

1. <ENTER> - Will begin the viewing of reassigned tasks. Next screen is 2.8.30.

From the menubar

2. Mode - Next screen is 2.8.2

3. Select - Next screen is 2.8.3

4. Priority - Next screen is 2.8.4

5. Reassign - Next screen is 2.8.8, 2.8.9, or 2.8.10 if the mode is manual, automatic with review, or automatic without review, respectively.

6. Print - Next screen is 2.8.31

7. Save - Next screen is 2.8.35

Other

8. <ESC> - Next screen is 2.8.1

PATH: MDA) WAA) REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

View task network drawings of task reassignments

There have been a total of 37 task reassignments.

Screen 2.8.29 - Begin View of all Task Reassignments

Screen 2.8.30 - Presentation of a Task Reassignment

This screen presents a task reassignment to the user for review. The user again has the option of rejecting this reassignment.

User Actions

1. <ENTER> or "A" - Assignment will be accepted and kept on the temporary task data file. Next screen is this screen with the next reassignment displayed unless there are no more reassignments when screen 2.8.29 is displayed.

2. <Right arrow> and <ENTER> or "C" - This assignment will be cancelled and the temporary task data file modified accordingly. Next screen is this screen unless there are no more reassignments when screen 2.8.29 is displayed.

3. <ESC> - Next screen is 2.8.29

PATH: MDA)WAA)REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

View task network drawings of task reassignments

TASK REASSIGNMENT 1 of 37
Within the function of Identify Target The task of Identify target class was reassigned from the Pilot to the Loader
NETWORK AT THIS POINT TASK NETWORK DRAWING FOR THE LOADER WITH THE REASSIGNED TASK IN THE CENTER WILL APPEAR HERE
Accept this reassignment and proceed — Cancel the reassignment and proceed

Screen 2.8.30 - Presentation of a Task Reassignment

Screen 2.8.31 - Print Task Reassignments

This screen permits the user to print all task assignments or only those tasks which were reassigned.

User Actions

Using normal edit keys and procedures

From the first level popup

1. <ENTER> - Indicates to system that only reassigned tasks will be printed. The Next screen is 2.8.32

2. <Down Arrow> and <ENTER> - Indicates to the system that all tasks should be printed. The next screen is 2.8.32 except that line two of the first level popup is highlighted.

From the menubar

3. Mode - Next screen is 2.8.2

4. Select - Next screen is 2.8.3

5. Priority - Next screen is 2.8.4

6. Reassign - Next screen is 2.8.8, 2.8.9, or 2.8.10 if the mode is manual, automatic with review, or automatic without review, respectively.

7. Save - Next screen is 2.8.35

Other

8. <ESC> - Next screen is 2.8.1

PATH: MDA) WAA) REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Print task reassignments

OPTIONS
1. Print only task reassignments
2. Print all task assignments

Screen 2.8.31 - Print Task Reassignments

Screen 2.8.32 - Selection of Printout of Task Lists or Network Drawings

From this screen, the user may elect to printout simply task lists or task lists plus network drawings. Also, this screen initiates the printing process.

User Actions

From the second level popup

1. <ENTER> - Will begin printing of only lists of tasks (either only reassigned tasks or all tasks depending upon what is highlighted on the first level popup).

2. <Down arrow> and <ENTER> - Will begin printing both task lists and network drawings (either only reassigned tasks or all tasks depending upon what is highlighted on the first level popup).

Other

3. <ESC> - Next screen is 2.8.31

PATH: MDA)WAA)REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Print task reassignments

OPTIONS
1. Print only task reassignments
2. Print all task assignments

1. Task lists by jobs only
2. Task lists and network drawings

Screen 2.8.32 - Selection of Printout of Task Lists or Network Drawings

Screen 2.8.33 - Printing Status

This screen simply tells the user that the printing process is underway.

User Actions

1. <ESC> - User will be prompted as to whether they really do intend to stop printing and, if so, next screen is 2.8.32.

2. When printing is complete, next screen is 2.8.34.

PATH: MDA)WAA)REASSIGN MODE: WAIT

Mode Select Priority Reassign View Print Save

Print task reassignments

OPTIONS
1. Print only task reassignments
2. Print all task assignments

1. Task lists by jobs only
2. Task lists and network drawings

PRINTING

Screen 2.8.33 - Printing Status

Screen 2.8.34 - Printing Complete

This screen informs the user that all printing has been completed.

User Actions

1. <ESC> or <ENTER> - Next screen is 2.8.31.

PATH: MDA) WAA) REASSIGN MODE: WAIT

Mode Select Priority Reassign View Print Save

Print task reassignments

OPTIONS
1. Print only task reassignments
2. Print all task assignments

1. Task lists by jobs only
2. Task lists and network drawings

PRINTING COMPLETE

Screen 2.8.34 - Printing Complete

Screen 2.8.35 - Save the Revised Task Assignments

This screen is the final step in replacing the contents of the permanent Task Data File with the contents of the Temporary Task Data File. Throughout this entire step, the Task Data File which was used to generate this simulation has not changed, only the contents of a Temporary Task Data file. At this screen, the user can elect to replace the Task Data File with the Temporary Task Data File which includes all revisions to task assignments to jobs as well as changes to task sequencing. The user may also wish to create a new Task Data File under a different name, thereby keeping the original Task Data File intact should he/she wish to use it again later.

User Actions

Using normal edit keys and procedures

From the first level popup

1. Insert - Indicates that the user wants to create a new Task Data File. Next screen is 2.8.36.

2. Replace - System will replace the highlighted Task Data File with the contents of the Temporary Task Data File.

From the menubar

3. Mode - Next screen is 2.8.2

4. Select - Next screen is 2.8.3

5. Priority - Next screen is 2.8.4

6. Reassign - Next screen is 2.8.8, 2.8.9, or 2.8.10 if the mode is manual, automatic with review, or automatic

without review, respectively.

7. Print - Next screen is 2.8.31

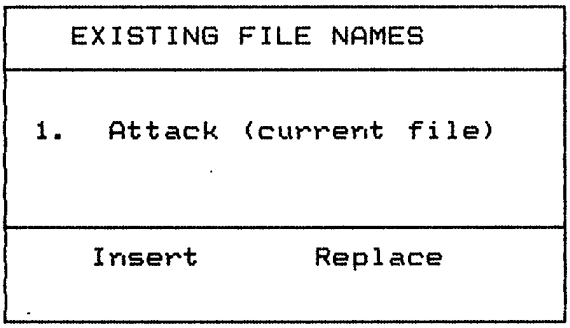
Other

8. <ESC> - Next screen is 2.8.1

PATH: MDA)WAA)REASSIGN MODE: WORK

Mode Select Priority Reassign View Print Save

Save the new task assignments in a new scenario file



Screen 2.8.35 - Save the Revised Task Assignments

Screen 2.8.36 - Enter File Name for a New Task Data File

This screen prompts the user for a new Task Data File name under which the Temporary Task Data File will be permanently stored.

User Actions

Using normal edit keys and procedures

1. The user may enter the new file name which can be any legal DOS prefix name. Upon pressing <ENTER>, the system will check for the uniqueness of the name and then, if it is unique, store the data accordingly. The next screen is 2.8.35.

2. <ESC> - Next screen is 2.8.35

PATH: MDA)WAA)REASSIGN MODE: W

Mode Select Priority Reassign View Print Save

Save the new task assignments in a new scenario file

EXISTING FILE NAMES
1. Attack (current file)
Insert Replace

Enter file name (8 character

Screen 2.8.36 - Enter File Name for a New Task Data File

Working Paper

DESIGN SPECIFICATION FOR (MPT)2 PRODUCT 5

MANPOWER DETERMINATION AID

VOLUME III

Prepared By:

Micro Analysis and Design
and
Dynamics Research Corporation

1 January 1988

U.S. Army Research Institute
for the Behavioral and Social Sciences
5001 Eisenhower Avenue, Alexandria VA 22333

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PRODUCT 5

MANPOWER DETERMINATION AID

SOFTWARE SPECIFICATION

Prepared for:

U.S. Army Research Institute for
the Behavioral and Social Sciences
5001 Eisenhower Avenue
Alexandria, Virginia 22333

Written by:

R. Laughery
R. Archer
G. Fontenelle

Micro Analysis and Design
9132 Thunderhead Drive
Boulder, Colorado 80302
(303) 442-6947

30 December 1987

PRODUCT 5: MANPOWER DETERMINATION AID

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SECTION 4 - DESCRIPTION OF LIBRARIES

4.1 Overview

The automated components of the Product 1 Manpower Determination Aid reside in the MDA Applications Manager and consist of data libraries, data files, MDA templates, Micro SAINT models, and the MDA applications software. The remaining sections of this document present detailed descriptions and specifications for each of these components.

The analyst will be able to access the data libraries through the MDA software to pull up missions, functions, tasks, and component maintenance parameters that are comparable to the ones for which the system being evaluated is intended.

There are two basic types of libraries that will be accessed by the MDA software. The first type are the Taxonomy Libraries. These consist of generic categorical information that will be available to the analyst for identifying missions and conditions, systems, functions, and equipment. The second type are designated as Comparable System Libraries consisting of actual historical performance data collected from fielded systems. The Comparable System Libraries will be use by the analyst to determine baseline performance estimates for operations and maintenance of the system under evaluation.

There are ten data libraries, each of which is discussed in detail in the next sub-section. The data that will be included in the Taxonomy Libraries has already been developed and is included with the detailed descriptions. Data that will be included in the Comparable System Libraries has either not yet been developed or has only been partially developed. However, we have included examples of available historical data from which the Comparable System Libraries will be developed in Appendicies A and C. A list of data libraries is included in Table 4-1.

Table 4-1

List of MDA Library Files

Taxonomy Libraries	Section	Page
Missions by System Type	4.2.1	4-3
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4.2 DESCRIPTIONS OF LIBRARY FILE STRUCTURES AND DATA

4.2.1 - Missions by System Type

This library will contain a list of all the missions for each System Type. The missions will be sorted alphabetically by System Type. The System Types will be grouped by Mission Area. This structure will allow the user to locate a Mission Area, System Type, or a Mission easily.

The information that is attached to the mission (e.g. composite tasks and sequencing data, threat characteristic data, etc.) will be referenced by mission name and code. Thus, each mission could have a variety of different conditions sets or threat possibilities.

INFANTRY AND ARMOR SYSTEM MISSIONS

SYSTEM MISSIONS
Destroy enemy troops
Destroy fixed emplacements
Destroy enemy armored vehicles
Delay and suppress enemy activity
Escort/screen friendly forces
Seize and Occupy Terrain
Perform Reconnaissance
Transport Combat Troops

Above missions would apply to following system types:

-infantry fighting vehicles
-antitank vehicles
-man-portable direct fire weapons
-tanks
-calvary fighting vehicles

Notes: Not all missions would be applicable to all system types. Missions for man-portable indirect fire infantry weapons (i.e, mortars) are reported under the fire support missions.

FIRE SUPPORT SYSTEM MISSIONS

SYSTEM MISSIONS

Destroy enemy manuever forces (close support fires)

Destroy enemy fire support forces (counterfire)

Delay and suppress enemy activity (interdiction)

Provide illumination

Conceal friendly forces by making smoke

Above missions would apply to following system types:

-Medium range missile artillery systems

-Towed howitzers

-Self-propelled howitzers

-Rocket systems

-Man-portable indirect fire systems (mortars)

Notes: Not all missions would be applicable to all system types

AIR DEFENSE MISSIONS

SYSTEM MISSIONS

Destroy enemy aircraft

Destroy enemy (ground) troops

Destroy enemy armored vehicles

Above missions would apply to following system types:

-mobile gun systems -man-portable air defense systems

Notes: Not all missions would be applicable to all system types.

AVIATION SYSTEM MISSIONS

SYSTEM MISSIONS
Destroy enemy troops
Destroy enemy fixed emplacements
Destroy enemy armored vehicles
Destroy enemy helicopters
Delay/suppress enemy activity
Escort/screen friendly forces
Perform reconnaissance
Transport combat troops
Transport logistical supplies
Evacuate Casualties

Above missions would be apply to following system types:
-attack helicopter
-cargo helicopter
-utility helicopter
-scout helicopter

Notes: Not all missions would be applicable to all system types.

SYSTEM MISSIONS FOR TRANSPORT TRUCKS

SYSTEM MISSIONS
-Transport personnel
-Transport cargo

Above missions are for following system types:
-Light cargo trucks
-Heavy cargo trucks

Note: Only transport missions and functions will be included. Trucks could be mounted with various attachments (e.g., winches) which would add missions but these missions and/or functions are not included.

4.2.2 - Functions and Tasks by System Type

The Function Library will be similar to the Mission Library. It will include a taxonomy of all functions and their composite tasks. The Function Library will be sorted in alphabetical order within each System Type. The System Types will be grouped by Mission Area.

OPERATIONAL FUNCTIONS FOR INFANTRY FIGHTING VEHICLES, CAVALRY FIGHTING VEHICLES, ANTI-TANK VEHICLES & TANKS

1. PLAN AND PREPARE MISSION
   - Receive/Review Order
   - Adjust/Boresight Weapon System
   - Adjust/Inspect Other Systems
   - Enter Data onto Onboard Computers
   - Prepare for NBC Environment

2. EXECUTE MOVEMENT
   - Start Engine
   - Check Controls/Instruments
   - Perform non-Tactical Movement
   - Perform Tactical Movement
   - Perform Water Crossing

3. EXECUTE MANEUVER
   - Perform Evasive Maneuvers
   - Move to Cover
   - Negotiate Obstacles
   - Employ Smoke Screen
   - Move Into Firing Position
   - Move Out of Firing Position

4. NAVIGATE
   - Identify Present Location
   - Identify Destination
   - Select Travel Route
   - Estimate Time of Arrival and Fuel Requirements
   - Identify Terrain Features
   - Use Instruments (i.e. Compass) to Select Correct Heading

5. COMMUNICATE
   - Transmit/Receive Messages

- Encode/Decode Messages
- Use Counter Measure Procedures
- Relay Messages
- Obtain Line of Signal

6. ACQUIRE TARGETS
   - Search for Targets
   - Detect/Locate Targets
   - Identify Friend or Foe
   - Identify/Locate Sources of Enemy Fire

7. ENGAGE TARGETS
   - Select Target(s)
   - Select Weapon and Ammo
   - Aim/Sight Weapon
   - Track Target
   - Fire Weapon
   - Adjust Fire
   - Assess Damage

8. OCCUPY DEFENSIVE POSITION
   - Select Position
   - Camouflage Position
   - Improve Cover
   - Select Reference Points
   - Develop Range Cards
   - Coordinate with Adjacent Vehicles/Personnel

9. CALL FOR/ADJUST SUPPORTING FIRE
   - Call For/Adjust Artillery/Mortar Fire
   - Call For/Adjust Aerial Fire
   - Adjust Tank/Other Fighting Vehicle Fire

10. TRANSPORT COMBAT TROOPS
   - Load Troops/Equipment
   - Secure Troops/Equipment

- Unload Troops/Equipment

11. COMPENSATE FOR EQUIPMENT MALFUNCTIONS & EMERGENCIES
    - Identify Malfunction
    - Identify Source of Malfunction
    - Compensate for Malfunction/Execute Emergency Procedures
    - Evacuate Vehicle (if appropriate)

12. PERFORM POST OPERATIONS TASKS
    - Shut Down Engine
    - Power Down Other Systems
    - Perform Checks

OPERATIONAL FUNCTIONS FOR RIFLES

1. CONDUCT PRE-OPERATIONAL INSPECTION

2. PREPARE WEAPON FOR FIRING
   - Assemble Weapon
   - Mount Sight
   - Zero Sight

3. GET INTO FIRING POSITION
   - Load Weapon
   - Select Type of Fire
   - Select Firing Position
   - Get Into Firing Position

4. DETECT/LOCATE TARGETS
   - Search for Target
   - Detect/Locate Target
   - Identify Friend or Foe

5. FIRE WEAPON
   - Determine Target Range
   - Select Target
   - Aim/Sight Weapon
   - Fire Weapon
   - Adjust/Fire
   - Unload

6. PERFORM POST FIRING TASKS
   - Get out of firing position
   - Perform Post-Operation Checks
   - Dismount Sight

7. CLEAR/RECOVER FROM MISFIRE

OPERATIONAL FUNCTIONS FOR GRENADE LAUNCHERS

1. CONDUCT PRE-OPERATIONAL INSPECTION

2. PREPARE WEAPON FOR FIRING
   - Assemble Weapon
   - Mount Sight
   - Zero Weapon
   - Zero Sight

3. GET INTO FIRING POSITION
   - Load Weapon
   - Select Type of Fire
   - Select Firing Position
   - Get Into Firing Position

4. DETECT/LOCATE TARGETS
   - Search for Target
   - Detect/Locate Target
   - Identify Friend or Foe

5. FIRE WEAPON
   - Determine Target Range
   - Select Target
   - Aim/Sight Weapon
   - Fire Weapon
   - Adjust/Fire
   - Unload

6. PERFORM POST FIRING TASKS
   - Get out of firing position
   - Perform Post-Operation Checks
   - Disassemble Weapon
   - Dismount Sight

7. CLEAR/RECOVER FROM MISFIRE

OPERATIONAL FUNCTIONS FOR MAN-PORTABLE ANTI-TANK WEAPONS

1. CONDUCT PRE-OPERATIONAL INSPECTION

2. PREPARE WEAPON FOR FIRING
   - Assemble Round
   - Mount Tracker

3. GET INTO FIRING POSITION
   - Select Firing Position
   - Get Into Firing Position

4. DETECT/LOCATE TARGETS
   - Search for Target
   - Detect/Locate Target
   - Identify Friend or Foe

5. FIRE WEAPON
   - Determine Target Range
   - Select Target
   - Aim/Sight Weapon
   - Fire Weapon
   - Track Target

6. PERFORM POST FIRING TASKS
   - Get out of firing position
   - Disassemble Weapon

7. CLEAR/RECOVER FROM MISFIRE

OPERATIONAL FUNCTIONS FOR AUTOMATIC WEAPONS

1. CONDUCT PRE-OPERATIONAL INSPECTION

2. PREPARE WEAPON POSITION

3. PREPARE WEAPON FOR FIRING
   - Assemble Weapon
   - Mount Sight
   - Zero Weapon
   - Zero Sight

4. GET INTO FIRING POSITION
   - Load Weapon
   - Select Type of Fire
   - Select Firing Position
   - Get Into Firing Position

5. DETECT/LOCATE TARGETS
   - Search for Target
   - Detect/Locate Target
   - Identify Friend or Foe

6. FIRE WEAPON
   - Determine Target Range
   - Select Target
   - Aim/Sight Weapon
   - Fire Weapon
   - Adjust/Fire
   - Unload

7. PERFORM POST FIRING TASKS
   - Get out of firing position
   - Remove aiming stakes
   - Perform Post-Operation Checks

Disassemble Weapon
Dismount Sight

8. CLEAR/RECOVER FROM MISFIRE

OPERATIONAL FUNCTIONS FOR MAN-PORTABLE INDIRECT FIRE INFANTRY WEAPONS (MORTARS)

1. PERFORM PRE-OPERATIONAL CHECKS

2. PREPARE POSITION

3. PREPARE MORTAR FOR FIRING
   - Assemble Mortar
   - Lay Mortar
   - Boresight Mortar
   - Perform Pre-Fire Checks

4. FIRE MORTAR AT INDIRECT FIRE TARGETS
   - Receive Firing Order
   - Prepare Ammunition for Firing
   - Set Elevation and Deflection
   - Load Mortar
   - Fire Mortar

5. FIRE MORTAR AT DIRECT FIRE TARGETS
   - Identify Target
   - Select Target
   - Point Mortar at Target
   - Prepare Ammunition for Firing
   - Load Mortar
   - Aim Mortar
   - Fire Mortar
   - Adjust Fire

6. PERFORM POST-FIRING TASKS
   - Perform Post-Operation Checks
   - Disassemble Weapon
   - Displace Aiming Posts

7. CLEAR/RECOVER FROM MISFIRE

OPERATIONAL FUNCTIONS FOR MEDIUM RANGE MISSILE ARTILLERY SYSTEMS
(Assumes Missile is on Self Propelled Launcher)

1. PREPARE FOR MARCH ORDER
   Receive March Order
   Receive Weapon from Assembly and Transport Section
   Prepare Self-Propelled Launcher (SPL) for Movement
   Ensure Firing Point is Surveyed

2. MOVE TO FIRING POINT
   Start Engine
   Perform Pre-Operational Vehicle Check
   Drive SPL

3. NAVIGATE
   Identify Present Location
   Identify Destination
   Select Travel Route
   Estimate Time of Arrival and Fuel Requirements

4. COMMUNICATE
   Transmit/Receive Messages
   Encode/Decode Messages
   Communicate Using Countermeasure Procedures

5. EMPLACE SYSTEM
   Position SPL Over Launch Stake
   Shut Down Vehicle
   Prepare Vehicle For Firing Mode
   Inspect Main Missile Assembly (MMA) and Warhead Section (WHS) for Damage
   Release tie down straps, release traverse, and lockpins

6. PREPARE WEAPON FOR FIRING
   Receive Firing Data
   Turn on Monitor-Programmer

Conduct self test
Lay/sight weapon
Remove protective covers

7. FIRE WEAPON
   Arm WHS
   Insert WHS Settings
   Move Firing Device to Firing Pit
   Elevate Missile
   Place Selector in Launch Position
   Clear Area
   Fire Missile

8. CONDUCT POST FIRING INSPECTIONS

9. EXECUTE FAILURE TO FIRE PROCEDURES
   Lower Launcher
   Safe the WHS
   Disconnect Firing Device
   Reorient Launcher
   Obtain new orientation from remote theodolite

10. COMPENSATE FOR EQUIPMENT MALFUNCTIONS AND EMERGENCIES
   Identify Malfunction
   Identify Source of Malfunction
   Compensate For/Recover From Malfunction

11. PERFORM EMERGENCY DESTRUCTION OF WARHEAD
   Insert Command Disablement Code
   Set shape charge to warhead
   Evacuate Area
   Destroy warhead
   Verify destruction

12. DISPLACE SYSTEM
   Secure Launcher

Leave Position

OPERATIONAL FUNCTIONS FOR TOWED HOWITZERS

1. PREPARE FOR MARCH ORDER
   - Receive March Order
   - Perform Pre-Operational Checks
   - Perform Fire Control Alignment
   - Test Gunner's Quadrants

2. DRIVE/MOVE CANNON
   - Drive Vehicle(Non-tactical march)
   - Conduct Tactical March
   - Perform Water Crossing

3. EMPLACE CANNON
   - Uncouple cannon from vehicle
   - Select Position
   - Prepare Position
   - Emplace/Align Collimator
   - Emplace/Align Aiming Posts

4. DISPLACE CANNON
   - Recover Collimator
   - Recover Aiming Posts
   - Couple Cannon to Vehicle
   - Leave Position

5. PREPARE CANNON FOR FIRING
   - Set Up Aiming Circle
   - Establish Azimuth of the Orienting Line
   - Lay Weapon
   - Establish Aiming Points
   - Determine Site to Crest
   - Boresight Weapon/Telescopes
   - Emplace Azimuth Markers
   - Perform Prefire Checks
   - Prepare Range Card

6. FIRE CANNON
   - Receive Firing Order
   - Prepare Ammunition for Firing
   - Set Elevation and Deflection
   - Load Cannon
   - Fire Cannon
   - Unload Cannon

7. FIRE CANNON AT DIRECT FIRE TARGETS
   - Identify Target(s)
   - Select Target
   - Determine Target Range
   - Determine Target Lead
   - Select Ammunition
   - Load Ammunition
   - Aim/Sight Weapon
   - Fire
   - Unload Cannon

8. NAVIGATE
   - Identify Present Location
   - Identify Destination
   - Plot Travel Route
   - Estimate Time of Arrival and Travel Requirements

9. COMMUNICATE
   - Transmit/Receive Messages
   - Encode/Decode Messages
   - Communicate Using Countermeasure Procedures

10. DEFEND AGAINST ATTACK
   - Deploy to Cover
   - Evade Threat

11. COMPENSATE FOR EQUIPMENT MALFUNCTIONS AND EMERGENCIES

Clear Misfire on Cannon

12. CONDUCT POST-MISSION TASKS

Complete Forms

Perform Post-Operation Checks

OPERATIONAL FUNCTIONS FOR SELF-PROPELLED HOWITZERS

1. PREPARE FOR MARCH ORDER
   - Receive March Order
   - Perform Pre-Operational Checks
   - Perform Fire Control Alignment
   - Test Gunner's Quadrants
   - Prepare Vehicle/personnel for NBC environment

2. DRIVE/MOVE CANNON
   - Drive Vehicle
   - Conduct Tactical March
   - Perform Water Crossing

3. EMPLACE CANNON
   - Select Position
   - Prepare Position
   - Emplace/Align Collimator
   - Emplace/Align Aiming Posts

4. DISPLACE CANNON
   - Recover Collimator
   - Recover Aiming Posts
   - Leave Position

5. PREPARE CANNON FOR FIRING
   - Set Up Aiming Circle
   - Establish Azimuth of the Orienting Line
   - Lay Weapon
   - Establish Aiming Points
   - Determine Site to Crest
   - Boresight Weapon/Telescopes
   - Emplace Azimuth Markers
   - Perform Prefire Checks
   - Prepare Range Card

6. FIRE CANNON
   - Receive Firing Order
   - Prepare Ammunition for Firing
   - Set Elevation and Deflection
   - Load Cannon
   - Fire Cannon
   - Unload Cannon

7. FIRE CANNON AT DIRECT FIRE TARGETS
   - Identify Target(s)
   - Select Target
   - Determine Target Range
   - Determine Target Lead
   - Select Ammunition
   - Load Ammunition
   - Aim/Sight Weapon
   - Fire
   - Unload Cannon

8. FIRE CREW SERVED WEAPONS
   - Load Ammunition
   - Identify Target(s)
   - Select Target
   - Determine Target Range
   - Aim/Sight Weapon
   - Fire Weapon
   - Adjust Fire
   - Unload Weapon

9. NAVIGATE
   - Identify Present Location
   - Identify Destination
   - Plot Travel Route
   - Estimate Time of Arrival and Travel Requirements

10. COMMUNICATE

Transmit/Receive Messages
Encode/Decode Messages
Communicate Using Countermeasure Procedures

11. DEFEND AGAINST ATTACK
    Deploy to Cover
    Evade Threat

12. COMPENSATE FOR EQUIPMENT MALFUNCTIONS AND EMERGENCIES
    Identify Malfunction
    Identify Source of Malfunction
    Compensate/Recover from Malfunction
    Evacuate Vehicle
    Extinguish Fire
    Clear Misfire on Crew Served Weapon
    Clear Misfire on Cannon

13. CONDUCT POST-MISSION TASKS
    Complete Forms
    Perform Post-Operation Checks

OPERATIONAL FUNCTIONS FOR ROCKET FIELD ARTILLERY SYSTEMS

-TBD

OPERATIONAL FUNCTIONS FOR AIR DEFENSE - MOBILE GUN SYSTEM
(For self-propelled vehicle only)

1. PREPARE FOR MARCH ORDER
   - Receive March Order
   - Prepare Weapon System for Travel
   - Performs Pre-Operational Vehicle Checks
   - Prepare Vehicle/Personnel for NBC Environment

2. MOVE VEHICLE
   - Start/Stop Engine
   - Drive Vehicle
   - Perform Tactical Movement
   - Perform Water Crossing

3. EMPLACE SYSTEM
   - Select Position
   - Move Vehicle Onto Position
   - Camouflage Vehicle

4. PREPARE WEAPON FOR ENGAGEMENT
   - Designate Observation and Command Posts Primary Target Lines and Sectors of Search
   - Establish Observation and Command Posts
   - Emplace/Start Auxiliary Power Unit
   - Perform Prefire Checks
   - Determine Aiming Points
   - Emplace Target Alert System
   - Boresight Weapon

5. LOAD/RELOAD WEAPON
   - Prepare Ammunition
   - Prepare Weapon for Firing
   - Load Ammunition

6. ACQUIRE TARGET

Search for Target
Detect/Locate Target
Identify Friend or Foe

7. ENGAGE AIRCRAFT TARGETS
   Select Target
   Determine Target Speed and Range
   Aim/Sight Weapon
   Track Target
   Fire Weapon
   Adjust Fire
   Reset Target Alert System

8. ENGAGE GROUND TARGETS
   Select Target
   Determine Target Range
   Aim/Sight Weapon
   Fire Weapon
   Adjust Fire

9. NAVIGATE
   Identify Present Location
   Identify Destination
   Plot Travel Route
   Estimate Time of Arrival and Fuel Requirements

10. COMMUNICATE
   Transmit/Receive Messages
   Encode/Decode Messages
   Communicate Using Countermeasure Procedures

11. DEFEND AGAINST ATTACK
   Deploy to Cover
   Evade Threat

12. DISPLACE SYSTEM

Remove APU

Disconnect/Remove Target Alert System

Leave Position

13. PERFORM POST-MISSION TASKS

Perform Post-Operational Checks

14. COMPENSATE FOR EQUIPMENT MALFUNCTIONS AND EMERGENCIES

Identify Malfunction

Identify Source of Malfunction

Compensate/Recover from Malfunction

Evacuate Vehicle

Extinguish Fires

OPERATIONAL FUNCTIONS FOR MAN PORTABLE AIR DEFENSE SYSTEMS

1. CONDUCT PRE-OPERATIONAL INSPECTION

2. PREPARE WEAPON FOR FIRING
   - Prepare Round
   - Ready Weapon for Firing

3. GET INTO FIRING POSITION
   - Select Firing Position
   - Get Into Firing Position

4. DETECT/LOCATE TARGET
   - Search for Target
   - Detect Target
   - Identify Friend or Foe

5. FIRE WEAPON
   - Aim Weapon
   - Track Target
   - Determine Target Range
   - Set Superelevation and Lead
   - Fire Weapon

6. CLEAR/RECOVER FROM MISFIRE

7. PERFORM POST-FIRING TASKS
   - Discard Expended Launch Tube

OPERATIONAL FUNCTIONS FOR ATTACK HELICOPTERS

1. PLAN AND PREPARE FOR MISSION
   - Plan Flight
   - Check Load
   - Calculate Weight and Balance Bearing
   - Prepare Performance Planning Card
   - Enter Preflight Data
   - Conduct Preflight Inspection
   - Perform Engine Start, Run-Up, and Before Take-Off Checks
   - Prepare Vehicle/Personnel For NBC Environment

2. TAXI AND TAKEOFF
   - Perform Ground Taxi
   - Perform Hover Power Check
   - Perform Hovering Flight
   - Perform Takeoff

3. FLY AIRCRAFT TO/FROM MISSION AREA
   - Cruise (Non-Tactical Flight)
   - Perform Tactical Flight
   - Monitor Instruments
   - Perform Holding Procedure

4. NAVIGATE
   - Identify Present Location
   - Identify Destination
   - Select Travel Route
   - Estimate Time of Arrival and Fuel Requirements

5. COMMUNICATE
   - Transmit/Receive Messages
   - Encode/Decode Messages
   - Communicate Using Countermeasure Procedures

6. APPROACH AND LAND AIRCRAFT

Perform Before Landing Checks
Approach
Land
Taxi

7. PERFORM AFTER LANDING TASKS
   Conduct Engine Shutdown
   Conduct Post Flight Checks
   Complete Reports and Forms
   Conduct Briefing

8. COMPENSATE FOR INFLIGHT EQUIPMENT MALFUNCTIONS AND EMERGENCIES
   Identify Malfunction
   Identify Source of Malfunction
   Compensate/Recover from Malfunction
   Extinguish Fire
   Clear Weapon Misfire
   Evacuate Aircraft

9. ACQUIRE TARGETS
   Detect/Locate Targets
   Identify Friend or Foe

10. ATTACK TARGET
   Maneuver for Attack
   Select Target(s)
   Select Weapon
   Aim/Sight Weapon
   Track Target
   Fire Weapon
   Adjust Fire
   Egress From Attack Position

11. DEFEND AGAINST ATTACK
   Deploy to Cover

Identify/Locate Source of Threat/Fire
Identify/Locate Threat Target Tracking
Perform Evasive Maneuvers
Employ ECCM
Dispense/Disperse Smoke

12. PERFORM RECONNAISSANCE
Move to Recon Area
Obtain Tactical Information

13. CALL FOR DIRECT SUPPORT
Call for and Adjust Indirect Fire
Request/Adjust Illumination

OPERATIONAL FUNCTIONS FOR CARGO HELICOPTERS

1. PLAN AND PREPARE FOR MISSION
   - Plan Flight
   - Check Load
   - Calculate Weight and Balance Bearing
   - Prepare Performance Planning Card
   - Enter Preflight Data
   - Conduct Preflight Inspection
   - Perform Engine Start, Run-Up, and Before Take-Off Checks
   - Prepare Vehicle/Personnel For NBC Environment

2. TAXI AND TAKEOFF
   - Perform Ground Taxi
   - Perform Hover Power Check
   - Perform Hovering Flight
   - Perform Takeoff

3. FLY AIRCRAFT TO/FROM MISSION AREA
   - Cruise (Non-Tactical Flight)
   - Perform Tactical Flight
   - Monitor Instruments
   - Perform Holding Procedure

4. NAVIGATE
   - Identify Present Location
   - Identify Destination
   - Select Travel Route
   - Estimate Time of Arrival and Fuel Requirements

5. COMMUNICATE
   - Transmit/Receive Messages
   - Encode/Decode Messages
   - Communicate Using Countermeasure Procedures

6. APPROACH AND LAND AIRCRAFT

Perform Before Landing Checks
Approach
Land
Taxi

7. PERFORM AFTER LANDING TASKS
   Conduct Engine Shutdown
   Conduct Post Flight Checks
   Complete Reports and Forms
   Conduct Briefing

8. COMPENSATE FOR INFLIGHT EQUIPMENT MALFUNCTIONS AND EMERGENCIES
   Identify Malfunction
   Identify Source of Malfunction
   Compensate/Recover from Malfunction
   Extinguish Fire
   Clear Weapon Misfire
   Evacuate Aircraft

9. ACQUIRE TARGETS
   Detect/Locate Targets
   Identify Friend or Foe

10. ATTACK TARGET
   Maneuver for Attack
   Select Target(s)
   Select Weapon
   Aim/Sight Weapon
   Track Target
   Fire Weapon
   Adjust Fire
   Egress From Attack Position

11. DEFEND AGAINST ATTACK
   Deploy to Cover

Identify/Locate Source of Threat/Fire
Identify/Locate Threat Target Tracking
Perform Evasive Maneuvers
Employ ECCM
Dispense/Disperse Smoke

12. LOAD/UNLOAD INTERNAL LOADS
    Brief Passengers
    Load Passengers/Cargo
    Unload Passengers/Cargo

13. RAISE/LOWER EXTERNAL LOADS
    Attach Load
    Raise Load
    Lower Load

14. PERFORM PARADROP

15. RAPPEL TROOPS

16. PERFORM RECONNAISSANCE
    Move to Recon Area
    Obtain Tactical Information

17. CALL FOR DIRECT SUPPORT
    Call for and Adjust Indirect Fire
    Request/Adjust Illumination
    Adjust Attack Helicopter Fire

OPERATIONAL FUNCTIONS FOR UTILITY HELICOPTERS

1. PLAN AND PREPARE FOR MISSION
   - Plan Flight
   - Check Load
   - Calculate Weight and Balance Bearing
   - Prepare Performance Planning Card
   - Enter Preflight Data
   - Conduct Preflight Inspection
   - Perform Engine Start, Run-Up, and Before Take-Off Checks
   - Prepare Vehicle/Personnel For NBC Environment

2. TAXI AND TAKEOFF
   - Perform Ground Taxi
   - Perform Hover Power Check
   - Perform Hovering Flight
   - Perform Takeoff

3. FLY AIRCRAFT TO/FROM MISSION AREA
   - Cruise (Non-Tactical Flight)
   - Perform Tactical Flight
   - Monitor Instruments
   - Perform Holding Procedure

4. NAVIGATE
   - Identify Present Location
   - Identify Destination
   - Select Travel Route
   - Estimate Time of Arrival and Fuel Requirements

5. COMMUNICATE
   - Transmit/Receive Messages
   - Encode/Decode Messages
   - Communicate Using Countermeasure Procedures

6. APPROACH AND LAND AIRCRAFT

Perform Before Landing Checks
Approach
Land
Taxi

7. PERFORM AFTER LANDING TASKS
   Conduct Engine Shutdown
   Conduct Post Flight Checks
   Complete Reports and Forms
   Conduct Briefing

8. COMPENSATE FOR INFLIGHT EQUIPMENT MALFUNCTIONS AND EMERGENCIES
   Identify Malfunction
   Identify Source of Malfunction
   Compensate/Recover from Malfunction
   Extinguish Fire
   Clear Weapon Misfire
   Evacuate Aircraft

9. ACQUIRE TARGETS
   Detect/Locate Targets
   Identify Friend or Foe

10. ATTACK TARGET
   Maneuver for Attack
   Select Target(s)
   Select Weapon
   Aim/Sight Weapon
   Track Target
   Fire Weapon
   Adjust Fire
   Egress From Attack Position

11. DEFEND AGAINST ATTACK
   Deploy to Cover

Identify/Locate Source of Threat/Fire
Identify/Locate Threat Target Tracking
Perform Evasive Maneuvers
Employ ECCM
Dispense/Disperse Smoke

12. LOAD/UNLOAD INTERNAL LOADS
    Brief Passengers
    Load Passengers/Cargo
    Unload Passengers/Cargo

13. RAISE/LOWER EXTERNAL LOADS
    Attach Load
    Raise Load
    Lower Load

14. PERFORM PARADROP

15. RAPPEL TROOPS

16. PERFORM RECONNAISSANCE
    Move to Recon Area
    Obtain Tactical Information

17. CALL FOR DIRECT SUPPORT
    Call for and Adjust Indirect Fire
    Request/Adjust Illumination
    Adjust Attack Helicopter Fire

OPERATIONAL FUNCTIONS FOR SCOUT HELICOPTERS

1. PLAN AND PREPARE FOR MISSION
   - Plan Flight
   - Check Load
   - Calculate Weight and Balance Bearing
   - Prepare Performance Planning Card
   - Enter Preflight Data
   - Conduct Preflight Inspection
   - Perform Engine Start, Run-Up, and Before Take-Off Checks
   - Prepare Vehicle/Personnel For NBC Environment

2. TAXI AND TAKEOFF
   - Perform Ground Taxi
   - Perform Hover Power Check
   - Perform Hovering Flight
   - Perform Takeoff

3. FLY AIRCRAFT TO/FROM MISSION AREA
   - Cruise (Non-Tactical Flight)
   - Perform Tactical Flight
   - Monitor Instruments
   - Perform Holding Procedure

4. NAVIGATE
   - Identify Present Location
   - Identify Destination
   - Select Travel Route
   - Estimate Time of Arrival and Fuel Requirements

5. COMMUNICATE
   - Transmit/Receive Messages
   - Encode/Decode Messages
   - Communicate Using Countermeasure Procedures

6. APPROACH AND LAND AIRCRAFT

Perform Before Landing Checks
Approach
Land
Taxi

7. PERFORM AFTER LANDING TASKS
   Conduct Engine Shutdown
   Conduct Post Flight Checks
   Complete Reports and Forms
   Conduct Briefing

8. COMPENSATE FOR INFLIGHT EQUIPMENT MALFUNCTIONS AND EMERGENCIES
   Identify Malfunction
   Identify Source of Malfunction
   Compensate/Recover from Malfunction
   Extinguish Fire
   Clear Weapon Misfire
   Evacuate Aircraft

9. ACQUIRE TARGETS
   Detect/Locate Targets
   Identify Friend or Foe

10. ATTACK TARGET
   Maneuver for Attack
   Select Target(s)
   Select Weapon
   Aim/Sight Weapon
   Track Target
   Fire Weapon
   Adjust Fire
   Egress From Attack Position

11. DEFEND AGAINST ATTACK
   Deploy to Cover

Identify/Locate Source of Threat/Fire
Identify/Locate Threat Target Tracking
Perform Evasive Maneuvers
Employ ECCM
Dispense/Disperse Smoke

12. PERFORM RECONNAISSANCE
Move to Recon Area
Obtain Tactical Information

13. CALL FOR DIRECT SUPPORT
Call for and Adjust Indirect Fire
Request/Adjust Illumination
Adjust Attack Helicopter Fire

OPERATIONAL FUNCTIONS FOR LIGHT AND HEAVY CARGO TRANSPORT TRUCKS

1. PLAN AND PREPARE MISSION
   - Receive/Review Order
   - Complete Vehicle Record Forms
   - Perform Pre-Operational Checks
   - Camouflage Vehicle
   - Mark Vehicle

2. PREPARE LOAD
   - Observe/Check Loading of Cargo/Passengers
   - Brief Passengers
   - Secure Load
   - Couple Trailer
   - Load Vehicle

3. DRIVE VEHICLE
   - Start Vehicle
   - Drive Vehicle
   - Drive Vehicle in Motor March or Convoy

4. DEFEND AGAINST ATTACK
   - Deploy to Cover
   - Perform Evasive Maneuvers

5. COMPENSATE FOR EQUIPMENT MALFUNCTIONS AND EMERGENCIES
   - Perform Self-Recovery of Vehicle

6. LOAD/UNLOAD VEHICLE
   - Load Cargo/Passengers
   - Unload Cargo/Passengers

7. PERFORM POST-MISSION PROCEDURES
   - Park Vehicle
   - Perform Post-Operational Checks
   - Complete Vehicle Record Forms

4.2.3 - Functions by Mission

The Functions by Mission Library will be similar to the Missions by System Type Library. It will include a taxonomy of all functions that are assigned to missions within System Types.

When the analyst selects a specific mission, a menu will be displayed that will allow him or her to view resident functions within that mission. Each of these functions will have been pulled from the Functions by Mission Library and the list will be sorted into roughly sequential order (taking into account that the tasks from some of the functions may be intertwined).

TYPE SYSTEM

Infantry & Armor System Missions	Infantry Fighting Vehicles	Antitank Vehicles	Rifles Automatic Weapons Grenade Launchers	Man Portable Antitank	Man Portable Indirect Fire	Tanks	Cavalry Fighting Vehicles
Destroy Enemy Troops	1,2,4,5,6, 8,11,3	1,2,4,5,6, 8,11,3	1-7	-	1-7	1,2,4,5,6, 8,11,3	1,2,4,5,6, 8,11,3
Destroy Fixed Emplacements	1,2,4,5,6 8,11,3	1,2,4,5,6 8,11,3	-	1-7	1-7	1,2,4,5,6 8,11,3	1,2,4,5,6 8,11,3
Destroy Enemy Armored Vehicles	1,2,4,5,6 8,11,3	1,2,4,5,6 8,11,3	-	1-7	1-7	1,2,4,5,6 8,11,3	1,2,4,5,6 8,11,3
Delay & Suppress Enemy Activity	1,2,3,4,5, 6,7,8,9, 10,11,13	1,2,3,4,5, 6,7,8	1-7	1-7	1-7	1,2,3,4,5, 6,7,8,9, 10,11	1,2,3,4,5, 6,7,8,9, 10,11
Escort/Screen Friendly Forces	1,2,3,4, 8,10,11		-	-	-	1,2,3,4, 8,10,11	1,2,3,4, 8,10,11
Seize & Occupy Terrain	1,2,3,4, 5,6,7,8, 9,10,11		1-7	1-7	1-7	1,2,3,4, 5,6,7,8, 9,10,11	1,2,3,4, 5,6,7,8, 9,10,11
Perform Reconnaissance	1,2,3,4, 8,10,11		-	-	-	1,2,3,4, 8,10,11	1,2,3,4, 8,10,11
Transport Combat Troops	2,3,4,9, 10,11	-	-	-	-	-	2,3,4,9, 10,11

Note: Data entries are function numbers.

TYPE SYSTEM

Fire Support Missions	Medium Range Missile	Towed Howitzers	SP Howitzer	Rockets
Destroy Enemy Maneuver Forces	1-10,12	1-6,8,9,11,12	1-6,8,9, 11,12	TBD
Destroy Enemy Fire Support Forces	1-10,12	1-6,8,9,11,12	1-6,8,9,11,12	TBD
Delay & Suppress Enemy Activity	-	5,6,7,10,11	5,6,7,10,11	TBD
Provide Illumination	-	1-6,8,9,11,12	1-6,8,9,11,12	-
Conceal Friendly Forces by Making Smoke	-	1-6,8,9,11,12	1-6,8,9,11,12	-

TYPE SYSTEM

Air Defense Missions	Mobile Gun	Man Portable
Destroy Enemy Aircraft	1-7,9,10,12,13,14	1-7
Destroy Enemy (ground) Troops	8,11,14	-
Destroy Enemy Armored Vehicles	8,11,14	-

TYPE SYSTEM

Aviation Missions	Attack Helicopters	Utility Helicopters	Cargo Helicopters	Scout Helicopters
Destroy Enemy Troops	1-10,13	1-8,9,10,17	1-8,9,10,17	1-8,9,10,13
Destroy Enemy Fixed Emplacements	1-10,13	-	-	-
Destroy Enemy Armored Vehicles	1-10,13	-	-	-
Destroy Enemy Helicopters	1-10,13	-	-	-
Delay/Suppress Enemy Activity	1-11,13	1-8,9,10, 11,17	1-8,9,10, 11,17	1-8,9,10, 11,13
Escort/Screen Friendly forces	1-8,13	-	-	-
Perform Reconnaissance	1-8,12,13	1-8,16,17	1-8,16,17	1-8,12,13
Transport Combat Troops	-	1-8,12,15,17	1-8,12,15,17	-
Transport Logistical Supplies	-	1-8,12,13, 14,17	1-8,12,13, 14,17	-
Evacuate Casualties	-	1-8,12,13,17	1-8,12,13,17	-

TYPE SYSTEM

Combat Service Support Missions	Light Trucks	Heavy Trucks
Transport Personnel	1,2,3,4,5,6,7	1,2,3,4,5,6,7
Transport Cargo	1,2,3,4,5,6,7	1,2,3,4,5,6,7

4.2.4 - Conditions by System Type

The Conditions by System Type Library is listed on the succeeding pages. This Library is extremely long, but many of the conditions are simply repeated across System Types.

Within each System Type, conditions are divided into two sets. The first set lists the conditions which are typically used to set performance requirements. The second set lists "additional" conditions that sometimes affect perfomance. Within each of these two general sets, conditions are further broken down into the following four classes:

- Environmental conditions
- Terrain conditions
- Target or threat-related conditions
- Conditions related to friendly forces

For conditions that are quantitatively measured (e.g., target range), users will be allowed to describe the increments (e.g., 0-1000 meters, 1000-5000 meters, etc.) which will be used to describe the condition categories.

Finally, it must be stressed that the purpose of the conditions taxonomy is to define conditions that will be assumed for the simulation of manpower performance. Different performance will be applicable in different conditions.

CONDITIONS FOR INFANTRY FIGHTING VEHICLES

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISABILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

CLIMATE TYPE
- -Hot/Dry
- -Hot/Humid
- -Basic/High Humid
- -Basic/Hot
- -Basic/Cold
- -Cold
- -Severe Cold

ELECTROMAGNETIC HAZARDS
- -With electromagnetic hazards
- -Without electromagnetic hazards

TERRAIN CONDITIONS

ROAD TYPE
- -Primary
- -secondary
- -cross country

NATURAL OBSTACLES

- -Rivers and streams
- -Forests
- -Mountains
- -Lakes and Ponds
- -Swamps, Marshes and Bogs
- -Other (To be specified by user)

SIDE SLOPE OF OBSTACLE TO BE CROSSED
(In per cent or in degrees in increments defined by user)

GRADE SLOPE OF OBSTACLE TO BE CROSSED
(In per cent or in degrees in increments defined by user)

HORIZONTAL GAP OF DITCHES TO BE CROSSED
(in feet in increments defined by user)

SIZE OF VERTICAL WALLS TO BE CROSSED
(in feet in increments defined by user)

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL

- -MOPP Level 0
- -MOPP Level 1
- -MOPP Level 2
- -MOPP Level 3
- -MOPP Level 4
- -Others(to be specified by user)

TARGET RANGE
(in meter increments defined by user)

ELECTROMAGNETIC PULSE (EMP)

- -With EMP
- -Without EMP

TYPE OF ELECTRONIC WARFARE PRESENT

-Beaconing

-Jamming

-Interference

-All of above

-None of above

CONDITIONS RELATED TO FRIENDLY FORCES

VEHICLE MOVEMENT STATUS

Moving

Stationary

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain

Jungle

Desert

Winter

Amphibious

WIND DIRECTION TYPE

Headwind

Tailwind

Cross wind

No wind

WIND DIRECTION-MEASURED

(in mils from gun azimuth in increments selected by user)

WIND VELOCITY
(in knots or in miles per hour in increments selected by user)

PRESSURE
(in millibars in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

HEIGHT ABOVE SEA LEVEL
(in meters in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

ROAD SURFACE TYPE
-All weather road (concrete or bituminous concrete)
-Limited weather road (crushed rock, waterbound macadam, gravel)
-Fair Weather road (natural or stabilized soil, sand or clay, shell, cinder)

CROSS COUNTRY SURFACE TYPE
-Sand
-Bare packed ground
-Light vegetation
-Dense vegetation

LOAD BEARING CAPACITY OF GROUND/ROAD
(In tons in increments specified by user)

GROUND SURFACE STATUS
Dry
Wet
Mud
Ice
Snow
Dust

DEPTH OF WATER OBSTACLE
(in feet in increments defined by user)

CURRENT OF RIVER TO BE FORDED
(in knots or miles per hour in increments defined by the user)

TYPE OF RAIL,BRIDGE, OR TUNNEL
(To be specified by user)

CURVATURE OF ROAD
(Radius in meters in increments to be specified by user)

THREAT/TARGET CONDITIONS

GENERAL TARGET/THREAT TYPES
Tank
Armored personnel carrier
Unarmored vehicle
Helicopter
Fixed wing aircraft
Artillery or air defense systems
Troops
Others (to be specified by user)

THREAT TANK AND ASSAULT GUN TYPES
T-62 Medium Tank
T-64 Medium Tank
T-55 Medium Tank
T-72 Medium Tank
SU-85 Assault gun
PT-76 Light Amphibious Tank
Others (to be specified by user)

THREAT ARMORED VEHICLES
BMP-1
BTR 50-P
BRDM-2
BTR 60-P
BMD
Others (To be specified by user)

THREAT TROOP WEAPON TYPES
Assault rifle, AKMS
Antitank grenade launcher, RPG-7
7.62 light machine gun
7.62 heavy machine gun
82-mm mortar
82-mm recoiless gun
antitank gun SPG-9
SAGGER antitank guided missile
Others (To be specified by user)

THREAT HELICOPTER TYPES
Mi-8 HIP C Attack Helicopter
Mi-8 HIP E Attack Helicopter
Mi-8 HIP F Attack Helicopter
HIND A Attack Helicopter
HIND B Attack Helicopter
HIND C Attack Helicopter
HIND D Attack Helicopter

HIND E Attack Helicopter
Mi-2 HOPLITE Transport Helicopter
Mi-4 HOUND Transport Helicopter
Mi-6 HOOK Transport Helicopter
Others (Defined by User)

THREAT FIXED WING AIRCRAFT
Su-15 Fighter Interceptor
Mig-25 FOXBAT Fighter Interceptor
MIG-23 FLOGGER-B Tactical Fighter
MIG-21 FISHBED Tactical Fighter
Su-11 FISHPOT Fighter Interceptor
Su-7 FITTER B Fighter Bomber
Su-24 FENCER Fighter Bomber
MIG-27 FLOGGER D Fighter Bomber
Su-25 FROGFOOT Fighter Bomber
Others (Defined by User)

TYPE OF THREAT ATTACK
Air Attack
Indirect Fire Attack
Sniper Fire Attack
Tank/armored vehicle attack
NBC Attack
Attack with Light Antitank Weapon
Others (To be specified by user)

GROUND TARGET SPEED
(In knots or in miles per hour in increments specified by user)

DIRECTED ENERGY WEAPON
Directed Energy Weapons Present
Directed Energy Weapons Absent

THREAT OBSTACLES
Minefield

Other (To be specified by user)

MOVEMENT STATUS OF GROUND TARGETS
Moving
Stationary

RANGE OF GROUND TARGETS
(in meters in increments selected by user)

ASPECT OF GROUND TARGET
Frontal
Flanking
Oblique

NUMBER OF GROUND TARGETS
(To be specified by user)

TARGET AIRCRAFT COURSE
Crossing level
Crossing diving
Incoming diagonal
Outgoing
Hovering

RANGE OF TARGET AIRCRAFT
(In meters in increments specified by user)

TARGET AIRCRAFT SPEED
(In knots or in miles per hour in increments specified by user)

NUMBER OF AIRBORNE TARGETS
(To be specified by user)

TARGET EXPOSURE TIME
(In seconds in increments specified by user)

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Sound/flash radar
Artillery locating radar
Air defense radar
Movement sensor
Pressure sensor
Radio direction finding system
Others (to be specified by user)

CONDITIONS REALTED TO FRIENDLY FORCES

FIRE DISTRIBUTION TYPE
Point
Area

FIRE HEIGHT
Grazing
Plunging

TYPE OF GUNNERY
Precision
Battlesight

MULTIPLE TARGET FIRE PATTERNS
Frontal
Crossfire
Depth

WEAPON TYPES
M231 Firing Port Weapon
25mm automatic gun
M257 Smoke grenade launchers
TOW

M240 Machine gun
Others (To be specified by user)

RATE OF FIRE
Single Shot
Low Rate
High Rate

TYPE OF SIGHT
Integrated Sight Unit
Auxiliary Sight
Ring Sight
Naked Eye
AN/PVS 5 Night Vision Goggles
AN/VVS 2 Night Vision Viewer
-Others (To be specified by user)

AMMUNITION TYPE FOR AUTOMATIC GUN

high explosive incendiary-tracer (HEI-T)
armor piercing discarding Sabot -tracer (APDS-T)
target practice-tracer
Others (To be specified by user)

METHODS FOR DETERMINING TARGET RANGE
Naked eye
Binocular
Stadia
Other (to be specified by user)

TYPE OF POWER FOR FIRE CONTROL
Vehicle
Battery

SIGHT MODES
Day

Night

CONDITION OF VEHICLE HATCHS
Buttoned-up
Open

COMMUNICATION MEDIUM
-Intercom
-Squad radio
-FM radio
-Wire
-Visual
-Voice
-Others (To be specified by user)

COMMUNICATION MODE
-Messages encoded and decoded
-Normal message traffic

TYPE OF HIGHER LEVEL UNIT OPERATION BEING SUPPORTED
Offensive
  Movement To Contact
  Hasty Attack
  Deliberate Attack
  Exploitation
  Pursuit
  Reconnaissance In Force
  Raid
  Feint
  Demonstration
Defensive
  Covering Force
  Main Battle
  Deep Attack
  Rear Area Operations

Retrograde Operations

TYPE OF MOVEMENT WHEN NOT IN CONTACT WITH ENEMY
Traveling
Traveling Overwatch
Bounding Overwatch

FORMATION TYPE
Column
Line
Echelon
Vee
Wedge
Herring Bone
Coil
Laager
Others (To be specified by user)

TYPE OF OFFENSIVE OPERATION
Movement to contact
Assault
Mounted assault with tanks
Mounted assault without tanks
Dismounted assault
Passage of lines
Others (To be specified by user)

TYPE OF DEFENSIVE OPERATION
Disengagement
Aerial defense
Counterattack
Withdrawal
Delay
Reserve
Others (to be specified by user)

COMBAT PATROL MISSIONS

reconnaissance

- route
- zone
- area

ambush

- point
- area
- antiarmor

security/screen

raid

TABLE C-2 CONDITIONS TAXONOMY FOR ANTITANK VEHICLES

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

CLIMATE TYPE
- -Hot/Dry
- -Hot/Humid
- -Basic/High Humid
- -Basic/Hot
- -Basic/Cold
- -Cold
- -Severe Cold

ELECTROMAGNETIC HAZARDS
- -With electromagnetic hazards
- -Without electromagnetic hazards

TERRAIN CONDITIONS

ROAD TYPE
- -Primary

-secondary
-cross country

NATURAL OBSTACLES
-Rivers and Streams
-Forests
-Mountains
-Lakes and Ponds
-Swamps, Marshes and Bogs
-Other (To be specified by user)

SIDE SLOPE OF OBSTACLE TO BE CROSSED
(In per cent or in degrees in increments defined by user)

GRADE SLOPE OF OBSTACLE TO BE CROSSED
(In per cent or in degrees in increments defined by user)

HORIZONTAL GAP OF DITCHES TO BE CROSSED
(in feet in increments defined by user)

SIZE OF VERTICAL WALLS TO BE CROSSED
(in feet in increments defined by user)

TARGET/THREAT-RELATED CONDITION

PROTECTIVE GEAR LEVEL
-MOPP Level 0
-MOPP Level 1
-MOPP Level 2
-MOPP Level 3
-MOPP Level 4
-Others(to be specified by user)

TARGET RANGE
(in meter increments defined by user)

ELECTROMAGNETIC PULSE (EMP)

-With EMP

-Without EMP

TYPE OF ELECTRONIC WARFARE PRESENT

-Beaconing

-Jamming

-Interference

-All of above

-None of above

CONDITIONS RELATED TO FRIENDLY FORCES

VEHICLE MOVEMENT STATUS

Moving

Stationary

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain

Jungle

Desert

Winter

Amphibious

WIND DIRECTION TYPE

Headwind

Tailwind

Cross wind

No wind

WIND DIRECTION-MEASURED
(in mils from gun azimuth in increments selected by user)

WIND VELOCITY
(in knots or in miles per hour in increments selected by user)

PRESSURE
(in millibars in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

HEIGHT ABOVE SEA LEVEL
(in meters in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

ROAD SURFACE TYPE
-All weather road (concrete or bituminous concrete)
-Limited weather road (crushed rock, waterbound macadam, gravel)
-Fair Weather road (natural or stabilized soil, sand or clay, shell, cinder)

CROSS COUNTRY SURFACE TYPE
-Sand

-Bare packed ground
-Light vegetation
-Dense vegetation

LOAD BEARING CAPACITY OF GROUND/ROAD
(In tons in increments specified by user)

GROUND SURFACE STATUS
Dry
Wet
Mud
Ice
Snow
Dust

DEPTH OF WATER OBSTACLE
(in feet in increments defined by user)

CURRENT OF RIVER TO BE FORDED
(in knots or miles per hour in increments defined by the user)

TYPE OF RAIL,BRIDGE, OR TUNNEL
(To be specified by user)

CURVATURE OF ROAD
(Radius in meters in increments to be specified by user)

THREAT/TARGET CONDITIONS

GENERAL TARGET THREAT TYPES
Tank
Armored personnel carrier
Unarmored vehicle
Helicopter

Fixed wing aircraft
Artillery or air defense systems
Troops
Others (to be specified by user)

THREAT TANK AND ASSAULT GUN TYPES
T-62 Medium Tank
T-64 Medium Tank
T-55 Medium Tank
T-72 Medium Tank
SU-85 Assault gun
PT-76 Light Amphibious Tank
Others (to be specified by user)

THREAT ARMORED VEHICLES
BMP-1
BTR 50-P
BRDM-2
BTR 60-P
BMD
Others (To be specified by user)

THREAT TROOP WEAPON TYPES
Assault rifle, AKMS
Antitank grenade launcher, RPG-7
7.62 light machine gun
7.62 heavy machine gun
82-mm mortar
82-mm recoiless gun
antitank gun SPG-9
SAGGER antitank guided missile
Others (To be specified by user)

THREAT HELICOPTER TYPES
Mi-8 HIP C Attack Helicopter
Mi-8 HIP E Attack Helicopter

Mi-8 HIP F Attack Helicopter
HIND A Attack Helicopter
HIND B Attack Helicopter
HIND C Attack Helicopter
HIND D Attack Helicopter
HIND E Attack Helicopter
Mi-2 HOPLITE Transport Helicopter
Mi-4 HOUND Transport Helicopter
Mi-6 HOOK Transport Helicopter
Others (Defined by User)

THREAT FIXED WING AIRCRAFT
Su-15 Fighter Interceptor
Mig-25 FOXBAT Fighter Interceptor
MIG-23 FLOGGER-B Tactical Fighter
MIG-21 FISHBED Tactical Fighter
Su-11 FISHPOT Fighter Interceptor
Su-7 FITTER B Fighter Bomber
Su-24 FENCER Fighter Bomber
MIG-27 FLOGGER D Fighter Bomber
Su-25 FROGFOOT Fighter Bomber
Others (Defined by User)

TYPE OF THREAT ATTACK
Air Attack
Indirect Fire Attack
Sniper Fire Attack
Tank/armored vehicle attack
NBC Attack
Attack with Light Antitank Weapon
Others (To be specified by user)

TARGET AIRCRAFT COURSE
Crossing level
Crossing diving
Incoming diagonal

Outgoing
Hovering

RANGE OF TARGET AIRCRAFT
(In meters in increments specified by user)

TARGET AIRCRAFT SPEED
(In knots or in miles per hour in increments specified by user)

NUMBER OF AIRBORNE TARGETS
(To be specified by user)

TARGET EXPOSURE TIME
(In seconds in increments specified by user)

GROUND TARGET SPEED
(In knots or in miles per hour in increments specified by user)

DIRECTED ENERGY WEAPON
Directed Energy Weapons Present
Directed Energy Weapons Absent

THREAT OBSTACLES
Minefield
Other (To be specified by user)

MOVEMENT STATUS OF GROUND TARGETS
Moving
Stationary
RANGE OF GROUND TARGETS
(in meters in increments selected by user)

ASPECT OF GROUND TARGET
Frontal
Flanking
Oblique

NUMBER OF GROUND TARGETS
(To be specified by user)

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Sound/Flash radar
Artillery locating radar
Air defense radar
Movement sensor
Pressure sensor
Radio direction finding system
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

FIRE DISTRIBUTION TYPE
Point
Area

FIRE HEIGHT
Grazing
Plunging

TYPE OF SIGHT
Naked Eye
AN/PVS 5 Night Vision Goggles
TOW nightsight
-Others (To be specified by user)

MULTIPLE TARGET FIRE PATTERNS
Frontal
Crossfire
Depth

TOW FIRING CONDITIONS
Over water greater than 1100 meters
Over electric wires
In Smoke
Normal

WEAPONS TYPES
Dual launcher TOW
M60 machine gun
Smoke grenade launcher
Others (To be specified by user)

TYPE OF FOV
Wide
Narrow

AERIAL ENGAGEMENT METHOD
Active
Passive

CONDITION OF VEHICLE HATCHS
Buttoned-up
Open

COMMUNICATION MEDIUM
-Intercom
-Squad radio
-FM radio
-Wire
-Visual
-Voice
-Others (To be specified by user)

COMMUNICATION MODE
-Messages encoded and decoded

-Normal message traffic

TYPE OF HIGHER LEVEL UNIT OPERATION BEING SUPPORTED

Offensive

- Movement To Contact
- Hasty Attack
- Deliberate Attack
- Exploitation
- Pursuit
- Reconnaissance In Force
- Raid
- Feint
- Demonstration

Defensive

- Covering Force
- Main Battle
- Deep Attack
- Rear Area Operations
- Retrograde Operations

TYPE OF MOVEMENT WHEN NOT IN CONTACT WITH ENEMY

Traveling

Traveling Overwatch

Bounding Overwatch

FORMATION TYPE

Column

Line

Echelon

Vee

Wedge

Herring Bone

Coil

Laager

Others (To be specified by user)

TYPE OF OFFENSIVE OPERATION
Movement to contact
Assault
Mounted assault with tanks
Mounted assault without tanks
Dismounted assault
Passage of lines
Others (To be specified by user)

TYPE OF DEFENSIVE OPERATION
Disengagement
Aerial defense
Counterattack
Withdrawal
Delay
Reserve
Others (to be specified by user)

COMBAT PATROL MISSIONS
reconnaissance
  route
  zone
  area
ambush
  point
  area
  antiarmor
security/screen
raid

TABLE C-3 CONDITIONS TAXONOMY FOR MAN PORTABLE MORTARS

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

CLIMATE TYPE
- -Hot/Dry
- -Hot/Humid
- -Basic/High Humid
- -Basic/Hot
- -Basic/Cold
- -Cold
- -Severe Cold

TERRAIN CONDITIONS

LOAD BEARING CAPACITY OF GROUND
(In tons in increments specified by user)

GROUND SURFACE STATUS
Dry

Wet
Mud
Ice
Snow
Dust

SIDE SLOPE OF TERRAIN
(In percent or in degrees in increments defined by user)

GRADE SLOPE OF TERRAIN
(In percent or in degrees in increments defined by user)

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL
-MOPP Level 0
-MOPP Level 1
-MOPP Level 2
-MOPP Level 3
-MOPP Level 4
-Others(to be specified by user)

TARGET RANGE
(in meter increments defined by user)

CONDITIONS RELATED TO FRIENDLY FORCES

FIRING MODE
-Target Observable
-Target Not Observable

QUADRANT ELEVATIONS
(In mils in increments specified by user)

FIRING INTENSITY

-Maximum

-Sustained

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain
Jungle
Desert
Winter
Amphibious

WIND DIRECTION TYPE
Headwind
Tailwind
Cross wind
No wind

WIND DIRECTION-MEASURED
(in mils from gun azimuth in increments selected by user)

WIND VELOCITY
(in knots or in miles per hour in increments selected by user)

PRESSURE
(in millibars in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

HEIGHT ABOVE SEA LEVEL
(in meters in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

None

THREAT/TARGET CONDITIONS

TYPE OF THREAT TARGET ACQUISITION
Visual
Sound/Flash radar
Artillery locating radar
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

PLATFORM
- -Mounted
- -Ground

METHOD FOR LAYING MORTAR
Normal
Reciprocal

FIRE PATTERN TYPE
Traversing

Searching
Other

BORESIGHT MECHANISM
M45
M115
Other

AMMUNITION TYPE
High explosive
Smoke
Illumination
Training practice
White phosphorous
Others (to be specified by user)

METHOD FOR SETTING DEFLECTION
Sight Box
Distant aiming point

TYPE OF HIGHER LEVEL UNIT OPERATION BEING SUPPORTED
Offensive
  Movement To Contact
  Hasty Attack
  Deliberate Attack
  Exploitation
  Pursuit
  Reconnaissance In Force
  Raid
  Feint
  Demonstration
Defensive
  Covering Force
  Main Battle
  Deep Attack
  Rear Area Operations

Retrograde Operations

TYPE OF SIGHT
Naked Eye
Night Vision Goggles
Others (To be specified by user)

TABLE C-4 CONDITIONS TAXONOMY FOR GRENADE LAUNCHER

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
-Day
-Night

VISIBILITY TYPE
-Clear
-Fog
-Haze
-Smoke
-Other (To be specified by user)

CLIMATE TYPE
-Hot/Dry
-Hot/Humid
-Basic/High Humid
-Basic/Hot
-Basic/Cold
-Cold
-Severe Cold

TERRAIN CONDITIONS

None

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL

-MOPP Level 0

-MOPP Level 1

-MOPP Level 2

-MOPP Level 3

-MOPP Level 4

-Others(to be specified by user)

TARGET RANGE

(in meter increments defined by user)

CONDITIONS RELATED TO FRIENDLY FORCES

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain

Jungle

Desert

Winter

Amphibious

WIND DIRECTION TYPE

Headwind

Tailwind

Cross wind

No wind

WIND VELOCITY

(in knots or in miles per hour in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

HEIGHT ABOVE SEA LEVEL
(in meters in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

None

THREAT/TARGET CONDITIONS

TARGET TYPE
Bunker opening
Window opening
Vehicle/Weapons emplacement
Troops in open

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Sound/Flash radar
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

FIRING POSITION
Foxhole
Prone
Kneeling

AMMUNITION TYPE
Dual Purpose
High explosive
Training practice
Pyrotechnic signal and spotting
Others (to be specified by user)

TYPE OF SIGHT
Naked Eye
AN/PVS 4 Night Vision Sight
Others (To be specified by user)

TABLE C-5 CONDITIONS TAXONOMY FOR M-16A1 RIFLE

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

CLIMATE TYPE
- -Hot/Dry
- -Hot/Humid
- -Basic/High Humid
- -Basic/Hot
- -Basic/Cold
- -Cold
- -Severe Cold

TERRAIN CONDITIONS

None

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL
- -MOPP Level 0
- -MOPP Level 1
- -MOPP Level 2

-MOPP Level 3
-MOPP Level 4
-Others(to be specified by user)

TARGET RANGE
(in meter increments defined by user)

TARGET CLASS
Area
Point

MOVEMENT STATUS OF GROUND TARGETS
Moving
Stationary

CONDITIONS RELATED TO FRIENDLY FORCES

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain
Jungle
Desert
Winter
Amphibious

WIND DIRECTION TYPE
Headwind
Tailwind
Cross wind
No wind

WIND VELOCITY
(in knots or in miles per hour in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

HEIGHT ABOVE SEA LEVEL
(in meters in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

ADDITIONAL CONDITIONS

None

THREAT/TARGET CONDITIONS

TARGET EXPOSURE TIME
(In seconds in increments specified by user)

GROUND TARGET SPEED
(In knots or in miles per hour in increments specified by user)

DIRECTED ENERGY WEAPON
Directed Energy Weapons Present
Directed Energy Weapons Absent

THREAT OBSTACLES
Minefield

Other (To be specified by user)

ASPECT OF GROUND TARGET
Frontal
Flanking
Oblique

NUMBER OF GROUND TARGETS
(To be specified by user)

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Sound/Flash radar
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

FIRE DISTRIBUTION TYPE
Point
Area

FIRE HEIGHT
Grazing
Plunging

TARGET DETECTION TECHNIQUE
Self-preservation
Overlapping strip method

FIRING POSITION
Foxhole
Prone unsupported
Prone supported
Alternate prone
Kneeling

MODE OF FIRE
Semi-automatic
Automatic

TYPE OF SIGHT
Naked Eye
AN/PVS 4 Night Vision Sight
Others (To be specified by user)

TABLE-6 CONDITIONS TAXONOMY FOR AUTOMATIC WEAPON

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

CLIMATE TYPE
- -Hot/Dry
- -Hot/Humid
- -Basic/High Humid
- -Basic/Hot
- -Basic/Cold
- -Cold
- -Severe Cold

TERRAIN CONDITIONS

None

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL
- -MOPP Level 0
- -MOPP Level 1
- -MOPP Level 2
- -MOPP Level 3

-MOPP Level 4
-Others(to be specified by user)

TARGET RANGE
(in meter increments defined by user)

TARGET CLASS
Area
Point

MOVEMENT STATUS OF GROUND TARGETS
Moving
Stationary

CONDITIONS RELATED TO FRIENDLY FORCES

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain
Jungle
Desert
Winter
Amphibious

WIND DIRECTION TYPE
Headwind
Tailwind
Cross wind
No wind

WIND VELOCITY

(in knots or in miles per hour in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

None

THREAT/TARGET CONDITIONS

TARGET EXPOSURE TIME
(In seconds in increments specified by user)

GROUND TARGET SPEED
(In knots or in miles per hour in increments specified by user)

DIRECTED ENERGY WEAPON
Directed Energy Weapons Present
Directed Energy Weapons Absent

THREAT OBSTACLES
Minefield
Other (To be specified by user)

ASPECT OF GROUND TARGET
Frontal

Flanking
Oblique

NUMBER OF GROUND TARGETS
(To be specified by user)

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Sound/Flash radar
Artillery locating radar
Air defense radar
Movement sensor
Pressure sensor
Radio direction finding system
Radar direction finding system
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

FIRE DISTRIBUTION TYPE
Point
Area

FIRE HEIGHT
Grazing
Plunging

FIRING POSITION
Foxhole
Prone unsupported
Prone supported
Alternate prone
Kneeling

TYPE OF SIGHT

Naked Eye

AN/PVS 5 Night Vision Goggles

Others (To be specified by user)

CONDITIONS TAXONOMY FOR ANTITANK WEAPON

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

CLIMATE TYPE
- -Hot/Dry
- -Hot/Humid
- -Basic/High Humid
- -Basic/Hot
- -Basic/Cold
- -Cold
- -Severe Cold

TERRAIN CONDITIONS

None

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL
- -MOPP Level 0
- -MOPP Level 1
- -MOPP Level 2
- -MOPP Level 3

-MOPP Level 4
-Others(to be specified by user)

TARGET RANGE
(in meter increments defined by user)

TARGET CLASS
Area
Point

MOVEMENT STATUS OF GROUND TARGETS
Moving
Stationary

CONDITIONS RELATED TO FRIENDLY FORCES

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain
Jungle
Desert
Winter
Amphibious

WIND DIRECTION TYPE
Headwind
Tailwind
Cross wind
No wind

WIND VELOCITY

(in knots or in miles per hour in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

None

THREAT/TARGET CONDITIONS

TARGET EXPOSURE TIME
(In seconds in increments specified by user)

GROUND TARGET SPEED
(In knots or in miles per hour in increments specified by user)

DIRECTED ENERGY WEAPON
Directed Energy Weapons Present
Directed Energy Weapons Absent

THREAT OBSTACLES
Minefield
Other (To be specified by user)

ASPECT OF GROUND TARGET
Frontal

Flanking
Oblique

NUMBER OF GROUND TARGETS
(To be specified by user)

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Sound/Flash radar
Artillery locating radar
Movement sensor
Pressure sensor
Radio direction finding system
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

FIRING POSITION
Foxhole(Standing supported)
Prone
Kneeling
Sitting
Sitting supported

TYPE OF SIGHT
Naked Eye
Night Tracker
Others (To be specified by user)

TABLE C-8 CONDITIONS TAXONOMY FOR TANKS

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

CLIMATE TYPE
- -Hot/Dry
- -Hot/Humid
- -Basic/High Humid
- -Basic/Hot
- -Basic/Cold
- -Cold
- -Severe Cold

ELECTROMAGNETIC HAZARDS
- -With electromagnetic hazards
- -Without electromagnetic hazards

TERRAIN CONDITIONS

ROAD TYPE
- -Primary
- -secondary

-cross country

NATURAL OBSTACLES

-Rivers and Streams
-Forests
-Mountains
-Lakes and Ponds
-Swamps, Marshes and Bogs
-Other (To be specified by user)

SIDE SLOPE OF OBSTACLE TO BE CROSSED
(In per cent or in degrees in increments defined by user)

GRADE SLOPE OF OBSTACLE TO BE CROSSED
(In per cent or in degrees in increments defined by user)

HORIZONTAL GAP OF DITCHES TO BE CROSSED
(in feet in increments defined by user)

SIZE OF VERTICAL WALLS TO BE CROSSED
(in feet in increments defined by user)

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL

-MOPP Level 0
-MOPP Level 1
-MOPP Level 2
-MOPP Level 3
-MOPP Level 4
-Others(to be specified by user)

TARGET RANGE

(in meter increments defined by user)

ELECTROMAGNETIC PULSE (EMP)

-With EMP

-Without EMP

TYPE OF ELECTRONIC WARFARE PRESENT

-Beaconing

-Jamming

-Interference

-All of above

-None of above

CONDITIONS RELATED TO FRIENDLY FORCES

VEHICLE MOVEMENT STATUS

Moving

Stationary

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain

Jungle

Desert

Winter

Amphibious

WIND DIRECTION TYPE

Headwind

Tailwind

Cross wind

No wind

WIND DIRECTION-MEASURED
(in mils from gun azimuth in increments selected by user)

WIND VELOCITY
(in knots or in miles per hour in increments selected by user)

PRESSURE
(in millibars in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

HEIGHT ABOVE SEA LEVEL
(in meters in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

ROAD SURFACE TYPE
-All weather road (concrete or bituminous concrete)
-Limited weather road (crushed rock, waterbound macadam, gravel)
-Fair Weather road (natural or stabilized soil, sand or clay, shell, cinder)

CROSS COUNTRY SURFACE TYPE
-Sand

-Bare packed ground
-Light vegetation
-Dense vegetation

LOAD BEARING CAPACITY OF GROUND/ROAD
(In tons in increments specified by user)

GROUND SURFACE STATUS
Dry
Wet
Mud
Ice
Snow
Dust

DEPTH OF WATER OBSTACLE
(in feet in increments defined by user)

CURRENT OF RIVER TO BE FORDED
(in knots or miles per hour in increments defined by the user)

TYPE OF RAIL,BRIDGE, OR TUNNEL
(To be specified by user)

CURVATURE OF ROAD
(Radius in meters in increments to be specified by user)

THREAT/TARGET CONDITIONS

GENERAL TARGET THREAT TYPES
Tank
Armored personnel carrier
Unarmored vehicle
Helicopter

Fixed wing aircraft
Artillery or air defense systems
Troops
Others (to be specified by user)

THREAT TANK AND ASSAULT GUN TYPES
T-62 Medium Tank
T-64 Medium Tank
T-55 Medium Tank
T-72 Medium Tank
SU-85 Assault gun
PT-76 Light Amphibious Tank
Others (to be specified by user)

THREAT ARMORED VEHICLES
BMP-1
BTR 50-P
BRDM-2
BTR 60-P
BMD
Others (To be specified by user)

THREAT TROOP WEAPON TYPES
Assault rifle, AKMS
Antitank grenade launcher, RPG-7
7.62 light machine gun
7.62 heavy machine gun
82-mm mortar
82-mm recoiless gun
antitank gun SPG-9
SAGGER antitank guided missile
Others (To be specified by user)

THREAT HELICOPTER TYPES
Mi-8 HIP C Attack Helicopter
Mi-8 HIP E Attack Helicopter

Mi-8 HIP F Attack Helicopter
HIND A Attack Helicopter
HIND B Attack Helicopter
HIND C Attack Helicopter
HIND D Attack Helicopter
HIND E Attack Helicopter
Mi-2 HOPLITE Transport Helicopter
Mi-4 HOUND Transport Helicopter
Mi-6 HOOK Transport Helicopter
Others (Defined by User)

THREAT FIXED WING AIRCRAFT
Su-15 Fighter Interceptor
Mig-25 FOXBAT Fighter Interceptor
MIG-23 FLOGGER-B Tactical Fighter
MIG-21 FISHBED Tactical Fighter
Su-11 FISHPOT Fighter Interceptor
Su-7 FITTER B Fighter Bomber
Su-24 FENCER Fighter Bomber
MIG-27 FLOGGER D Fighter Bomber
Su-25 FROGFOOT Fighter Bomber
Others (Defined by User)

TYPE OF THREAT ATTACK
Air Attack
Indirect Fire Attack
Sniper Fire Attack
Tank/armored vehicle attack
NBC Attack
Attack with Light Antitank Weapon
Others (To be specified by user)

TARGET AIRCRAFT COURSE
Crossing level
Crossing diving
Incoming diagonal

Outgoing
Hovering

RANGE OF TARGET AIRCRAFT
(In meters in increments specified by user)

TARGET AIRCRAFT SPEED
(In knots or in miles per hour in increments specified by user)

NUMBER OF AIRBORNE TARGETS
(To be specified by user)

TARGET EXPOSURE TIME
(In seconds in increments specified by user)

GROUND TARGET SPEED
(In knots or in miles per hour in increments specified by user)

DIRECTED ENERGY WEAPON
Directed Energy Weapons Present
Directed Energy Weapons Absent

THREAT OBSTACLES
Minefield
Other (To be specified by user)

MOVEMENT STATUS OF GROUND TARGETS
Moving
Stationary

RANGE OF GROUND TARGETS
(in meters in increments selected by user)

ASPECT OF GROUND TARGET
Frontal
Flanking

Oblique

NUMBER OF GROUND TARGETS
(To be specified by user)

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Sound/Flash radar
Artillery locating radar
Movement sensor
Pressure sensor
Radio direction finding system
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

FIRE DISTRIBUTION TYPE
Point
Area

FIRE HEIGHT
Grazing
Plunging

MULTIPLE TARGET FIRE PATTERNS
Frontal
Crossfire
Depth

WEAPONS TYPE
.50 M2 HB machine gun
M240 COAX Machine gun
105mm main gun
M250 grenade launcher

Others (To be specified by user)

GUNNERY TECHNIQUE
Precision
Degraded Modes
Emergency
Manual
Battle sight gunnery

DEGRADED MODES OF EQUIPMENT OPERATION
Fire control system
Operational
Non-operational
Stabilization system
Operational
Non-operational
Laser Range Finder
Operational
Non-operational
Others (to be specified by user)

AMMUNITION TYPE
APDS-T, armor piercing discarding sabot-tracer
APDS, armor piercing discarding sabot
APFSDS, armor piercing fin stabilized discarding sabot
APFSDS-T, armor piercing discarding fin stabilized sabot-tracer
HE, high explosive
HEAT, high explosive antitank
HEAT-T, high explosive antitank-tracer
HEP-TP-T, high explosive plastic target practice-tracer
RP, red phosphorous
WP-T, white phosphorous- tracer
Others (to be specified by user)

AERIAL ENGAGEMENT METHOD
Active

Passive

CONDITION OF VEHICLE HATCHS
Buttoned-up
Open

COMMUNICATION MEDIUM
-Intercom
-Squad radio
-FM radio
-Wire
-Visual
-Voice
-Others (To be specified by user)

COMMUNICATION MODE
-Messages encoded and decoded
-Normal message traffic

TYPE OF SIGHT
Naked Eye
AN/PVS 5 Night Vision Goggles
AN/VVS 2 Night Vision Viewer
Others (To be specified by user)
TYPE OF HIGHER LEVEL UNIT OPERATION BEING SUPPORTED
Offensive
  Movement To Contact
  Hasty Attack
  Deliberate Attack
  Exploitation
  Pursuit
  Reconnaissance In Force
  Raid
  Feint
  Demonstration
Defensive

Covering Force
Main Battle
Deep Attack
Rear Area Operations
Retrograde Operations

TYPE OF MOVEMENT WHEN NOT IN CONTACT WITH ENEMY
Traveling
Traveling Overwatch
Bounding Overwatch

FORMATION TYPE
Column
Line
Echelon
Vee
Wedge
Herring Bone
Coil
Laager
Others (To be specified by user)

TYPE OF OFFENSIVE OPERATION
Movement to contact
Assault
Mounted assault with tanks
Mounted assault without tanks
Dismounted assault
Passage of lines
Others (To be specified by user)

TYPE OF DEFENSIVE OPERATION
Disengagement
Aerial defense
Counterattack
Withdrawal

Delay
Reserve
Others (to be specified by user)

COMBAT PATROL MISSIONS
reconnaissance
  route
  zone
  area
ambush
  point
  area
  antiarmor
security/screen
raid

SECURITY/SCREEN OPERATIONS
 Screen
 Guard
 Advance
 Flank
 Rear
 cover
 Others (to be specified by user)

TABLE C-9 CONDITIONS TAXONOMY FOR CALVARY FIGHTING VEHICLES

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
-Day
-Night

VISIBILITY TYPE
-Clear
-Fog
-Haze
-Smoke
-Other (To be specified by user)

CLIMATE TYPE
-Hot/Dry
-Hot/Humid
-Basic/High Humid
-Basic/Hot
-Basic/Cold
-Cold
-Severe Cold

ELECTROMAGNETIC HAZARDS
-With electromagnetic hazards
-Without electromagnetic hazards

TERRAIN CONDITIONS

ROAD TYPE
-Primary
-secondary

-cross country

NATURAL OBSTACLE

-Rivers and Streams

-Forests

-Mountains

-Lakes and Ponds

-Swamps, Marshes and Bogs

-Other (To be specified by user)

SIDE SLOPE OF OBSTACLE TO BE CROSSED
(In per cent or in degrees in increments defined by user)

GRADE SLOPE OF OBSTACLE TO BE CROSSED
(In per cent or in degrees in increments defined by user)

HORIZONTAL GAP OF DITCHES TO BE CROSSED
(in feet in increments defined by user)

SIZE OF VERTICAL WALLS TO BE CROSSED
(in feet in increments defined by user)

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL

-MOPP Level 0

-MOPP Level 1

-MOPP Level 2

-MOPP Level 3

-MOPP Level 4

-Others(to be specified by user)

TARGET RANGE

(in meter increments defined by user)

ELECTROMAGNETIC PULSE (EMP)

-With EMP
-Without EMP

TYPE OF ELECTRONIC WARFARE PRESENT
-Beaconing
-Jamming
-Interference
-All of above
-None of above

CONDITIONS RELATED TO FRIENDLY FORCES

VEHICLE MOVEMENT STATUS
Moving
Stationary

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain
Jungle
Desert
Winter
Amphibious

WIND DIRECTION TYPE
Headwind
Tailwind
Cross wind
No wind

WIND DIRECTION-MEASURED
(in mils from gun azimuth in increments selected by user)

WIND VELOCITY
(in knots or in miles per hour in increments selected by user)

PRESSURE
(in millibars in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

HEIGHT ABOVE SEA LEVEL
(in meters in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

ROAD SURFACE TYPE
-All weather road (concrete or bituminous concrete)
-Limited weather road (crushed rock, waterbound macadam, gravel)
-Fair Weather road (natural or stabilized soil, sand or clay, shell, cinder)

CROSS COUNTRY SURFACE TYPE
-Sand
-Bare packed ground

-Light vegetation
-Dense vegetation

LOAD BEARING CAPACITY OF GROUND/ROAD
(In tons in increments specified by user)

GROUND SURFACE STATUS
Dry
Wet
Mud
Ice
Snow
Dust

DEPTH OF WATER OBSTACLE
(in feet in increments defined by user)

CURRENT OF RIVER TO BE FORDED
(in knots or miles per hour in increments defined by the user)

TYPE OF RAIL,BRIDGE, OR TUNNEL
(To be specified by user)

CURVATURE OF ROAD
(Radius in meters in increments to be specified by user)

THREAT/TARGET CONDITIONS

GENERAL TARGET THREAT TYPES
Tank
Armored personnel carrier
Unarmored vehicle
Helicopter
Fixed wing aircraft

Artillery or air defense systems
Troops
Others (to be specified by user)

THREAT TANK AND ASSAULT GUN TYPES
T-62 Medium Tank
T-64 Medium Tank
T-55 Medium Tank
T-72 Medium Tank
SU-85 Assault gun
PT-76 Light Amphibious Tank
Others (to be specified by user)

THREAT ARMORED VEHICLES
BMP-1
BTR 50-P
BRDM-2
BTR 60-P
BMD
Others (To be specified by user)

THREAT TROOP WEAPON TYPES
Assault rifle, AKMS
Antitank grenade launcher, RPG-7
7.62 light machine gun
7.62 heavy machine gun
82-mm mortar
82-mm recoiless gun
antitank gun SPG-9
SAGGER antitank guided missile
Others (To be specified by user)

THREAT HELICOPTER TYPES
Mi-8 HIP C Attack Helicopter
Mi-8 HIP E Attack Helicopter
Mi-8 HIP F Attack Helicopter

HIND A Attack Helicopter
HIND B Attack Helicopter
HIND C Attack Helicopter
HIND D Attack Helicopter
HIND E Attack Helicopter
Mi-2 HOPLITE Transport Helicopter
Mi-4 HOUND Transport Helicopter
Mi-6 HOOK Transport Helicopter
Others (Defined by User)

THREAT FIXED WING AIRCRAFT
Su-15 Fighter Interceptor
Mig-25 FOXBAT Fighter Interceptor
MIG-23 FLOGGER-B Tactical Fighter
MIG-21 FISHBED Tactical Fighter
Su-11 FISHPOT Fighter Interceptor
Su-7 FITTER B Fighter Bomber
Su-24 FENCER Fighter Bomber
MIG-27 FLOGGER D Fighter Bomber
Su-25 FROGFOOT Fighter Bomber
Others (Defined by User)

TYPE OF THREAT ATTACK
Air Attack
Indirect Fire Attack
Sniper Fire Attack
Tank/armored vehicle attack
NBC Attack
Attack with Light Antitank Weapon
Others (To be specified by user)

TARGET AIRCRAFT COURSE
Crossing level
Crossing diving
Incoming diagonal
Outgoing

Hovering

RANGE OF TARGET AIRCRAFT
(In meters in increments specified by user)

TARGET AIRCRAFT SPEED
(In knots or in miles per hour in increments specified by user)

NUMBER OF AIRBORNE TARGETS
(To be specified by user)

TARGET EXPOSURE TIME
(In seconds in increments specified by user)

GROUND TARGET SPEED
(In knots or in miles per hour in increments specified by user)

DIRECTED ENERGY WEAPON
Directed Energy Weapons Present
Directed Energy Weapons Absent

THREAT OBSTACLES
Minefield
Other (To be specified by user)

MOVEMENT STATUS OF GROUND TARGETS
Moving
Stationary

RANGE OF GROUND TARGETS
(in meters in increments selected by user)

ASPECT OF GROUND TARGET
Frontal
Flanking
Oblique

NUMBER OF GROUND TARGETS
(To be specified by user)

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Sound/Flash radar
Movement sensor
Pressure sensor
Radio direction finding system
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

FIRE DISTRIBUTION TYPE
Point
Area

TYPE OF GUNNERY
Precision
Battlesight

MULTIPLE TARGET FIRE PATTERNS
Frontal
Crossfire
Depth

WEAPON TYPES
M231 Firing Port Weapon
25mm automatic gun
M257 Smoke grenade launchers
TOW
M240 Machine gun
Others (To be specified by user)

RATE OF FIRE
Single Shot
Low Rate
High Rate

TYPE OF SIGHT
Integrated Sight Unit
Auxiliary Sight
Naked Eye
Ring Sight
AN/PVS 5 Night Vision Goggles
AN/VVS 2 Night Vision Viewer
Others (To be specified by user)

AMMUNITION TYPE FOR AUTOMATIC GUN
high explosive incendiary-tracer (HEI-T)
armor piercing discarding Sabot -tracer (APDS-T)
target practice-tracer
Others (To be specified by user)

METHODS FOR DETERMINING TARGET RANGE
Naked eye
Binocular
Stadia
Other (to be specified by user)

TYPE OF POWER FOR FIRE CONTROL
Vehicle
Battery

SIGHT MODES
Day
Night

CONDITION OF VEHICLE HATCHS
Buttoned-up

Open

COMMUNICATION MEDIUM
-Intercom
-Squad radio
-FM radio
-Wire
-Visual
-Voice
-Others (To be specified by user)

COMMUNICATION MODE
-Messages encoded and decoded
-Normal message traffic

TYPE OF HIGHER LEVEL UNIT OPERATION BEING SUPPORTED
Offensive
  Movement To Contact
  Hasty Attack
  Deliberate Attack
  Exploitation
  Pursuit
  Reconnaissance In Force
  Raid
  Feint
  Demonstration
Defensive
  Covering Force
  Main Battle
  Deep Attack
  Rear Area Operations
  Retrograde Operations

TYPE OF MOVEMENT WHEN NOT IN CONTACT WITH ENEMY
Traveling
Traveling Overwatch

Bounding Overwatch

FORMATION TYPE
Column
Line
Echelon
Vee
Wedge
Herring Bone
Coil
Laager
Others (To be specified by user)

TYPE OF OFFENSIVE OPERATION
Movement to contact
Assault
Mounted assault with tanks
Mounted assault without tanks
Dismounted assault
Passage of lines
Others (To be specified by user)

TYPE OF DEFENSIVE OPERATION
Disengagement
Aerial defense
Counterattack
Withdrawal
Delay
Reserve
Others (to be specified by user)

COMBAT PATROL MISSIONS
reconnaissance
  route
  zone
  area

ambush
  point
  area
  antiarmor
security/screen
raid

SECURITY/SCREEN OPERATIONS
 Screen
 Guard
 Advance
 Flank
 Rear
 cover
 Others (to be specified by user)

TABLE C-10 CONDITIONS TAXONOMY FOR MEDIUM RANGE MISSILE ARTILLERY SYSTEMS (Self-propelled)

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

CLIMATE TYPE
- -Hot/Dry
- -Hot/Humid
- -Basic/High Humid
- -Basic/Hot
- -Basic/Cold
- -Cold
- -Severe Cold

ELECTROMAGNETIC HAZARDS
- -With electromagnetic hazards
- -Without electromagnetic hazards

TERRAIN CONDITIONS

ROAD TYPE
- -Primary

-secondary
-cross country

NATURAL OBSTACLES
-Rivers and Streams
-Forests
-Mountains
-Lakes and Ponds
-Swamps, Marshes and Bogs
-Other (To be specified by user)

LOAD BEARING CAPACITY OF GROUND/ROAD
(In tons in increments specified by user)

GROUND SURFACE STATUS
Dry
Wet
Mud
Ice
Snow
Dust

SIDE SLOPE OF OBSTACLE TO BE CROSSED
(In percent or in degrees in increments defined by user)

GRADE SLOPE OF OBSTACLE TO BE CROSSED
(In percent or in degrees in increments defined by user)

HORIZONTAL GAP OF DITCHES TO BE CROSSED
(In feet in increments defined by user)

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL
- -MOPP Level 0
- -MOPP Level 1
- -MOPP Level 2
- -MOPP Level 3
- -MOPP Level 4
- -Others(to be specified by user)

TARGET RANGE
(in meter increments defined by user)

ELECTROMAGNETIC PULSE (EMP)
- -With EMP
- -Without EMP

TYPE OF ELECTRONIC WARFARE PRESENT
- -Beaconing
- -Jamming
- -Interference
- -All of above
- -None of above

CONDITIONS RELATED TO FRIENDLY FORCES

FIRING INTENSITY
- -Maximum
- -Sustained

MOVEMENT STATUS
- -Emplaced
- -Moving

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain
Jungle
Desert
Winter
Amphibious

WIND DIRECTION TYPE
Headwind
Tailwind
Cross wind
No wind

WIND DIRECTION-MEASURED
(in mils from gun azimuth in increments selected by user)

WIND VELOCITY
(in knots or in miles per hour in increments selected by user)

PRESSURE
(in millibars in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

HEIGHT ABOVE SEA LEVEL
(in meters in increments selected by user)

PRECIPITATION

Clear

Snow

Ice

Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

ROAD SURFACE TYPE

-All weather road (concrete or bituminous concrete)

-Limited weather road (crushed rock, waterbound macadam, gravel)

-Fair Weather road (natural or stabilized soil, sand or clay, shell, cinder)

CROSS COUNTRY SURFACE TYPE

-Sand

-Bare packed ground

-Light vegetation

-Dense vegetation

SIZE OF VERTICAL WALLS TO BE CROSSED
(in feet in increments defined by user)

DEPTH OF WATER OBSTACLE
(in feet in increments defined by user)

CURRENT OF RIVER TO BE FORDED
(in knots or miles per hour in increments defined by the user)

TYPE OF RAIL,BRIDGE, OR TUNNEL
(To be specified by user)

CURVATURE OF ROAD

(Radius in meters in increments to be specified by user)

THREAT/TARGET CONDITIONS

NUCLEAR TARGET TYPES

Offensive

- Defensive Positions
- Fire support systems
- Command and Control Centers
- Reinforcement of defense
- Counter counterattacks
- Supply installations

Defensive

- Committed Frontline and Breakthrough forces
- Second Echelon lead elements
- Fire Support Systems
- Command and control centers
- Prestocked supplies

NON NUCLEAR TARGET TYPES

Cannon and missile batteries
Command and control elements
Logistical elements
Air defense sites
Forward airfields
Choke points

TYPE OF THREAT ATTACK

Air Attack
Indirect Fire Attack
Sniper Fire Attack
Tank/armored vehicle attack
NBC Attack
Attack with Light Antitank Weapon
Others (To be specified by user)

TYPE OF THREAT TARGET ACQUISITION

Visual

Infrared radar/sensor

Sound/Flash radar

Artillery locating radar

Movement sensor

Pressure sensor

Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

TYPE OF HIGHER LEVEL UNIT OPERATION BEING SUPPORTED

Offensive

- Movement To Contact
- Hasty Attack
- Deliberate Attack
- Exploitation
- Pursuit
- Reconnaissance In Force
- Raid
- Feint
- Demonstration

Defensive

- Covering Force
- Main Battle
- Deep Attack
- Rear Area Operations
- Retrograde Operations

COMMUNICATION MEDIUM

-FM Radio

-Wire

-Intercom

-Others (To be specified by user)

COMMUNICATION MODE

-Messages encoded and decoded

-Normal message traffic

TECHNIQUES OF MOVEMENT

Traveling

Traveling overwatch

Bounding overwatch

METHOD FOR DETERMINING AZIMUTH

PADS optical position and azimuth mark

SIAGL

Astronomic observation

Simultaneous observation

Direction traverse

Others (to be specified by user)

METHODS FOR ESTABLISHING FIRING POINT

Floating firing point

Remote Theodite

M2 Compass

WARHEAD TYPE

Nuclear

Non-nuclear

Service Practice Round

Training Warhead

FIRING POINT STATUS

Surveyed in

Not surveyed in

PLATFORM TYPE

Self-propelled

Towed

Air Transported

STATUS WHEN ATTACKED

Stationary

Moving

TYPE OF SIGHT

Naked Eye

Night With Night Vision Goggles

Others (To be specified by user)

TABLE C-11 CONDITIONS TAXONOMY FOR TOWED HOWITZERS

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

CLIMATE TYPE
- -Hot/Dry
- -Hot/Humid
- -Basic/High Humid
- -Basic/Hot
- -Basic/Cold
- -Cold
- -Severe Cold

ELECTROMAGNETIC HAZARDS
- -With electromagnetic hazards
- -Without electromagnetic hazards

TERRAIN CONDITIONS

LOAD BEARING CAPACITY OF GROUND
(In tons in increments specified by user)

GROUND SURFACE STATUS

Dry

Wet

Mud

Ice

Snow

Dust

SLIDE SLOPE OF TERRAIN

(In percent or in degrees in increments defined by user)

GRADE SLOPE OF TERRAIN

(In percent or in degrees in increments defined by user)

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL

-MOPP Level 0

-MOPP Level 1

-MOPP Level 2

-MOPP Level 3

-MOPP Level 4

-Others(to be specified by user)

TARGET RANGE

(in meter increments defined by user)

ELECTROMAGNETIC PULSE (EMP)

-With EMP

-Without EMP

TYPE OF ELECTRONIC WARFARE PRESENT

-Beaconing

-Jamming

-Interference

-All of above
-None of above

CONDITIONS RELATED TO FRIENDLY FORCES

FIRING MODE
-Direct Fire
-Indirect Fire

PROPELLANT TYPE
-Rocket Assisted
-Normal

QUADRANT ELEVATIONS
(in mils in increments specified by user)

FIRING INTENSITY
-Maximum
-Sustained

MOVEMENT STATUS
-Emplaced
-Moving

DEGRADED MODES OF EQUIPMENT OPERATION
(to be specified by user)

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain
Jungle
Desert

Winter
Amphibious

WIND DIRECTION TYPE
Headwind
Tailwind
Cross wind
No wind

WIND DIRECTION-MEASURED
(in mils from gun azimuth in increments selected by user)

WIND VELOCITY
(in knots or in miles per hour in increments selected by user)

PRESSURE
(in millibars in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

HEIGHT ABOVE SEA LEVEL
(in meters in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

None

THREAT/TARGET CONDITIONS

TARGET TYPE
C3 systems
fire support
maneuver
air defense artillery
engineer
reconnaissance, surveillance, and target acquisition
radio-electronic combat
nuclear/chemical
Class III -POL
Class 5-ammunition
Class 9-maintenance
lift (surface transport/helicopter)
lines of communication
Others (to be specified by user)

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Sound/Flash radar
Artillery locating radar
Movement sensor
Pressure sensor
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

MECHANISMS FOR CONVERTING CALLS FOR FIRE INTO FIRING DATA
- -Manual
- -FADAC
- -TACFIRE
- -Higher Headquarters

-Others (to be specified by user)

TYPE OF HIGHER LEVEL UNIT OPERATION BEING SUPPORTED

Offensive

- Movement To Contact
- Hasty Attack
- Deliberate Attack
- Exploitation
- Pursuit
- Reconnaissance In Force
- Raid
- Feint
- Demonstration

Defensive

- Covering Force
- Main Battle
- Deep Attack
- Rear Area Operations
- Retrograde Operations

AMMUNITION TYPE

-HE-high explosive
-APICM-anti-personnel improved conventional mines
-FASCAM-family of scatterable mines
-COPPERHEAD
-HEP-high explosive plastic
-HEPT-high explosive plastic tracer
-HEAT-high explosive antitank
-SMOKE
-ILLUMINATION
-DPICIM-dual purpose improved conventional munitions
-WP-white phosphorous
-Others (To be specified by user)

TECHNIQUES OF MOVEMENT

Traveling

Traveling overwatch
Bounding overwatch

TYPE OF SIGHT
Naked Eye
Night With Night Vision Goggles
Others (To be specified by user)

TABLE C-12 CONDITIONS TAXONOMY FOR SELF-PROPELLED HOWITZERS

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
-Day
-Night

VISIBILITY TYPE
-Clear
-Fog
-Haze
-Smoke
-Other (To be specified by user)

CLIMATE TYPE
-Hot/Dry
-Hot/Humid
-Basic/High Humid
-Basic/Hot
-Basic/Cold
-Cold
-Severe Cold

ELECTROMAGNETIC HAZARDS
-With electromagnetic hazards
-Without electromagnetic hazards

TERRAIN CONDITIONS

ROAD TYPE
-Primary
-secondary

-cross country

NATURAL OBSTACLES
-Rivers and Streams
-Forests
-Mountains
-Lakes and Ponds
-Swamps, Marshes and Bogs
-Other (To be specified by user)

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL
-MOPP Level 0
-MOPP Level 1
-MOPP Level 2
-MOPP Level 3
-MOPP Level 4
-Others(to be specified by user)

TARGET RANGE
(in meter increments defined by user)

ELECTROMAGNETIC PULSE (EMP)
-With EMP
-Without EMP
TYPE OF ELECTRONIC WARFARE PRESENT
-Beaconing
-Jamming
-Interference
-All of above
-None of above

CONDITIONS RELATED TO FRIENDLY FORCES

FIRING MODE

-Direct Fire

-Indirect Fire

PROPELLANT TYPE

-Rocket Assisted

-Normal

QUADRANT ELEVATIONS

(In mils in increments specified by user)

FIRING INTENSITY

-Maximum

-Sustained

MOVEMENT STATUS

-Emplaced

-Moving

DEGRADED MODES OF EQUIPMENT OPERATION

-Automated fire control system

Operational

Non-operational

-Automated navigation system

Operational

Non-operational

-Others (to be specified by user)

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain

Jungle

Desert
Winter
Amphibious

WIND DIRECTION TYPE
Headwind
Tailwind
Cross wind
No wind

WIND DIRECTION-MEASURED
(in mils from gun azimuth in increments selected by user)

WIND VELOCITY
(in knots or in miles per hour in increments selected by user)

PRESSURE
(in millibars in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

HEIGHT ABOVE SEA LEVEL
(in meters in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

ROAD SURFACE TYPE
-All weather road (concrete or bituminous concrete)
-Limited weather road (crushed rock, waterbound macadam, gravel)
-Fair Weather road (natural or stabilized soil, sand or clay, shell, cinder)

CROSS COUNTRY SURFACE TYPE
-Sand
-Bare packed ground
-Light vegetation
-Dense vegetation

LOAD BEARING CAPACITY OF GROUND/ROAD
(In tons in increments specified by user)

GROUND SURFACE STATUS
Dry
Wet
Mud
Ice
Snow
Dust

SIDE SLOPE OF OBSTACLE TO BE CROSSED
(In per cent or in degrees in increments defined by user)

GRADE SLOPE OF OBSTACLE TO BE CROSSED
(In per cent or in degrees in increments defined by user)

HORIZONTAL GAP OF DITCHES TO BE CROSSED
(in feet in increments defined by user)

SIZE OF VERTICAL WALLS TO BE CROSSED
(in feet in increments defined by user)

DEPTH OF WATER OBSTACLE
(in feet in increments defined by user)

CURRENT OF RIVER TO BE FORDED
(in knots or miles per hour in increments defined by the user)

TYPE OF RAIL,BRIDGE, OR TUNNEL
(To be specified by user)

CURVATURE OF ROAD
(Radius in meters in increments to be specified by user)

THREAT/TARGET CONDITIONS

TARGET TYPE
C3 systems
fire support
maneuver
air defense artillery
engineer
reconnaissance, surveillance, and target acquisition
radio-electronic combat
nuclear/chemical
Class III -POL
Class 5-ammunition
Class 9-maintenance
lift (surface transport/helicopter)
lines of communication
Others (to be specified by user)

TYPE OF THREAT ATTACK
Air Attack
Indirect Fire Attack
Sniper Fire Attack
Tank/armored vehicle attack
NBC Attack

Attack with Light Antitank Weapon
Others (To be specified by user)

TYPE OF AIRBORNE THREAT
Helicopter
High Performance Aircraft

TARGET AIRCRAFT COURSE
Crossing level
Crossing diving
Incoming diagonal
Outgoing
Hovering

RANGE OF TARGET AIRCRAFT
(In meters in increments specified by user)

TARGET AIRCRAFT SPEED
(In knots or in miles per hour in increments specified by user)

VEHICLE MOVEMENT STATUS WHEN FIRING CREW SERVED WEAPONS
Moving
Stationary

GROUND TARGET TYPE
Troops
Armored Vehicle
Light skin vehicle
Others (to be specified by user)

GROUND TARGET CLASS
Point
Area

GROUND TARGET SPEED

(In knots or in miles per hour in increments specified by user)

DIRECTED ENERGY WEAPON
Directed Energy Weapons Present
Directed Energy Weapons Absent

THREAT OBSTACLES
Minefield
Other (To be specified by user)

MOVEMENT STATUS OF GROUND TARGETS
Moving
Stationary

RANGE OF GROUND TARGETS
(in meters in increments selected by user)

ASPECT OF GROUND TARGET
Frontal
Flanking
Oblique

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Sound/Flash radar
Artillery locating radar
Movement sensor
Pressure sensor
Radio direction finding system
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

MECHANISMS FOR CONVERTING CALLS FOR FIRE INTO FIRING DATA

-Manual
-FADAC
-TACFIRE
-Higher Headquarters
-Others (to be specified by user)

TYPE OF HIGHER LEVEL UNIT OPERATION BEING SUPPORTED

Offensive
- Movement To Contact
- Hasty Attack
- Deliberate Attack
- Exploitation
- Pursuit
- Reconnaissance In Force
- Raid
- Feint
- Demonstration

Defensive
- Covering Force
- Main Battle
- Deep Attack
- Rear Area Operations
- Retrograde Operations

AMMUNITION TYPE

-HE-high explosive
-APICM-anti-personnel improved conventional mines
-FASCAM-family of scatterable mines
-COPPERHEAD
-HEP-high explosive plastic
-HEPT-high explosive plastic tracer
-HEAT-high explosive antitank
-SMOKE
-ILLUMINATION
-DPICIM-dual purpose improved conventional munitions
-WP-white phosphorous

-Others (To be specified by user)

COMMUNICATION MEDIUM
-FM Radio
-Wire
-Intercom
-Others (To be specified by user)

COMMUNICATION MODE
-Messages encoded and decoded
-Normal message traffic

TECHNIQUES OF MOVEMENT
Traveling
Traveling overwatch
Bounding overwatch

TYPE OF SIGHT
Naked Eye
Night Vision Goggles
Others (To be specified by user)

CONDITIONS TAXONOMY FOR ROCKET FIELD ARTILLERY SYSTEM

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

CLIMATE TYPE
- -Hot/Dry
- -Hot/Humid
- -Basic/High Humid
- -Basic/Hot
- -Basic/Cold
- -Cold
- -Severe Cold

ELECTROMAGNETIC HAZARDS
- -With electromagnetic hazards
- -Without electromagnetic hazards

TERRAIN CONDITIONS

ROAD TYPE
- -Primary
- -secondary

-cross country

NATURAL OBSTACLES
-Rivers and Streams
-Forests
-Mountains
-Lakes and Ponds
-Swamps, Marshes and Bogs
-Other (To be specified by user)

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL
-MOPP Level 0
-MOPP Level 1
-MOPP Level 2
-MOPP Level 3
-MOPP Level 4
-Others(to be specified by user)

TARGET RANGE
(in meter increments defined by user)

ELECTROMAGNETIC PULSE (EMP)
-With EMP
-Without EMP
TYPE OF ELECTRONIC WARFARE PRESENT
-Beaconing
-Jamming
-Interference
-All of above
-None of above

CONDITIONS RELATED TO FRIENDLY FORCES

FIRING INTENSITY

-Maximum

-Sustained

MOVEMENT STATUS

-Emplaced

-Moving

DEGRADED MODES OF EQUIPMENT OPERATION

-TBD

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain

Jungle

Desert

Winter

Amphibious

WIND DIRECTION TYPE

Headwind

Tailwind

Cross wind

No wind

WIND DIRECTION-MEASURED

(in mils from gun azimuth in increments selected by user)

WIND VELOCITY

(in knots or in miles per hour in increments selected by user)

PRESSURE
(in millibars in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

HEIGHT ABOVE SEA LEVEL
(in meters in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

ROAD SURFACE TYPE
-All weather road (concrete or bituminous concrete)
-Limited weather road (crushed rock, waterbound macadam, gravel)
-Fair Weather road (natural or stabilized soil, sand or clay, shell, cinder)

CROSS COUNTRY SURFACE TYPE
-Sand
-Bare packed ground
-Light vegetation
-Dense vegetation

LOAD BEARING CAPACITY OF GROUND/ROAD
(In tons in increments specified by user)

GROUND SURFACE STATUS

Dry

Wet

Mud

Ice

Snow

Dust

SIDE SLOPE OF OBSTACLE TO BE CROSSED

(In per cent or in degrees in increments defined by user)

GRADE SLOPE OF OBSTACLE TO BE CROSSED

(In per cent or in degrees in increments defined by user)

HORIZONTAL GAP OF DITCHES TO BE CROSSED

(in feet in increments defined by user)

SIZE OF VERTICAL WALLS TO BE CROSSED

(in feet in increments defined by user)

DEPTH OF WATER OBSTACLE

(in feet in increments defined by user)

CURRENT OF RIVER TO BE FORDED

(in knots or miles per hour in increments defined by the user)

TYPE OF RAIL,BRIDGE, OR TUNNEL

(To be specified by user)

CURVATURE OF ROAD

(Radius in meters in increments to be specified by user)

THREAT/TARGET CONDITIONS

TARGET TYPE

C3 systems

fire support
maneuver
air defense artillery
engineer
reconnaissance, surveillance, and target acquisition
radio-electronic combat
nuclear/chemical
Class III -POL
Class 5-ammunition
Class 9-maintenance
lift (surface transport/helicopter)
lines of communication
Others (to be specified by user)

TYPE OF THREAT ATTACK
Air Attack
Indirect Fire Attack
Sniper Fire Attack
Tank/armored vehicle attack
NBC Attack
Attack with Light Antitank Weapon
Others (To be specified by user)

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Sound/Flash radar
Artillery locating radar
Movement sensor
Pressure sensor
Radio direction finding system
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

MECHANISMS FOR CONVERTING CALLS FOR FIRE INTO FIRING DATA

-Manual

-FADAC

-TACFIRE

-Higher Headquarters

-Others (to be specified by user)

TYPE OF HIGHER LEVEL UNIT OPERATION BEING SUPPORTED

Offensive

Movement To Contact

Hasty Attack

Deliberate Attack

Exploitation

Pursuit

Reconnaissance In Force

Raid

Feint

Demonstration

Defensive

Covering Force

Main Battle

Deep Attack

Rear Area Operations

Retrograde Operations

AMMUNITION TYPE

-Dual Purpose Improved Conventional Munition

-Terminally Guided Warhead

-AT-2 scatterable minehead

-Sense and Destroy Armor Warhead

-Binary Chemical Warhead

-Others (To be specified by user)

COMMUNICATION MEDIUM

-FM Radio

-Wire

-Intercom
-Others (To be specified by user)

COMMUNICATION MODE
-Messages encoded and decoded
-Normal message traffic

TECHNIQUES OF MOVEMENT
Traveling
Traveling overwatch
Bounding overwatch

FIRING INTENSITY
-Maximum
-Sustained

TYPE OF SIGHT
Naked Eye
Night Vision Goggles
Others (To be specified by user)

TABLE C-14 CONDITIONS TAXONOMY FOR MOBILE GUN SYSTEM

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

CLIMATE TYPE
- -Hot/Dry
- -Hot/Humid
- -Basic/High Humid
- -Basic/Hot
- -Basic/Cold
- -Cold
- -Severe Cold

ELECTROMAGNETIC HAZARDS
- -With electromagnetic hazards
- -Without electromagnetic hazards

TERRAIN CONDITIONS

ROAD TYPE
- -Primary
- -secondary

-cross country

NATURAL OBSTACLES
-Rivers and Streams
-Forests
-Mountains
-Lakes and Ponds
-Swamps, Marshes and Bogs
-Other (To be specified by user)

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL
-MOPP Level 0
-MOPP Level 1
-MOPP Level 2
-MOPP Level 3
-MOPP Level 4
-Others(to be specified by user)

TARGET RANGE
(in meter increments defined by user)

TARGET TYPE
Aircraft
Ground

ELECTROMAGNETIC PULSE (EMP)
-With EMP
-Without EMP

TYPE OF ELECTRONIC WARFARE PRESENT
-Beaconing
-Jamming
-Interference

-All of above
-None of above

CONDITIONS RELATED TO FRIENDLY FORCES

FIRING INTENSITY
-Maximum/Low Fire
-Sustained/High Fire

MOVEMENT STATUS
-Emplaced
-Moving

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain
Jungle
Desert
Winter
Amphibious

WIND DIRECTION TYPE
Headwind
Tailwind
Cross wind
No wind

WIND DIRECTION-MEASURED
(in mils from gun azimuth in increments selected by user)

WIND VELOCITY
(in knots or in miles per hour in increments selected by user)

PRESSURE
(in millibars in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

HEIGHT ABOVE SEA LEVEL
(in meters in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

ROAD SURFACE TYPE
-All weather road (concrete or bituminous concrete)
-Limited weather road (crushed rock, waterbound macadam, gravel)
-Fair Weather road (natural or stabilized soil, sand or clay, shell, cinder)

CROSS COUNTRY SURFACE TYPE
-Sand
-Bare packed ground
-Light vegetation
-Dense vegetation

LOAD BEARING CAPACITY OF GROUND/ROAD
(In tons in increments specified by user)

GROUND SURFACE STATUS

Dry

Wet

Mud

Ice

Snow

Dust

SIDE SLOPE OF OBSTACLE TO BE CROSSED

(In per cent or in degrees in increments defined by user)

GRADE SLOPE OF OBSTACLE TO BE CROSSED

(In per cent or in degrees in increments defined by user)

HORIZONTAL GAP OF DITCHES TO BE CROSSED

(in feet in increments defined by user)

SIZE OF VERTICAL WALLS TO BE CROSSED

(in feet in increments defined by user)

DEPTH OF WATER OBSTACLE

(in feet in increments defined by user)

CURRENT OF RIVER TO BE FORDED

(in knots or miles per hour in increments defined by the user)

TYPE OF RAIL,BRIDGE, OR TUNNEL

(To be specified by user)

CURVATURE OF ROAD

(Radius in meters in increments to be specified by user)

THREAT/TARGET CONDITIONS

TYPE OF THREAT ATTACK

Air Attack
Indirect Fire Attack
Sniper Fire Attack
Tank/armored vehicle attack
NBC Attack
Attack with Light Antitank Weapon
Others (To be specified by user)

TYPE OF AIRBORNE THREAT
Helicopter
High Performance Aircraft

THREAT HELICOPTER TYPES
Mi-8 HIP C Attack Helicopter
Mi-8 HIP E Attack Helicopter
Mi-8 HIP F Attack Helicopter
HIND A Attack Helicopter
HIND B Attack Helicopter
HIND C Attack Helicopter
HIND D Attack Helicopter
HIND E Attack Helicopter
Mi-2 HOPLITE Transport Helicopter
Mi-4 HOUND Transport Helicopter
Mi-6 HOOK Transport Helicopter
Others (Defined by User)

THREAT FIXED WING AIRCRAFT TYPES
Su-15 Fighter Interceptor
Mig-25 FOXBAT Fighter Interceptor
MIG-23 FLOGGER-B Tactical Fighter
MIG-21 FISHBED Tactical Fighter
Su-11 FISHPOT Fighter Interceptor
Su-7 FITTER B Fighter Bomber
Su-24 FENCER Fighter Bomber
MIG-27 FLOGGER D Fighter Bomber
Su-25 FROGFOOT Fighter Bomber

Others (Defined by User)

TARGET AIRCRAFT COURSE
Crossing level
Crossing diving
Incoming diagonal
Outgoing
Hovering

RANGE OF TARGET AIRCRAFT
(In meters in increments specified by user)

TARGET AIRCRAFT SPEED
(In knots or in miles per hour in increments specified by user)

SIZE OF THREAT AIRCRAFT
(In meters in increments specified by user)

TARGET EXPOSURE TIME
(In seconds in increments specified by user)

ALTITUDE OF TARGET
(In feet, increments defined by user)

GROUND TARGET TYPE
Troops
Armored Vehicle
Light skin vehicle
Others (to be specified by user)

GROUND TARGET CLASS
Point
Area

GROUND TARGET SPEED
(In knots or in miles per hour in increments specified by user)

DIRECTED ENERGY WEAPON
Directed Energy Weapons Present
Directed Energy Weapons Absent

THREAT OBSTACLES
Minefield
Other (To be specified by user)

MOVEMENT STATUS OF GROUND TARGETS
Moving
Stationary

RANGE OF GROUND TARGETS
(in meters in increments selected by user)

ASPECT OF GROUND TARGET
Frontal
Flanking
Oblique

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Sound/Flash radar
Artillery locating radar
Movement sensor
Pressure sensor
Radio direction finding system
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

BORESIGHT METHOD
Distant Aiming Point

Target

WEAPON TYPE
20mm
Others (To be specified by user)

AMMUNITION TYPE
HEIT-SD, High Explosive Incendiary With Tracer Self-Destroying
HEI, High Explosive Incendiary
TP-T-Target Practice Tracer
TP-Target Practice
Dummy
Others (To be specified by user)

AIR DEFENSE WARNING STATUS
Red-Attack in progress or imminent
Yellow-Attack probable
White-Attack not probable

WEAPONS CONTROL STATUS
Weapons free
Weapons tight
Weapons hold

TYPE OF GROUND SUPPORT
Direct fire-perimeter defense
Ground direct fire
Indirect fire

TYPES OF AIR DEFENSE
March Column
Maneuver Force
Critical Asset/Combat Support Element
Company Size Maneuver Force

VEHICLE MOVEMENT

Moving
Stationary

FIRING RATE
Low fire
High fire

TYPE OF DEFENSE
Static Point
Mobile Point

SPECIAL OPERATIONS
Airborne Operations
Air Assault Operations
Defense of Railroad train

TYPE OF SIGHT
Naked Eye
Night Vision Goggles
Others (To be specified by user)

TYPE OF HIGHER LEVEL UNIT OPERATION BEING SUPPORTED
Offensive
  Movement To Contact
  Hasty Attack
  Deliberate Attack
  Exploitation
  Pursuit
  Reconnaissance In Force
  Raid
  Feint
  Demonstration
Defensive
  Covering Force
  Main Battle
  Deep Attack

Rear Area Operations
Retrograde Operations

COMMUNICATION MEDIUM
-FM Radio
-Wire
-Intercom
-Others (To be specified by user)

COMMUNICATION MODE
-Messages encoded and decoded
-Normal message traffic

TECHNIQUES OF MOVEMENT
Traveling
Traveling overwatch
Bounding overwatch

TABLE C-15 CONDITIONS TAXONOMY FOR MAN-PORTABLE AIR DEFENSE SYSTEM

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

CLIMATE TYPE
- -Hot/Dry
- -Hot/Humid
- -Basic/High Humid
- -Basic/Hot
- -Basic/Cold
- -Cold
- -Severe Cold

TERRAIN CONDITIONS

None

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL
- -MOPP Level 0

-MOPP Level 1
-MOPP Level 2
-MOPP Level 3
-MOPP Level 4
-Others(to be specified by user)

TARGET RANGE
(in meter increments defined by user)

TARGET TYPE
Aircraft
Ground

CONDITIONS RELATED TO FRIENDLY FORCES

INITIAL ENGAGEMENT POSITION
Mounted
Foot-march
Foxhole

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

ELECTROMAGNETIC HAZARDS
-With electromagnetic hazards
-Without electromagnetic hazards

SPECIAL ENVIRONMENTS

Mountain
Jungle
Desert
Winter
Amphibious

WIND DIRECTION TYPE
Headwind
Tailwind
Cross wind
No wind

WIND DIRECTION-MEASURED
(in mils from gun azimuth in increments selected by user)

WIND VELOCITY
(in knots or in miles per hour in increments selected by user)

PRESSURE
(in millibars in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

HEIGHT ABOVE SEA LEVEL
(in meters in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

None

THREAT/TARGET CONDITIONS

ELECTROMAGNETIC PULSE (EMP)

- -With EMP
- -Without EMP

TYPE OF ELECTRONIC WARFARE PRESENT

- -Beaconing
- -Jamming
- -Interference
- -All of above
- -None of above

TYPE OF THREAT ATTACK

Air Attack
Indirect Fire Attack
Sniper Fire Attack
Tank/armored vehicle attack
NBC Attack
Attack with Light Antitank Weapon
Others (To be specified by user)

TYPE OF AIRBORNE THREAT

Helicopter
High Performance Aircraft

THREAT HELICOPTER TYPES

Mi-8 HIP C Attack Helicopter
Mi-8 HIP E Attack Helicopter
Mi-8 HIP F Attack Helicopter
HIND A Attack Helicopter
HIND B Attack Helicopter
HIND C Attack Helicopter
HIND D Attack Helicopter
HIND E Attack Helicopter
Mi-2 HOPLITE Transport Helicopter

Mi-4 HOUND Transport Helicopter
Mi-6 HOOK Transport Helicopter
Others (Defined by User)

THREAT FIXED WING AIRCRAFT TYPES
Su-15 Fighter Interceptor
Mig-25 FOXBAT Fighter Interceptor
MIG-23 FLOGGER-B Tactical Fighter
MIG-21 FISHBED Tactical Fighter
Su-11 FISHPOT Fighter Interceptor
Su-7 FITTER B Fighter Bomber
Su-24 FENCER Fighter Bomber
MIG-27 FLOGGER D Fighter Bomber
Su-25 FROGFOOT Fighter Bomber
Others (Defined by User)

TARGET AIRCRAFT COURSE
Crossing level
Crossing diving
Incoming diagonal
Outgoing
Hovering

RANGE OF TARGET AIRCRAFT
(In meters in increments specified by user)

TARGET AIRCRAFT SPEED
(In knots or in miles per hour in increments specified by user)

SIZE OF THREAT AIRCRAFT
(In meters in increments specified by user)

TARGET EXPOSURE TIME
(In seconds in increments specified by user)

ALTITUDE OF TARGET

(In feet, increments defined by user)

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Sound/Flash radar
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

AMMUNITION TYPE
HEIT-SD, High Explosive Incendiary With Tracer Self-Destroying
HEI, High Explosive Incendiary
TP-T-Target Practice Tracer
TP-Target Practice
Dummy
Others (To be specified by user)

AIR DEFENSE WARNING STATUS
Red-Attack in progress or imminent
Yellow-Attack probable
White-Attack not probable

WEAPONS CONTROL STATUS
Weapons free
Weapons tight
Weapons hold

TYPE OF GROUND SUPPORT
direct fire-perimeter defense
ground direct fire
indirect fire

TYPES OF AIR DEFENSE

March Column
Maneuver Force
Critical Asset/Combat Support Element
Company Size Maneuver Force

IRING RATE
Low fire
High fire

TYPE OF DEFENSE
Static Point
Mobile Point

SPECIAL OPERATIONS
Airborne Operations
Air Assault Operations
Defense of Railroad train

TYPE OF SIGHT
Naked Eye
Night Vision Goggles
Others (To be specified by user)

TABLE C-16 CONDITIONS TAXONOMY FOR ATTACK HELICOPTER

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

FLIGHT RULES/CONDITION
-Instrument Flight Rules/Instrument Flight Conditions
-Visual Flight Rules/Visual Flight Conditions

CLIMATE TYPE
-Hot/Dry
-Hot/Humid
-Basic/High Humid
-Basic/Hot
-Basic/Cold
-Cold
-Severe Cold

ALTITUDE
(in feet above ground level in increments selected by the user)

ELECTROMAGNETIC HAZARDS
-With electromagnetic hazards
-Without electromagnetic hazards

TERRAIN CONDITIONS

TYPE OF LANDING AREA
Confined Area
Slopes
Pinnacle or Ridge
Water
Normal runway
Others (to be specified by user)

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL
- -MOPP Level 0
- -MOPP Level 1
- -MOPP Level 2
- -MOPP Level 3
- -MOPP Level 4
- -Others(to be specified by user)

TARGET RANGE
(in meter increments defined by user)

ELECTROMAGNETIC PULSE (EMP)
- -With EMP
- -Without EMP

TYPE OF ELECTRONIC WARFARE
Signal Intercept
Direction Finding
Jamming
Meaconing(Deception)
All of the above
None of the above

GENERAL TARGET TYPE

Armored Vehicle

Light skinned/unarmored vehicle

Troops

Airborne Threat

Fixed threat emplacement

Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

MODES OF FLIGHT

Regular

Terrain

- -Low Level
- -Contour
- -Nap of the Earth

NAVIGATION TECHNIQUE

Radio

FM Homing

Dead Reckoning

Pilotage

Doppler

OMEGA/GPS

Others (to be specified by user)

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain

Jungle

Desert
Winter
Amphibious

WIND DIRECTION TYPE
Headwind
Tailwind
Cross wind
No wind

WIND DIRECTION-MEASURED
(in degrees from aircraft azimuth in increments selected by user)

WIND VELOCITY
(in knots or in miles per hour in increments selected by user)

PRESSURE
(in millibars in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

LOAD BEARING CAPACITY OF GROUND
(In tons in increments specified by user)

GROUND SURFACE STATUS
Dry
Wet
Mud
Ice
Snow
Dust

SIDE SLOPE OF TERRAIN
(In per cent or in degrees in increments defined by user)

GRADE SLOPE OF TERRAIN
(In per cent or in degrees in increments defined by user)

THREAT/TARGET CONDITIONS

TYPES OF THREAT
Small arms
tank
large caliber antiaircraft fire
high performance aircraft
helicopter
Heat Seeking Missile
Antitank Guided Missile and Rocket Propelled Grenades
Air defense missiles

NUMBER OF TARGETS
Single
multiple

TARGET EXPOSURE TIME
(In seconds in increments specified by user)

GROUND TARGET CLASS
Point
Area

GROUND TARGET SPEED
(In knots or in miles per hour in increments specified by user)

DIRECTED ENERGY WEAPON
Directed Energy Weapons Present
Directed Energy Weapons Absent

THREAT OBSTACLES
Minefield
Other (To be specified by user)

MOVEMENT STATUS OF GROUND TARGETS
Moving
Stationary

RANGE OF GROUND TARGETS
(in meters in increments selected by user)

ASPECT OF GROUND TARGET
Frontal
Flanking
Oblique

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Air defense radar
Radio direction finding system
Radar direction finding system
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

TYPE OF SIGHT

Night Vision Goggles
Night Hawk
Naked Eye
Binoculars
Target Acquisition and Designation Sight
Others (to be specified by user)

WEAPON TYPE
Air to Air Stinger
30-mm cannon
2.75 inch FFAR/Hydra
HELLFIRE
Others (to be specified by user)

FLIGHT MODE
Hover
Moving

WEAPON MODE
TSU
HSS
Direct Laser
Direct
Indirect
Stadiametric
Indirect Stadiametric
Direct Stadiametric
Reflex Sight
Reflex Direct
Reflex Indirect
Flex
Fixed
Others (to be specified by user)

AFT PILOT STATUS
With AFT Pilot

Without AFT Pilot

DEGRADED MODES OF OPERATION

Engine

One engine operational

Both engines operational

Hydraulic System

Operational

Non- operational

Stability Augmentation System/automatic Flight Control

Operational

Non-operational

AFSC Servo

Operational

Non-operational

Two way radio

Operational

Non-operational

Electrical Control Unit lockout

Operational

Non-operational

Stabilator

Operational

Non-operational

Night Vision Sensor

Operational

Non-operational

TYPE OF NAVIGATIONAL AID

VOR

LOC

ASR

NDB

Others (to be specified by user)

TAKEOFF GROSS WEIGHT

(in lbs. in increments specified by user

MAXIMUM WEIGHT OF LOAD
(in lbs in increments specified by user)

TYPE OF ECCM
Jamming
Chaff
Flares
Others (to be specified by user)

COMMUNICATION MEDIUM
-Two way radio
-Intercom
-Others (To be specified by user)

COMMUNICATION MODE
-Messages encoded and decoded
-Normal message traffic

TYPE OF HIGHER LEVEL UNIT OPERATION BEING SUPPORTED
Offensive
  Movement To Contact
  Hasty Attack
  Deliberate Attack
  Exploitation
  Pursuit
  Reconnaissance In Force
  Raid
  Feint
  Demonstration
Defensive
  Covering Force
  Main Battle
  Deep Attack
  Rear Area Operations

Retrograde Operations

TYPE OF RECONNAISSANCE
Route
River
Area
Zone

TYPES OF SECURITY OPERATIONS
Screen
Guard
Cover
Area

TECHNIQUES OF MOVEMENT
Traveling
Traveling overwatch
Bounding overwatch

SPECIAL OPERATIONS
command and control
courier/messenger
aerial radio relay
aerial column control/traffic survey
aerial radiological survey
aerial artillery observation and adjustment
amphibious/sea
search and rescue
Others (to be specified by user)

TABLE C-17 CONDITIONS TAXONOMY FOR CARGO HELICOPTER

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

FLIGHT RULES/CONDITION
-Instrument Flight Rules/Instrument Flight Conditions
-Visual Flight Rules/Visual Flight Conditions

CLIMATE TYPE
-Hot/Dry
-Hot/Humid
-Basic/High Humid
-Basic/Hot
-Basic/Cold
-Cold
-Severe Cold

ALTITUDE
(in feet above ground level in increments selected by the user)

ELECTROMAGNETIC HAZARDS
-With electromagnetic hazards
-Without electromagnetic hazards

TERRAIN CONDITIONS

TYPE OF LANDING AREA
Confined Area
Slopes
Pinnacle or Ridge
Water
Normal runway
Others (to be specified by user)

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL
- -MOPP Level 0
- -MOPP Level 1
- -MOPP Level 2
- -MOPP Level 3
- -MOPP Level 4
- -Others(to be specified by user)

TARGET RANGE
(in meter increments defined by user)

ELECTROMAGNETIC PULSE (EMP)
- -With EMP
- -Without EMP

TYPE OF ELECTRONIC WARFARE
Signal Intercept
Direction Finding
Jamming
Meaconing(Deception)
All of the above
None of the above

GENERAL TARGET TYPE
Armored Vehicle
Light skinned/unarmored vehicle
Troops
Airborne Threat
Fixed threat emplacement
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

MODES OF FLIGHT
Regular
Terrain
- -Low Level
- -Contour
- -Nap of the Earth

NAVIGATION TECHNIQUE
Radio
FM Homing
Dead Reckoning
Pilotage
Doppler
OMEGA/GPS
Others (to be specified by user)

LOAD TYPE
External
Internal

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain
Jungle
Desert
Winter
Amphibious

WIND DIRECTION TYPE
Headwind
Tailwind
Cross wind
No wind

WIND DIRECTION-MEASURED
(in degrees from aircraft azimuth in increments selected by user)

WIND VELOCITY
(in knots or in miles per hour in increments selected by user)

PRESSURE
(in millibars in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

LOAD BEARING CAPACITY OF GROUND
(In tons in increments specified by user)

GROUND SURFACE STATUS
Dry
Wet
Mud
Ice
Snow
Dust

SIDE SLOPE OF TERRAIN
(In per cent or in degrees in increments defined by user)

GRADE SLOPE OF TERRAIN
(In per cent or in degrees in increments defined by user)

THREAT/TARGET CONDITIONS

NUMBER OF TARGETS
Single
Multiple

TARGET EXPOSURE TIME
(In seconds in increments specified by user)

GROUND TARGET CLASS
Point
Area

GROUND TARGET SPEED
(In knots or in miles per hour in increments specified by user)

DIRECTED ENERGY WEAPON
Directed Energy Weapons Present
Directed Energy Weapons Absent

THREAT OBSTACLES
Minefield
Other (To be specified by user)

MOVEMENT STATUS OF GROUND TARGETS
Moving
Stationary

RANGE OF GROUND TARGETS
(in meters in increments selected by user)

ASPECT OF GROUND TARGET
Frontal
Flanking
Oblique

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Air defense radar
Radio direction finding system
Radar direction finding system
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

TYPE OF SIGHT
Night Vision Goggles
Night Hawk
Naked Eye
Binoculars

Target Acquisition and Designation Sight
Others (to be specified by user)

WEAPON TYPE
7.62 mm machine gun
Others (to be specified by user)

FLIGHT MODE
Hover
Moving

DEGRADED MODES OF OPERATION
Engine
  One engine operational
  Both engines operational
Hydraulic System
  Operational
  Non- operational
Stability Augmentation System/automatic Flight Control
  Operational
  Non-operational
AFSC Servo
  Operational
  Non-operational
Two way radio
  Operational
  Non-operational
Electrical Control Unit lockout
  Operational
  Non-operational
Stabilator
  Operational
  Non-operational
Night Vision Sensor
  Operational
  Non-operational

TYPE OF NAVIGATIONAL AID
VOR
LOC
ASR
NDB
Others (to be specified by user)

TAKEOFF GROSS WEIGHT
(in lbs. in increments specified by user

MAXIMUM WEIGHT OF LOAD
(in lbs in increments specified by user)

TYPE OF ECCM
Jamming
Chaff
Flares
Others (to be specified by user)

COMMUNICATION MEDIUM
-Two way radio
-Intercom
-Others (To be specified by user)

COMMUNICATION MODE
-Messages encoded and decoded
-Normal message traffic

TYPE OF HIGHER LEVEL UNIT OPERATION BEING SUPPORTED
Offensive
  Movement To Contact
  Hasty Attack
  Deliberate Attack
  Exploitation
  Pursuit

Reconnaissance In Force
Raid
Feint
Demonstration

Defensive
Covering Force
Main Battle
Deep Attack
Rear Area Operations
Retrograde Operations

TECHNIQUES OF MOVEMENT
Traveling
Traveling overwatch
Bounding overwatch

SPECIAL OPERATIONS
command and control
courier/messenger
aerial radio relay
emergency aerial resupply
aerial column control/traffic survey
aerial radiological survey
aerial artillery observation and adjustment
amphibious/sea
parachuting
repelling
search and rescue
paradrop
internal hoist
aerial mine delivery
Others (to be specified by user)

TABLE C-18 CONDITIONS TAXONOMY FOR UTILITY HELICOPTER

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

FLIGHT RULES/CONDITION
-Instrument Flight Rules/Instrument Flight Conditions
-Visual Flight Rules/Visual Flight Conditions

CLIMATE TYPE
-Hot/Dry
-Hot/Humid
-Basic/High Humid
-Basic/Hot
-Basic/Cold
-Cold
-Severe Cold

ALTITUDE
(in feet above ground level in increments selected by the user)

ELECTROMAGNETIC HAZARDS
- -With electromagnetic hazards
- -Without electromagnetic hazards

TERRAIN CONDITIONS

TYPE OF LANDING AREA
Confined Area
Slopes
Pinnacle or Ridge
Water
Normal runway
Others (to be specified by user)

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL
- -MOPP Level 0
- -MOPP Level 1
- -MOPP Level 2
- -MOPP Level 3
- -MOPP Level 4
- -Others(to be specified by user)

TARGET RANGE
(in meter increments defined by user)

ELECTROMAGNETIC PULSE (EMP)
- -With EMP
- -Without EMP

TYPE OF ELECTRONIC WARFARE
Signal Intercept
Direction Finding
Jamming
Meaconing(Deception)
All of the above
None of the above

GENERAL TARGET TYPE
Armored Vehicle
Light skinned/unarmored vehicle
Troops
Airborne Threat
Fixed threat emplacement
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

MODES OF FLIGHT
Regular
Terrain
- -Low Level
- -Contour
- -Nap of the Earth

NAVIGATION TECHNIQUE
Radio
FM Homing
Dead Reckoning
Pilotage
Doppler
OMEGA/GPS
Others (to be specified by user)

LOAD TYPE
External
Internal

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain
Jungle
Desert
Winter
Amphibious

WIND DIRECTION TYPE
Headwind
Tailwind
Cross wind
No wind

WIND DIRECTION-MEASURED
(in degrees from aircraft azimuth in increments selected by user)

WIND VELOCITY
(in knots or in miles per hour in increments selected by user)

PRESSURE
(in millibars in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

LOAD BEARING CAPACITY OF GROUND
(In tons in increments specified by user)

GROUND SURFACE STATUS
Dry
Wet
Mud
Ice
Snow
Dust

SIDE SLOPE OF TERRAIN
(In per cent or in degrees in increments defined by user)

GRADE SLOPE OF TERRAIN
(In per cent or in degrees in increments defined by user)

THREAT/TARGET CONDITIONS

NUMBER OF TARGETS
Single
Multiple

TARGET EXPOSURE TIME
(In seconds in increments specified by user)

GROUND TARGET CLASS
Point
Area

GROUND TARGET SPEED
(In knots or in miles per hour in increments specified by user)

DIRECTED ENERGY WEAPON
Directed Energy Weapons Present

Directed Energy Weapons Absent

THREAT OBSTACLES
Minefield
Other (To be specifief by user)

MOVEMENT STATUS OF GROUND TARGETS
Moving
Stationary

RANGE OF GROUND TARGETS
(in meters in increments selected by user)

ASPECT OF GROUND TARGET
Frontal
Flanking
Oblique

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Air defense radar
Radio direction finding system
Radar direction finding system
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

TYPE OF SIGHT
Night Vision Goggles
Night Hawk
Naked Eye
Binoculars
Target Acquisition and Designation Sight
Others (to be specified by user)

WEAPON TYPE

7.62 mm machine gun

HELLFIRE

Others (to be specified by user)

FLIGHT MODE

Hover

Moving

DEGRADED MODES OF OPERATION

Engine

- One engine operational
- Both engines operational

Hydraulic System

- Operational
- Non- operational

Stability Augmentation System/automatic Flight Control

- Operational
- Non-operational

AFSC Servo

- Operational
- Non-operational

Two way radio

- Operational
- Non-operational

Electrical Control Unit lockout

- Operational
- Non-operational

Stabilator

- Operational
- Non-operational

Night Vision Sensor

- Operational
- Non-operational

TYPE OF NAVIGATIONAL AID

VOR
LOC
ASR
NDB
Others (to be specified by user)

TAKEOFF GROSS WEIGHT
(in lbs. in increments specified by user

MAXIMUM WEIGHT OF LOAD
(in lbs in increments specified by user)

TYPE OF ECCM
Jamming
Chaff
Flares
Others (to be specified by user)

COMMUNICATION MEDIUM
-Two way radio
-Intercom
-Others (To be specified by user)
COMMUNICATION MODE
-Messages encoded and decoded
-Normal message traffic

TYPE OF HIGHER LEVEL UNIT OPERATION BEING SUPPORTED
Offensive
- Movement To Contact
- Hasty Attack
- Deliberate Attack
- Exploitation
- Pursuit
- Reconnaissance In Force
- Raid
- Feint

Demonstration

Defensive

Covering Force

Main Battle

Deep Attack

Rear Area Operations

Retrograde Operations

TYPE OF RECONNAISSANCE

Route

River

Area

Zone

TYPES OF SECURITY OPERATIONS

Screen

Guard

Cover

Area

TECHNIQUES OF MOVEMENT

Traveling

Traveling overwatch

Bounding overwatch

SPECIAL OPERATIONS

command and control

courier/messenger

aerial radio relay

emergency aerial resupply

aerial column control/traffic survey

aerial radiological survey

aerial artillery observation and adjustment

amphibious/sea

parachuting

repelling
search and rescue
paradrop
internal hoist
aerial mine delivery
Others (to be specified by user)

TABLE C-19 CONDITIONS TAXONOMY FOR SCOUT HELICOPTER

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

FLIGHT RULES/CONDITION
-Instrument Flight Rules/Instrument Flight Conditions
-Visual Flight Rules/Visual Flight Conditions

CLIMATE TYPE
-Hot/Dry
-Hot/Humid
-Basic/High Humid
-Basic/Hot
-Basic/Cold
-Cold
-Severe Cold

ALTITUDE

(in feet above ground level in increments selected by the user)

ELECTROMAGNETIC HAZARDS
-With electromagnetic hazards

-Without electromagnetic hazards

TERRAIN CONDITIONS

TYPE OF LANDING AREA
Confined Area
Slopes
Pinnacle or Ridge
Water
Normal runway
Others (to be specified by user)

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL
- -MOPP Level 0
- -MOPP Level 1
- -MOPP Level 2
- -MOPP Level 3
- -MOPP Level 4
- -Others(to be specified by user)

TARGET RANGE
(in meter increments defined by user)

GENERAL TARGET TYPE
Armored Vehicle
Light skinned/unarmored vehicle
Troops
Airborne Threat
Fixed threat emplacement
Others (to be specified by user)

ELECTROMAGNETIC PULSE (EMP)
- -With EMP

-Without EMP

TYPE OF ELECTRONIC WARFARE
Signal Intercept
Direction Finding
Jamming
Meaconing(Deception)
All of the above
None of the above

CONDITIONS RELATED TO FRIENDLY FORCES

MODES OF FLIGHT
Regular
Terrain
-Low Level
-Contour
-Nap of the Earth

NAVIGATION TECHNIQUE
Radio
FM Homing
Dead Reckoning
Pilotage
Doppler
OMEGA/GPS
Others (to be specified by user)

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

SPECIAL ENVIRONMENTS

Mountain

Jungle
Desert
Winter
Amphibious

WIND DIRECTION TYPE
Headwind
Tailwind
Cross wind
No wind

WIND DIRECTION-MEASURED
(in degrees from aircraft azimuth in increments selected by user)

WIND VELOCITY
(in knots or in miles per hour in increments selected by user)

PRESSURE
(in millibars in increments selected by user)

TEMPERATURE
(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

LOAD BEARING CAPACITY OF GROUND
(In tons in increments specified by user)

GROUND SURFACE STATUS
Dry
Wet
Mud
Ice
Snow
Dust

SIDE SLOPE OF TERRAIN
(In per cent or in degrees in increments defined by user)

GRADE SLOPE OF TERRAIN
(In per cent or in degrees in increments defined by user)

THREAT/TARGET CONDITIONS

NUMBER OF TARGETS
Single
Multiple

TARGET EXPOSURE TIME
(In seconds in increments specified by user)

GROUND TARGET CLASS
Point
Area

GROUND TARGET SPEED
(In knots or in miles per hour in increments specified by user)

DIRECTED ENERGY WEAPON
Directed Energy Weapons Present
Directed Energy Weapons Absent

THREAT OBSTACLES
Minefield
Other (To be specified by user)

MOVEMENT STATUS OF GROUND TARGETS
Moving
Stationary

RANGE OF GROUND TARGETS
(in meters in increments selected by user)

ASPECT OF GROUND TARGET
Frontal
Flanking
Oblique

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Air defense radar
Radio direction finding system
Radar direction finding system
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

TYPE OF SIGHT
Night Vision Goggles
Night Hawk
Naked Eye
Binoculars
Target Acquisition and Designation Sight
Others (to be specified by user)

WEAPON TYPE
Air to Air Stinger

30-mm cannon
7.62 mm machine gun
HELLFIRE
Others (to be specified by user)

FLIGHT MODE
Hover
Moving
WEAPON MODE
Others (to be specified by user)

DEGRADED MODES OF OPERATION
Engine
  One engine operational
  Both engines operational
Hydraulic System
  Operational
  Non- operational
Stability Augmentation System/automatic Flight Control
  Operational
  Non-operational
AFSC Servo
  Operational
  Non-operational
Two way radio
  Operational
  Non-operational
Electrical Control Unit lockout
  Operational
  Non-operational
Stabilator
  Operational
  Non-operational
Night Vision Sensor
  Operational
  Non-operational

TYPE OF NAVIGATIONAL AID
VOR
LOC
ASR
NDB
Others (to be specified by user)

TAKEOFF GROSS WEIGHT
(in lbs. in increments specified by user

MAXIMUM WEIGHT OF LOAD
(in lbs in increments specified by user)

TYPE OF ECCM
Jamming
Chaff
Flares
Others (to be specified by user)

COMMUNICATION MEDIUM
-Two way radio
-Intercom
-Others (To be specified by user)
COMMUNICATION MODE
-Messages encoded and decoded
-Normal message traffic

TYPE OF HIGHER LEVEL UNIT OPERATION BEING SUPPORTED
Offensive
  Movement To Contact
  Hasty Attack
  Deliberate Attack
  Exploitation
  Pursuit
  Reconnaissance In Force

Raid
Feint
Demonstration

Defensive
Covering Force
Main Battle
Deep Attack
Rear Area Operations
Retrograde Operations

TYPE OF RECONNAISSANCE
Route
River
Area
Zone

TYPES OF SECURITY OPERATIONS
Screen
Guard
Cover
Area

TECHNIQUES OF MOVEMENT
Traveling
Traveling overwatch
Bounding overwatch

SPECIAL OPERATIONS
command and control
courier/messenger
aerial radio relay
aerial column control/traffic survey
aerial radiological survey
aerial artillery observation and adjustment
amphibious/sea
search and rescue

aerial mine delivery
Others (to be specified by user)

TABLE C-20 CONDITIONS HIERARCHY FOR LIGHT AND HEAVY CARGO TRUCKS

CONDITIONS TYPICALLY USED IN SETTING PERFORMANCE REQUIREMENTS

ENVIRONMENTAL CONDITIONS

DAY/NIGHT
- -Day
- -Night with Headlights
- -Night with Blackout

VISIBILITY TYPE
- -Clear
- -Fog
- -Haze
- -Smoke
- -Other (To be specified by user)

CLIMATE TYPE
- -Hot/Dry
- -Hot/Humid
- -Basic/High Humid
- -Basic/Hot
- -Basic/Cold
- -Cold
- -Severe Cold

TERRAIN CONDITIONS

ROAD TYPE
- -Primary
- -secondary
- -cross country

TARGET/THREAT-RELATED CONDITIONS

PROTECTIVE GEAR LEVEL

- -MOPP Level 0
- -MOPP Level 1
- -MOPP Level 2
- -MOPP Level 3
- -MOPP Level 4
- -Others(to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

LOAD SIZE

(In tons in increments specified by user)

ADDITIONAL CONDITIONS

ENVIRONMENTAL CONDITIONS

ELECTROMAGNETIC HAZARDS

- -With electromagnetic hazards
- -Without electromagnetic hazards

ELECTROMAGNETIC PULSE (EMP)

- -With EMP
- -Without EMP

SPECIAL ENVIRONMENTS

Mountain
Jungle
Desert
Winter
Amphibious

TEMPERATURE

(in degrees KELVIN, CELSIUS, or FAHRENHEIT in increments selected by user)

HEIGHT ABOVE SEA LEVEL
(in meters in increments selected by user)

PRECIPITATION
Clear
Snow
Ice
Rain

VISIBILITY (In meters)

TERRAIN CONDITIONS

ROAD SURFACE TYPE
-All weather road (concrete or bituminous concrete)
-Limited weather road (crushed rock, waterbound macadam, gravel)
-Fair Weather road (natural or stabilized soil, sand or clay, shell, cinder)

CROSS COUNTRY SURFACE TYPE
-Sand
-Bare packed ground
-Light vegetation
-Dense vegetation

LOAD BEARING CAPACITY OF GROUND/ROAD
(In tons in increments specified by user)

GROUND SURFACE STATUS
Dry
Wet
Mud

Ice
Snow
Dust

TYPE OF RAIL,BRIDGE, OR TUNNEL
(To be specified by user)

CURVATURE OF ROAD
(Radius in meters in increments to be specified by user)

THREAT/TARGET CONDITIONS

TYPE OF THREAT ATTACK
Air Attack
Indirect Fire Attack
Sniper Fire Attack
Tank/armored vehicle attack
NBC Attack
Attack with Light Antitank Weapon

Others (To be specified by user)

TYPE OF THREAT TARGET ACQUISITION
Visual
Infrared radar/sensor
Movement sensor
Pressure sensor
Others (to be specified by user)

CONDITIONS RELATED TO FRIENDLY FORCES

LOAD SIZE TYPE
Oversize
Overweight
Oversize and Overweight
Normal

TYPE OF MOVEMENT
Convoy
Other

TYPE OF CARGO
General Cargo
Personnel
Dangerous or Hazardous Materiel

MISSION TYPES
Supply
Evacuation

TYPES OF HAULING
Local Haul
Line Haul
Zonal Haul

METHODS OF HANDLING HAUL
Direct Haul
Shuttle
Relay

METHODS OF OPERATION
Piggyback on trailer or flatcar
Container on flatcar
Roll-on, roll-off
Lift-on, lift-off
Air
Lighter aboard ship

TYPE OF SIGHT
Naked Eye
Night Vision Goggles
Others (To be specified by user)

(In meters in increments specified by user)

TARGET AIRCRAFT SPEED
(In knots or in miles per hour in increments specified by user)

SIZE OF THREAT AIRCRAFT
(In meters in increments specified by user)

TARGET EXPOSURE TIME
(In seconds in increments specified by user)

ALTITUDE OF TARGET
(In feet, increments defined by user)

CONDITIONS RELATED TO FRIENDLY FORCES

BORESIGHT METHOD
Distant Aiming Point
Target

WEAPON TYPE
20mm
Others (To be specified by user)

AMMUNITION TYPE
HEIT-SD, High Explosive Incendiary With Tracer Self-Destroying
HEI, Hight Explosive Incendiary
TP-T-Target Practice Tracer
TP-Target Practice
Dummy
Others (To be specified by user)

AIR DEFENSE WARNING STATUS
Red-Attack in progress or imminent

Yellow-Attack probable
White-Attack not probable

WEAPONS CONTROL STATUS
Weapons free
Weapons tight
Weapons hold

TYPE OF GROUND SUPPORT
direct fire-perimeter defense
ground direct fire
indirect fire

TYPES OF AIR DEFENSE
March Column
Maneuver Force
Critical Asset/Combat Support Element
Company Size Maneuver Force

VEHICLE MOVEMENT
Moving
Stationary

FIRING RATE
low fire
high fire

TYPE OF DEFENSE
Static Point
Mobile Point

SPECIAL OPERATIONS
Airborne Operations
Air Assualt Operations
Defense of Railroad train

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 1

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
environmental	electromag.	p4	without
terrain	road type	p1	cross country
terrain	obstacles	p2	forests
terrain	side slope	p3	45 degrees
terrain	grade slope	p4	45 degrees
terrain	ditch gap	p5	4 feet
terrain	walls	p6	2 feet
target/threat	MOPP level	p1	0
target/threat	target range	p2	500 meters
target/threat	EMP	p3	without
target/threat	EW	p4	none
friendly	vehicle move.	p1	stationary

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 2

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
environmental	electromag.	p4	without
terrain	road type	p1	cross country
terrain	obstacles	p2	forests
terrain	side slope	p3	45 degrees
terrain	grade slope	p4	45 degrees
terrain	ditch gap	p5	4 feet
terrain	walls	p6	2 feet
target/threat	MOPP level	p1	0
target/threat	target range	p2	1500 meters
target/threat	EMP	p3	without
target/threat	EW	p4	none
friendly	vehicle move.	p1	stationary

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 3

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
target/threat	MOPP level	p1	0
target/threat	range	p2	800 meters
target/threat	class	p5	point
target/threat	movement	all	moving

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 4

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
target/threat	MOPP level	p1	0
target/threat	range	p2	300 meters
target/threat	class	p5	point
target/threat	movement	a11	stationary

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 5

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
target/threat	MOPP level	p1	0
target/threat	range	p2	300

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 6

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
target/threat	MOPP level	p1	0
target/threat	range	p2	400 meters
target/threat	class	p5	area
target/threat	movement	a11	moving

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 7

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
terrain	load bearing	a3	50 tons
terrain	surface	a4	dry
terrain	side slope	p7	level
terrain	grade	p8	level
target/threat	MOPP level	p1	0
target/threat	range	p2	4000 meters
friendly	firing mode	p2	not observable
friendly	quad. ele.	p3	TBD
friendly	intensity	p4	sustained

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 8

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
environmental	electromag.	p4	without
terrain	road type	p1	cross country
terrain	obstacles	p2	forests
terrain	side slope	p3	45 degrees
terrain	grade slope	p4	45 degrees
terrain	ditch gap	p5	4 feet
terrain	walls	p6	2 feet
target/threat	MOPP level	p1	0
target/threat	target range	p2	1500 meters
target/threat	EMP	p3	without
target/threat	EW	p4	none
friendly	vehicle move.	p1	stationary

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 9

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
environmental	electromag.	p4	without
terrain	road type	p1	cross country
terrain	obstacles	p2	forests
terrain	side slope	p3	45 degrees
terrain	grade slope	p4	45 degrees
terrain	ditch gap	p5	4 feet
terrain	walls	p6	2 feet
target/threat	MOPP level	p1	0
target/threat	target range	p2	500 meters
target/threat	EMP	p3	without
target/threat	EW	p4	none
friendly	vehicle move.	p1	stationary

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 10

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
environmental	electromag.	p4	without
terrain	road type	p1	cross country
terrain	obstacles	p2	forests
terrain	side slope	p3	45 degrees
terrain	grade slope	p4	45 degrees
terrain	ditch gap	p5	4 feet
target/threat	MOPP level	p1	0
target/threat	target range	p2	100 miles ~~9500 meters~~
target/threat	EMP	p3	without
target/threat	EW	p4	none
friendly	vehicle move.	p1	stationary
friendly	firing inten.	p4	sustained

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 11

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
environmental	electromag.	p4	without
terrain	load bearing	a3	100 tons
terrain	surface	a4	dry
terrain	side slope	p7	level
terrain	grade	p8	level
target/threat	MOPP level	p1	0
target/threat	target range	p2	9000 meters
target/threat	EMP	p3	without
target/threat	EW	p4	none
friendly	vehicle move.	p1	stationary
friendly	firing inten.	p4	sustained
friendly	firing mode	p2	indirect
friendly	quad. ele.	p3	~~900 mils~~ TBD

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 12

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
environmental	electromag.	p4	without
terrain	road type	p1	cross country
terrain	obstacles	p2	forests
target/threat	MOPP level	p1	0
target/threat	target range	p2	9000 meters
target/threat	EMP	p3	without
target/threat	EW	p4	none
friendly	vehicle move.	p1	stationary
friendly	firing inten.	p4	sustained
friendly	firing mode	p2	indirect
friendly	quad. ele.	p3	~~900 mils~~ TBD

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 13

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
environmental	electromag.	p4	without
terrain	road type	p1	cross country
terrain	obstacles	p2	forests
target/threat	MOPP level	p1	0
target/threat	target range	p2	3000 meters
target/threat	EMP	p3	without
target/threat	EW	p4	none
friendly	vehicle move.	p1	stationary
friendly	firing inten.	p4	sustained

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 14

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
environmental	electromag.	p4	without
terrain	road type	p1	cross country
terrain	obstacles	p2	forests
target/threat	type	p6	aircraft
target/threat	MOPP level	p1	0
target/threat	target range	p2	3000 meters
target/threat	EMP	p3	without
target/threat	EW	p4	none
friendly	vehicle move.	p1	stationary
friendly	firing inten.	p4	sustained

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 15

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
target/threat	MOPP level	p1	0
target/threat	range	p2	2000 meters
target/threat	type	p6	aircraft
friendly	position	a28	foot-march

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 16

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
environmental	flight rules	p5	visual
environmental	altitude	p6	200 feet
environmental	electromag.	p4	without
terrain	LZ	p9	confined area
target/threat	MOPP level	p1	0
target/threat	range	p2	2000 meters
target/threat	EMP	p3	without
target/threat	type EW	p4	none
target/threat	type target	p6	armored vehicle
friendly	flight mode	a40	low level
friendly	navigation	a41	dead recokoning

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 17

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
environmental	flight rules	p5	visual
environmental	altitude	p6	200 feet
environmental	electromag.	p4	without
terrain	LZ	p9	confined area
target/threat	MOPP level	p1	0
target/threat	range	p2	500 meters
target/threat	EMP	p3	without
target/threat	type EW	p4	none
target/threat	type target	p6	troops
friendly	flight mode	a40	low level
friendly	navigation	a41	dead recokoning
friendly	load type	a48	internal

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 18

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
environmental	flight rules	p5	visual
environmental	altitude	p6	200 feet
environmental	electromag.	p4	without
terrain	LZ	p9	confined area
target/threat	MOPP level	p1	0
target/threat	range	p2	500 meters
target/threat	EMP	p3	without
target/threat	type EW	p4	none
target/threat	type target	p6	troops
friendly	flight mode	a40	low level
friendly	navigation	a41	dead recokoning
friendly	load type	a48	internal

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 19

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
environmental	flight rules	p5	visual
environmental	altitude	p6	200 feet
environmental	electromag.	p4	without
terrain	LZ	p9	confined area
target/threat	MOPP level	p1	0
target/threat	range	p2	500 meters
target/threat	EMP	p3	without
target/threat	type EW	p4	none
target/threat	type target	p6	troops
friendly	flight mode	a40	low level
friendly	navigation	a41	dead recokoning

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 20

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
terrain	road type	p1	cross country
target/threat	MOPP level	p1	0
friendly	load size	p5	2 tons

DEFAULT CONDITIONS FOR EACH TYPE OF SYSTEM

Type System = 21

Type of Condition	Condition	Code	Default Value
environmental	day/night	p1	day
environmental	visibility	p2	clear
environmental	climate	p3	basic/cold
terrain	road type	p1	cross country
target/threat	MOPP level	p1	0
friendly	load size	p5	5 tons

4.2.5 - Conditions by Function

In this library, the conditions from the "Conditions by System Type Library" are assigned to the specific functions to which they apply. This library will be used if the user indicates that conditions for a given mission will vary from function to function. The MDA will utilize this library so that the user is not burdened with specifying condition settings when that specific condition would have no effect on the function in question.

NUMBER CODE FOR SYSTEM TYPES

1. Infantry fighting vehicle
2. Anti-tank vehicle
3. Man-portable anti-tank weapon
4. Rifle
5. Grenade launcher
6. Automatic weapon
7. Man-portable indirect fire weapon
8. Tank
9. Cavalry fighting vehicle
10. Medium range missile artillery
11. Towed howitzer
12. Self-propelled howitzer
13. Rocket field artillery system
14. Air defense mobile gun
15. Man-portable air defense system
16. Attack helicopter
17. Cargo helicopter
18. Utility helicopter
19. Scout helicopter
20. Light truck
21. Heavy truck

ENVIRONMENTAL CONDITIONS

PRIMARY

1. day/night
2. visibility type
3. climate type
4. electromagnetic hazards
5. flight rules/condition
6. altitude (ft. above ground level)

ADDITIONAL

1. special environments
2. wind direction type
3. wind direction measured
4. wind velocity
5. pressure
6. temperature
7. height above sea level
8. precipitation
9. visibility (in meters)

TERRAIN CONDITIONS

PRIMARY

1. road type
2. natural obstacles
3. side slope of obstacle to be crossed
4. grade slope of obstacle to be crossed
5. horizontal gap of ditches to be crossed
6. size of vertical walls to be crossed
7. side slope of terrain
8. grade slope of terrain
9. type of landing area

ADDITIONAL

1. road surface type
2. cross country surface type
3. load bearing capacity of ground/road
4. ground surface status
5. depth of water obstacle
6. current of river to be forded
7. type of rail, bridge, or tunnel
8. curvature of road

TARGET/THREAT-RELATED CONDITIONS

PRIMARY

1. protective gear level
2. target range
3. electromagnetic pulse
4. type of electronic warfare present
5. target class (area or point)
6. target type

ADDITIONAL

1. general target/threat types
2. threat tank and assault gun types
3. threat armored vehicles
4. threat troop weapon types
5. threat helicopter types
6. threat fixed wing aircraft
7. type of threat attack
8. ground target speed
9. directed energy weapon
10. threat obstacles
11. movement status of ground targets
12. range of ground targets
13. aspect of ground targets
14. number of ground targets
15. target aircraft course
16. range of target aircraft
17. target aircraft speed
18. number of airborne targets
19. target exposure time
20. type of threat target acquisition
21. nuclear target types
22. non nuclear target types
23. target type
24. altitude of target

CONDITIONS RELATED TO FRIENDLY FORCES

PRIMARY

1. vehicle movement status
2. firing mode
3. quadant elevations
4. firing intensity
5. load size

ADDITIONAL

1. fire distribution type
2. fire height
3. type of gunnery
4. multiple target fire patterns
5. weapon types
6. rate of fire
7. type of sight
8. ammunition type
9. method for determining target range
10. type of power for fire control
11. sight modes
12. condition of vehicle hatches
13. communication medium
14. communication mode
15. type of higher level unit operation being supported
16. type of movement when not in contact with enemy
17. formation type
18. type of offensive operation
19. type of defensive operation
20. TOW firing conditions
21. type of field of view (FOV)
22. aerial engagement method
23. combat patrol missions
24. platform (ground or mounted)
25. method for laying mortar
26. boresight mechanism
27. method for setting deflection
28. firing position
29. mode of fire
30. target detection technique
31. gunnery technique
32. degraded modes of equipment operation

33. propellant type
34. mechanisms for converting calls for fire into firing data
35. weapons control status
36. air defense warning status
37. types of air defense
38. initial engagement position
39. special operations
40. modes of flight
41. navigation technique
42. aft pilot status
43. type of navigational aid
44. takeoff gross weight
45. type of ECCM
46. type of reconnaissance
47. types of security operations
48. load type
49. load size type
50. type of cargo
51. types of hauling
52. methods of hauling

TYPE SYSTEM	FUNC-TION	ENVIRONMENTAL CONDITIONS	TERRAIN CONDITIONS	THREAT CONDITIONS	FRIENDLY CONDITIONS
5	1	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
5	2	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
5	3	p1,p2,p3,a1,a8,a9	n/a	p1	a28
5	4	p1,p2,p3,a1,a8,a9	n/a	p1,p2,p6,a11-a14	a7,a30
5	5	p1-p3,a1-a4,a8,a9	n/a	p1,p2,p5,p6,a7-a14	a7,a8,a30
5	6	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
5	7	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
6	1	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
6	2	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
6	3	p1,p2,p3,a1,a8,a9	n/a	p1	a28
6	4	p1,p2,p3,a1,a8,a9	n/a	p1,p2,p6,a11-a14	a7,a30
6	5	p1-p3,a1-a4,a8,a9	n/a	p1,p2,p5,p6,a7-a14	p2,a1,a2,a7,a30
6	6	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
6	7	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
7	1	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
7	2	p1,p2,p3,a1,a8,a9	p7,p8,a3,a4	p1	a7,a8,a24-a27
	3	p1-p3,a1-a9	p7,p8,a3,a4	p1,p2,p6,a20	p2-p4,a4,a7,a8,a24,a27,a34
	4	p1-p3,a1-a9	p7,p8,a3,a4	p1,p2,p6,a20	p2-p4,a4,a7,a8,a24,a27,a34
7	5	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
7	6	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
8	1	p1,p2,p3,a1,a8,a9	n/a	p1,a1	a13,a14,a18,a19,a32
8	2	p1,p2,p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a12,a13,a16-a19,a23,a32
8	3	p1,p2,p3,a1,a8,a9	p2-p6,a2-a4	p1,a1,a10	a12,a13,a17-a19,a23,a32
8	4	p1,p2,p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a12,a13,a16-a19,a23,a32
8	5	p4,a1,a8	n/a	p1,p3,p4,a1	a13,a14,a18,a19,a32
8	6	p1-p4,a1,a8,a9	n/a	p1-p6,a1-a24	p1,a7,a9-a12,a21,a30,a32
8	7	p1-p3,a1-a4,a8,a9	n/a	p1-p6,a1-a24	p1,p2,a1-a12,a21,a22,a29-a32
8	8	p1-p3,a1,a8,a9	p2,p7,p8,a3,a4	p1,a1,a10,a20	a5,a7,a13,a18,a19,a32
8	9	p1-p4,a1,a8,a9	n/a	p1-p4,p6,a1,a11-a14	a1,a9,a12,a13,a32
8	10	p1-p3,a1	p7,p8,a3,a4	p1,a1	p5,a12,a32
8	11	p1-p3,a1,a8,a9	n/a	p1	p1,a12,a18,a19,a32
8	12	p1,p2,p3,a1	n/a	p1,a1	a32

TYPE SYSTEM	FUNC-TION	ENVIRONMENTAL CONDITIONS	TERRAIN CONDITIONS	THREAT CONDITIONS	FRIENDLY CONDITIONS
1	1	p1,p2,p3,a1,a8,a9	n/a	p1,a1	a13,a14,a18,a19,a32
1	2	p1,p2,p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a12,a13,a16-a19,a23,a32
1	3	p1,p2,p3,a1,a8,a9	p2-p6,a2-a4	p1,a1,a10	a12,a13,a17-a19,a23,a32
1	4	p1,p2,p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a12,a13,a16-a19,a23,a32
1	5	p4,a1,a8	n/a	p1,p3,p4,a1	a13,a14,a18,a19,a32
1	6	p1-p4,a1,a8,a9	n/a	p1-p6,a1-a24	p1,a7,a9-a12,a21,a30,a32
1	7	p1-p3,a1-a4,a8,a9	n/a	p1-p6,a1-a24	p1,p2,a1-a12,a20-a22,a29,a32
1	8	p1-p3,a1,a8,a9	p2,p7,p8,a3,a4	p1,a1,a10,a20	a5,a7,a13,a18,a19,a32
1	9	p1-p4,a1,a8,a9	n/a	p1-p4,p6,a1,a11-a14	a1,a9,a12,a13,a32
1	10	p1-p3,a1	p7,p8,a3,a4	p1,a1	p5,a12,a32
1	11	p1-p3,a1,a8,a9	n/a	p1	p1,a12,a18,a19,a32
1	12	p1,p2,p3,a1	n/a	p1,a1	a32
2	1	p1,p2,p3,a1,a8,a9	n/a	p1,a1	a13,a14,a18,a19,a32
2	2	p1,p2,p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a12,a13,a16-a19,a23,a32
2	3	p1,p2,p3,a1,a8,a9	p2-p6,a2-a4	p1,a1,a10	a12,a13,a17-a19,a23,a32
2	4	p1,p2,p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a12,a13,a16-a19,a23,a32
2	5	p4,a1,a8	n/a	p1,p3,p4,a1	a13,a14,a18,a19,a32
2	6	p1-p4,a1,a8,a9	n/a	p1-p6,a1-a24	p1,a7,a9-a12,a21,a30,a32
2	7	p1-p3,a1-a4,a8,a9	n/a	p1-p6,a1-a24	p1,p2,a1-a12,a20-a22,a29,a32
2	8	p1-p3,a1,a8,a9	p2,p7,p8,a3,a4	p1,a1,a10,a20	a5,a7,a13,a18,a19,a32
2	9	p1-p4,a1,a8,a9	n/a	p1-p4,p6,a1,a11-a14	a1,a9,a12,a13,a32
2	10	p1-p3,a1	p7,p8,a3,a4	p1,a1	p5,a12,a32
2	11	p1-p3,a1,a8,a9	n/a	p1	p1,a12,a18,a19,a32
2	12	p1,p2,p3,a1	n/a	p1,a1	a32
3	1	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
3	2	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
3	3	p1,p2,p3,a1,a8,a9	n/a	p1,a1	a18,a19,a28
3	4	p1,p2,p3,a1,a8,a9	n/a	p1,p2,a1,a11,a20	a7,a30
3	5	p1,p2,p3,a1,a8,a9	n/a	p1,p2,a2,a8-a14	a7,a9,a30
3	6	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
3	7	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
4	1	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
4	2	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
4	3	p1,p2,p3,a1,a8,a9	n/a	p1	a28
4	4	p1,p2,p3,a1,a8,a9	n/a	p1,p2,p6,a11-a14	a7,a30
4	5	p1-p3,a1-a4,a8,a9	n/a	p1,p2,p5,p6,a7-a14	p2,a1,a2,a7,a30
4	6	p1,p2,p3,a1,a8,a9	n/a	p1	n/a
4	7	p1,p2,p3,a1,a8,a9	n/a	p1	n/a

TYPE SYSTEM	FUNC-TION	ENVIRONMENTAL CONDITIONS	TERRAIN CONDITIONS	THREAT CONDITIONS	FRIENDLY CONDITIONS
9	1	p1,p2,p3,a1,a8,a9	n/a	p1,a1	a13,a14,a18,a19,a32
9	2	p1,p2,p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a12,a13,a16-a19,a23,a32
9	3	p1,p2,p3,a1,a8,a9	p2-p6,a2-a4	p1,a1,a10	a12,a13,a17-a19,a23,a32
9	4	p1,p2,p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a12,a13,a16-a19,a23,a32
9	5	p4,a1,a8	n/a	p1,p3,p4,a1	a13,a14,a18,a19,a32
9	6	p1-p4,a1,a8,a9	n/a	p1-p6,a1-a24	p1,a7,a9-a12,a21,a30,a32
9	7	p1-p3,a1-a4,a8,a9	n/a	p1-p6,a1-a24	p1,p2,a1-a12,a20-a22,a29,a32
9	8	p1-p3,a1,a8,a9	p2,p7,p8,a3,a4	p1,a1,a10,a20	a5,a7,a13,a18,a19,a32
9	9	p1-p4,a1,a8,a9	n/a	p1-p4,p6,a1,a11-a14	a1,a9,a12,a13,a32
9	10	p1-p3,a1	p7,p8,a3,a4	p1,a1	p5,a12,a32
9	11	p1-p3,a1,a8,a9	n/a	p1	p1,a12,a18,a19,a32
9	12	p1,p2,p3,a1	n/a	p1,a1	a32
10	1	p1-p3,a1,a8,a9	n/a	p1,a1	a13,a14,a18,a19,a32
10	2	p1-p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a12-a16,a32
10	3	p1-p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a12-a16,a32
10	4	p4,a1,a8	n/a	p1,p3,p4,a1	a13,a14,a18,a19,a32
10	5	p1-p4,a1-a9	p7,p8,a3,a4	p1,p3,p4,a1	a13,a14,a18,a19,a32
10	6	p1-p4,a1-a9	p7,p8,a3,a4	p1,p3,p4,a1	a13,a14,a18,a19,a32
10	7	p1-p4,a1-a9	p7,p8,a3,a4	p1-p4,a1,a7,a21,a22	a8,a13,a14,
10	8	p1-p3,a1,a8,a9	n/a	p1,a1	a13,a14,a18,a19,a32
10	9	p1-p4,a1-a9	n/a	p1,a1	a13,a14,a18,a19,a32
10	10	p1-p4,a1-a9	n/a	p1,a1	a13,a14,a18,a19,a32
10	11	p1-p4,a1-a9	n/a	p1,a1	a13,a14,a18,a19,a32
10	12	p1-p4,a1-a9	p7,p8,a3,a4	p1,p3,p4,a1	a13,a14,a18,a19,a32
11	1	p1-p3,a1,a8,a9	n/a	p1,a1	a13,a14,a18,a19,a32
11	2	p1-p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a13-a19,a32
11	3	p1-p4,a1-a9	p7,p8,a3,a4	p1,p3,p4,a1	a13,a14,a18,a19,a32
11	4	p1-p4,a1-a9	p7,p8,a3,a4	p1,p3,p4,a1	a13,a14,a18,a19,a32
11	5	p1-p4,a1-a9	n/a	p1,a1	p2-p4,a4,a7,a8,a15,a32,a33,a34
11	6	p1-p4,a1-a9	p7,p8,a3,a4	p1-p6,a1-a3,a7,a20	p2-p4,a4,a7-a11,a27,a30-a34
11	7	p1-p3,a1,a8,a9	p7,p8,a3,a4	p1-p6,a1-a5,a8-a14	p2-p4,a7-a11,a32
11	8	p1-p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a13-a19,a32
11	9	p4,a1,a8	n/a	p1,p3,p4,a1	a13,a14,a18,a19,a32
11	10	p1-p3,a1,a8,a9	p1-p8,a1-a8	p1,a1,a10	a32
11	11	p1-p3,a1,a8,a9	n/a	p1,a1	a32
11	12	p1-p3,a1,a8,a9	n/a	p1,a1	a13,a14,a18,a19,a32

TYPE SYSTEM	FUNC-TION	ENVIRONMENTAL CONDITIONS	TERRAIN CONDITIONS	THREAT CONDITIONS	FRIENDLY CONDITIONS
12	1	p1-p3,a1,a8,a9	n/a	p1,a1	a13,a14,a18,a19,a32
12	2	p1-p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a13-a19,a32
12	3	p1-p4,a1-a9	p7,p8,a3,a4	p1,p3,p4,a1	a13,a14,a18,a19,a32
12	4	p1-p4,a1-a9	p7,p8,a3,a4	p1,p3,p4,a1	a13,a14,a18,a19,a32
12	5	p1-p4,a1-a9	n/a	p1,a1	p2-p4,a4,a7,a8,a15,a32,a33,a34
12	6	p1-p4,a1-a9	p7,p8,a3,a4	p1-p6,a1-a3,a7,a20	p2-p4,a4,a7-a11,a27,a30-a34
12	7	p1-p3,a1,a8,a9	p7,p8,a3,a4	p1-p6,a1-a5,a8-a14	p2-p4,a7-a11,a32
12	8	p1-p3,a1,a8,a9	n/a	p1,p2,a4-a9,a11-a19,a23	p1,a6-a9,a22,a32
12	9	p1-p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a13-a19,a32
12	10	p4,a1,a8	n/a	p1,p3,p4,a1	a13,a14,a18,a19,a32
12	11	p1-p3,a1,a8,a9	p1-p8,a1-a8	p1,a1,a10	a32
12	12	p1-p3,a1,a8,a9	n/a	p1,a1	a32
12	13	p1-p3,a1,a8,a9	n/a	p1,a1	a13,a14,a18,a19,a32
13	TBD				
14	1	p1-p3,a1,a8,a9	n/a	p1,a1	a13,a35,a36
14	2	p1-p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a12-a19,a32,a35-a37
14	3	p1-p3,a1,a8,a9	p7,p8,a3,a4	p1	a13-a15,a32,a35-a37
14	4	p1-p3,a1,a8,a9	p7,p8,a3,a4	p1	a13-a15,a26,a32,a35-a37
14	5	p1-p3,a1,a8,a9	n/a	p1	p1,a8,a13,a32,a37
14	6	p1-p4,a1,a8,a9	n/a	p1-p4,a5,a6,a15-a19,a24	p1,a7,a11,a21,a30,a32,a37
14	7	p1-p4,a1-a9	p7,p8,a3,a4	p1-p4,a5,a6,a15-a19,a24	p1,a7,a11,a21,a30,a32,a35-a37
14	8	p1-p4,a1-a9	p7,p8,a3,a4	p1,p2,a2-a4,a8-a14	
14	9	p1-p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	a13-a19,a32
14	10	p4,a1,a8	n/a	p1,p3,p4,a1	a13,a14,a18,a19,a32
14	11	p1-p3,a1,a8,a9	p1-p8,a1-a8	p1,a1,a10	a32
14	12	p1-p4,a1-a9	p7,p8,a3,a4	p1,p3,p4,a1	a13,a14,a18,a19,a32
14	13	p1-p3,a1,a8,a9	n/a	p1,a1	a13,a14,a18,a19,a32
14	14	p1-p3,a1,a8,a9	n/a	p1,a1	a32
15	1	p1-p3,a1,a8,a9	n/a	p1,a1	n/a
15	2	p1-p3,a1,a8,a9	n/a	p1,a1	a35-a37
15	3	p1-p3,a1,a8,a9	a4	p1,a1	a35-a37
15	4	p1-p3,a1,a8,a9	n/a	p1-p4,a5,a6,a15-a19,a24	a7,a35-a38
15	5	p1-p3,a1-a9	n/a	p1-p4,a5,a6,a15-a19,a24	a7,a32,a35-a38
15	6	p1-p3,a1,a8,a9	n/a	p1,a1	a32,a35-a37
15	7	p1-p3,a1,a8,a9	n/a	p1,a1	n/a

TYPE SYSTEM	FUNC-TION	ENVIRONMENTAL CONDITIONS	TERRAIN CONDITIONS	THREAT CONDITIONS	FRIENDLY CONDITIONS
16	1	p1-p5,a1-a9	n/a	p1,a1	n/a
16	2	p1-p5,a1-a9	a4	p1,a1	a32,a42-a44,
16	3	p1-p6,a1-a9	n/a	p1,a1	a32,a40-a43
16	4	p1-p6,a1-a9	n/a	p1,p3,p4,a1	a32,a40-a43,a45
16	5	p1-p6,a1,a7-a9	n/a	p1,p3,p4,a1	a13,a14,a32,a40,a45
16	6	p1-p5,a1-a9	p7-p9,a3,a4	p1,a1,a10	a32,a40-a43,a45
16	7	p1-p3,a1-a9	p9	p1,a1	n/a
16	8	p1-p6,a1-a9	p9	p1	a32,a40,a42
16	9	p1-p6,a1-a9	n/a	p1-p6,a1-a20,a24	a5,a7,a15,a21,a30,a32,a40-a43
16	10	p1-p6,a1-a9	n/a	p1-p6,a1-a20,a24	a5,a7,a15,a21,a30,a32,a40-a43
16	11	p1-p6,a1-a9	n/a	p1,p3,p4,a1	a32,a40-a43,a45
16	12	p1-p6,a1-a9	n/a	p1,a1	a15,a32,a40-a43,a46
16	13	p1-p6,a1-a9	n/a	p1-p6,a1	a13-a15,a32,a40-a43
17	1	p1-p5,a1-a9	n/a	p1,a1	n/a
17	2	p1-p5,a1-a9	a4	p1,a1	a32,a42-a44,a48
17	3	p1-p6,a1-a9	n/a	p1,a1	a32,a40-a43,a48
17	4	p1-p6,a1-a9	n/a	p1,p3,p4,a1	a32,a40-a43,a45
17	5	p1-p6,a1,a7-a9	n/a	p1,p3,p4,a1	a13,a14,a32,a40,a45
17	6	p1-p5,a1-a9	p7-p9,a3,a4	p1,a1,a10	a32,a40-a43,a45,a48
17	7	p1-p3,a1-a9	p9	p1,a1	n/a
17	8	p1-p6,a1-a9	p9	p1	a32,a40,a42,a48
17	9	p1-p6,a1-a9	n/a	p1-p6,a1-a20,a24	a5,a7,a15,a21,a30,a32,a40-a43
17	10	p1-p6,a1-a9	n/a	p1-p6,a1-a20,a24	a5,a7,a15,a21,a30,a32,a40-a43
17	11	p1-p6,a1-a9	n/a	p1,p3,p4,a1	a32,a40-a43,a45
17	12	p1-p3,a1-a9	p9,a4	p1,a1	a32
17	13	p1-p3,p6,a1-a9	p9,a4	p1,a1	a32,a49
17	14	p1-p3,p6,a1-a9	p9,a4	p1,a1	a32,a40-a43,a49
17	15	p1-p6,a1-a9	p9,a4	p1,a1	a32
17	16	p1-p6,a1-a9	n/a	p1,a1	a15,a32,a40-a43,a46
17	17	p1-p6,a1-a9	n/a	p1-p6,a1	a13-a15,a32,a40-a43
18	1	p1-p5,a1-a9	n/a	p1,a1	n/a
18	2	p1-p5,a1-a9	a4	p1,a1	a32,a42-a44,a48
18	3	p1-p6,a1-a9	n/a	p1,a1	a32,a40-a43,a48
18	4	p1-p6,a1-a9	n/a	p1,p3,p4,a1	a32,a40-a43,a45
18	5	p1-p6,a1,a7-a9	n/a	p1,p3,p4,a1	a13,a14,a32,a40,a45
18	6	p1-p5,a1-a9	p7-p9,a3,a4	p1,a1,a10	a32,a40-a43,a45,a48
18	7	p1-p3,a1-a9	p9	p1,a1	n/a
18	8	p1-p6,a1-a9	p9	p1	a32,a40,a42,a48
18	9	p1-p6,a1-a9	n/a	p1-p6,a1-a20,a24	a5,a7,a15,a21,a30,a32,a40-a43
18	10	p1-p6,a1-a9	n/a	p1-p6,a1-a20,a24	a5,a7,a15,a21,a30,a32,a40-a43
18	11	p1-p6,a1-a9	n/a	p1,p3,p4,a1	a32,a40-a43,a45
18	12	p1-p3,a1-a9	p9,a4	p1,a1	a32
18	13	p1-p3,p6,a1-a9	p9,a4	p1,a1	a32,a49
18	14	p1-p3,p6,a1-a9	p9,a4	p1,a1	a32,a40-a43,a49
18	15	p1-p6,a1-a9	p9,a4	p1,a1	a32
18	16	p1-p6,a1-a9	n/a	p1,a1	a15,a32,a40-a43,a46
18	17	p1-p6,a1-a9	n/a	p1-p6,a1	a13-a15,a32,a40-a43

TYPE SYSTEM	FUNC-TION	ENVIRONMENTAL CONDITIONS	TERRAIN CONDITIONS	THREAT CONDITIONS	FRIENDLY CONDITIONS
19	1	p1-p5,a1-a9	n/a	p1,a1	n/a
19	2	p1-p5,a1-a9	a4	p1,a1	a32,a42-a44,
19	3	p1-p6,a1-a9	n/a	p1,a1	a32,a40-a43
19	4	p1-p6,a1-a9	n/a	p1,p3,p4,a1	a32,a40-a43,a45
19	5	p1-p6,a1,a7-a9	n/a	p1,p3,p4,a1	a13,a14,a32,a40,a45
19	6	p1-p5,a1-a9	p7-p9,a3,a4	p1,a1,a10	a32,a40-a43,a45
19	7	p1-p3,a1-a9	p9	p1,a1	n/a
19	8	p1-p6,a1-a9	p9	p1	a32,a40,a42
19	9	p1-p6,a1-a9	n/a	p1-p6,a1-a20,a24	a5,a7,a15,a21,a30,a32,a40-a43
19	10	p1-p6,a1-a9	n/a	p1-p6,a1-a20,a24	a5,a7,a15,a21,a30,a32,a40-a43
19	11	p1-p6,a1-a9	n/a	p1,p3,p4,a1	a32,a40-a43,a45
19	12	p1-p6,a1-a9	n/a	p1,a1	a15,a32,a40-a43,a46
19	13	p1-p6,a1-a9	n/a	p1-p6,a1	a13-a15,a32,a40-a43
20	1	p1-p3,a1,a8,a9	n/a	p1,a1	n/a
20	2	p1-p3,a1,a8,a9	a3,a4	p1,a1	p5,a32,a50
20	3	p1-p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	p5,a32,a49-a52
20	4	p1-p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	p5,a32,a49-a52
20	5	p1-p3,a1,a8,a9	p1-p6,a1-a8	p1,a1	p5,a32,a49-a52
[redacted]	6	p1-p3,a1,a8,a9	a3,a4	p1,a1	p5,a32,a50
[redacted]	7	p1-p3,a1,a8,a9	n/a	p1,a1	n/a
21	1	p1-p3,a1,a8,a9	n/a	p1,a1	n/a
21	2	p1-p3,a1,a8,a9	a3,a4	p1,a1	p5,a32,a50
21	3	p1-p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	p5,a32,a49-a52
21	4	p1-p3,a1,a8,a9	p1-p6,a1-a8	p1,a1,a10	p5,a32,a49-a52
21	5	p1-p3,a1,a8,a9	p1-p6,a1-a8	p1,a1	p5,a32,a49-a52
21	6	p1-p3,a1,a8,a9	a3,a4	p1,a1	p5,a32,a50
21	7	p1-p3,a1,a8,a9	n/a	p1,a1	n/a

FUNCTIONAL GROUPS

(1) PREPARATION

- Plan and prepare mission
- Perform post operations tasks
- Prepare weapon for firing
- Perform post firing tasks
- Conduct pre-operational inspection
- Prepare for march order

(2) OCCUPY TERRAIN

- Emplace weapon system
- Occupy defensive position
- Get into firing position
- Displace weapon system

(3) GROUND MOVEMENT

- Execute movement
- Execute maneuver
- Navigate
- Move to firing point
- Drive/move weapon

(4) AIR MOVEMENT

- Takeoff
- Fly aircraft to/from mission area
- Navigate
- Approach and land aircraft
- Perform reconnaissance

(5) TARGET ENGAGEMENT

- Acquire targets
- Engage targets
- Detect/locate targets
- Fire weapon
- Attack target
- Adjust supporting fire

(6) COMMUNICATE

- Communicate
- Call for supporting fire

(7) TRANSPORT

- Transport combat troops
- Load/unload internal loads
- Raise/lower external loads

(7) TRANSPORT (cont.)

- Perform paradrop
- Prepare load
- Load/unload vehicle

(8) MAINTENANCE

- Compensate for equipment malfunctions and emergencies
- Clear/recover from misfire
- Execute failure to fire procedures

CONDITIONS MOST IMPORTANT BY FUNCTIONAL GROUP

(1) Preparation

- Day/night
- Visibility
- Climate
- Protective gear level
- Threat/enemy situation
- Type of offensive/defensive operation
- Type of communications (if any)

(2) Occupy terrain

- Day/night
- Visibility
- Climate
- Type of terrain
- Protective gear level
- Ground surface status
- Precipitation
- Threat/enemy situation

(3) Ground movement

- Day/night
- Visibility
- Climate
- Road type
- Cross country surface type
- Natural obstacles
- Man made obstacles
- Slope of terrain
- Precipitation
- Protective gear level
- Ground surface status
- Type of movement
- Formation type
- Degraded mode of operation
- Threat/enemy situation

(4) Air movement

- Day/night
- Visibility
- Climate
- Electromagnetic hazards
- Protective gear level
- Type of electronic warfare present
- Type of environment
- Wind conditions
- Temperature
- Altitude

(4) Air movement (cont.)

- Precipitation
- Communications situation
- Formation flight
- Terrain contour
- Mode of flight
- Navigation technique
- Type and weight of load
- Type of landing area
- Type of operation
- Degraded mode of operation
- Threat/enemy situation

(5) Target engagement

- Day/night
- Visibility
- Type terrain/line of sight
- Protective gear level
- Target range
- Target type
- Target movement
- Firer movement
- Wind conditions
- Precipitation
- Target aspect
- Target exposure time
- Number of targets
- Type of target acquisition
- Firing mode
- Other friendly or supporting fires present
- Type of communications available
- Weapons control status (i.e. free, tight)

(6) Communicate

- Electromagnetic hazards
- Type terrain/line of sight
- Protective gear level
- Type of electronic warfare present
- Precipitation
- Communication medium
- Type of operation
- Threat/enemy situation

(7) Transport

- Protective gear level
- Load bearing capacity of ground
- Temperature & barometric pressure
- Wind conditions
- Degraded mode of operation
- Type of cargo

(7) Transport (cont.)

- Threat/enemy situation

(8) Maintenance

- Visibility
- Climate type
- Protective gear level
- Temperature
- Precipitation
- Other weapons available
- Day/night
- Type of operation
- Threat/enemy situation

4.2.6 - Generic Equipment by System Type

This library lists the generic equipment categories that may be used as Functional Systems for each of the various System Types. Within each System Type, the equipment is broken down into the following levels: The first level is rather general, as in power plant, electrical system, etc., the second level is more specific such as main armament, secondary armament, smoke grenade launchers, and missile launchers grouped under the general category of armament system.

The MDA will present information from the Generic Equipment by System Type library to aid the user in defining Functional Systems of components for the overall system under evaluation.

GENERIC EQUIPMENT LIST

Aviation Systems

- Airframe
- Landing Gear
- Hydraulic System
- Instruments
- Power Plant
  - -- Engine System
  - -- Engine Droop Compensator Control System
  - -- Engine Oil Storage/Supply System
  - -- Oil Cooling System
  - -- Engine Air Induction/Exhaust System
  - -- Engine Throttle Control System
- Fuel System
  - -- Fuel Supply System
  - -- Fuel Control System
- Transmission & Rotor System
  - -- Main Drive Shaft Systems
  - -- Transmission/Mast Drive System
  - -- Tail Rotor Drive System
  - -- Transmission Oil Cooler System
  - -- Main Rotor System
  - -- Tail Rotor System
- Electrical System
  - -- Electrical DC Power System
  - -- Electrical AC Power System
  - -- Lighting System
- Flight Control
  - -- Cyclic Control System
  - -- Collective Pitch Control System
  - -- Directional Control System
  - -- Synchronized Elevator Control System
  - -- Stability Control Augmentation System (SCAS)

Aviation Systems (continued)

- Utility System
  - -- Caution Panel System
  - -- Warning System
  - -- Environmental Control System
  - -- Sound Proofing System
  - -- Special Tools & Equipment
- Avionics
  - -- FM Radio
  - -- UHF Radio
  - -- VHF Radio
  - -- Intercom
  - -- Transponder
  - -- UHF & VHF Antenna System
  - -- Gyrosync Compass
  - -- Direction Finder Set
  - -- Radar Warning Receiver
  - -- VOR/LOC/GS/MB System
  - -- Mounting Equipment Rack
- Armament
  - -- Turret Weapons System
  - -- Wing Weapons System
  - -- Missile System
  - -- Aircraft/Missile Interface
  - -- Rocket Management System
  - -- Helmet Sight System
  - -- Fire Control Computer
  - -- Head-up Display System

GENERIC EQUIPMENT LIST

Tactical Trucks

- Power Plant
- Power Train
- Cooling System
- Fuel System
- Exhaust System
- Electrical System
- Brake System
- Suspension & Steering System
- Ventilation System
- Controls & Linkages
- Wheel Assemblies & Tires
- Cab Assembly
- Frame
- Bed

GENERIC EQUIPMENT LIST

Infantry/Cavalry Fighting Vehicles

- Power Plant
- Power Train
- Tracks & Suspension
- Steering & Braking System
- Fuel System
- Electrical System
- Hydraulic System
- Ventilation System
- Chassis, Armor Plating & Crew Compartments
- Instruments & Gauges
- Communications System
- Fire Control System
- Armament System
  - -- Main Armament
  - -- Secondary Armament
  - -- Smoke Grenade Launchers
  - -- Missile Launchers
- Turret Drive & Stabilization System
- Auxiliary Systems
  - -- Fire Suppression
  - -- Decontamination
  - -- Climate Control
  - -- Night Vision

GENERIC EQUIPMENT LIST

Antitank Vehicles

- Power Train
- Tracks & Suspension System
- Power Plant
- Fuel System
- Electrical System
- Ventilation System
- Instruments & Gauges
- Steering & Braking System/Vehicle Control System
- Periscopes/Optical System
- Machine Gun & Mount/Smoke Grenade Launcher
- Hydraulic System
- Guided Missile Turret Assembly
- Missile Launcher
- Cooling System
- Commo System
- Missiles

GENERIC EQUIPMENT LIST

- Man-Portable Indirect Fire (Mortar)
  - Baseplate
  - Tube
  - Sight
- Man-Portable Antitank
  - Launcher
  - Missile
  - Tracker
- Rifle, Automatic Weapons, Grenade Launcher
  - Barrel
  - Receiver Group
  - Firing Mechanism
- Man-Portable Air Defense System
  - Missile
  - Launcher
  - Seeker
  - IFF

GENERIC EQUIPMENT LIST

Tanks

- Power Plant
- Power Train
- Tracks & Suspension
- Steering & Braking System
- Fuel System
- Electrical System
- Hydraulic System
- Ventilation System
- Chassis, Armor Plating, and Crew Compartments
- Instruments and Gauges
- Communications System
- Fire Control System
- Armament System
  - -- Main Armament
  - -- Secondary Armament
  - -- Smoke Generators
- Turret Drive & Stabilization System
- Auxiliary Systems
  - -- Fire Suppression
  - -- Decontamination
  - -- Climate Control
  - -- Night Vision

GENERIC EQUIPMENT LIST

Medium Range Missiles

- Missile Round
  - -- Main Missile Assembly
  - -- Warhead Section
- Monitor-Programmer
- Firing Device
- Azimuth Laying Set
- Self Propelled Launcher
  - -- Power Plant
  - -- Power Train
  - -- Tracks & Suspension
  - -- Steering & Braking
  - -- Fuel System
  - -- Electrical System
  - -- Hydraulic System
  - -- Ventilation System
  - -- Chassis & Crew Compartments
  - -- Instruments & Gauges
  - -- Communications System
  - -- Auxiliary Systems

GENERIC EQUIPMENT LIST

Self Propelled Howitzers

- Power Plant
- Power Train
- Tracks & Suspension
- Steering & Braking System
- Fuel System
- Electrical System
- Hydraulic System
- Ventilation System
- Chassis & Crew Compartments
- Instruments & Gauges
- Communications System
- Sighting & Fire Control Equipment
- Howitzer Cannon
- Howitzer Mount
- Ammunition

GENERIC EQUIPMENT LIST

Towed Howitzers

- Wheels & Suspension
- Sighting System
- Elevating & Traversing Mechanism
- Howitzer Cannon
- Howitzer Mount
- Recoil Mechanism
- Base & Stabilization System
- Ammunition

GENERIC EQUIPMENT LIST

Artillery Rocket Systems

- Launcher Drive System
- Launcher Loader Module
- Fire Control System
  - -- Fire Control Unit
  - -- Launcher Control Unit
  - -- Remote Fire Unit
  - -- Stabilization Ref. Package/Position Determining System
- Tracked Carrier
  - -- Power Plant
  - -- Power Train
  - -- Tracks & Suspension
  - -- Steering & Braking
  - -- Fuel System
  - -- Electrical System
  - -- Hydraulic System
  - -- Ventilation System
  - -- Chassis & Crew Compartments
  - -- Instruments & Gauges
  - -- Communications System
  - -- Auxiliary Systems

GENERIC EQUIPMENT LIST

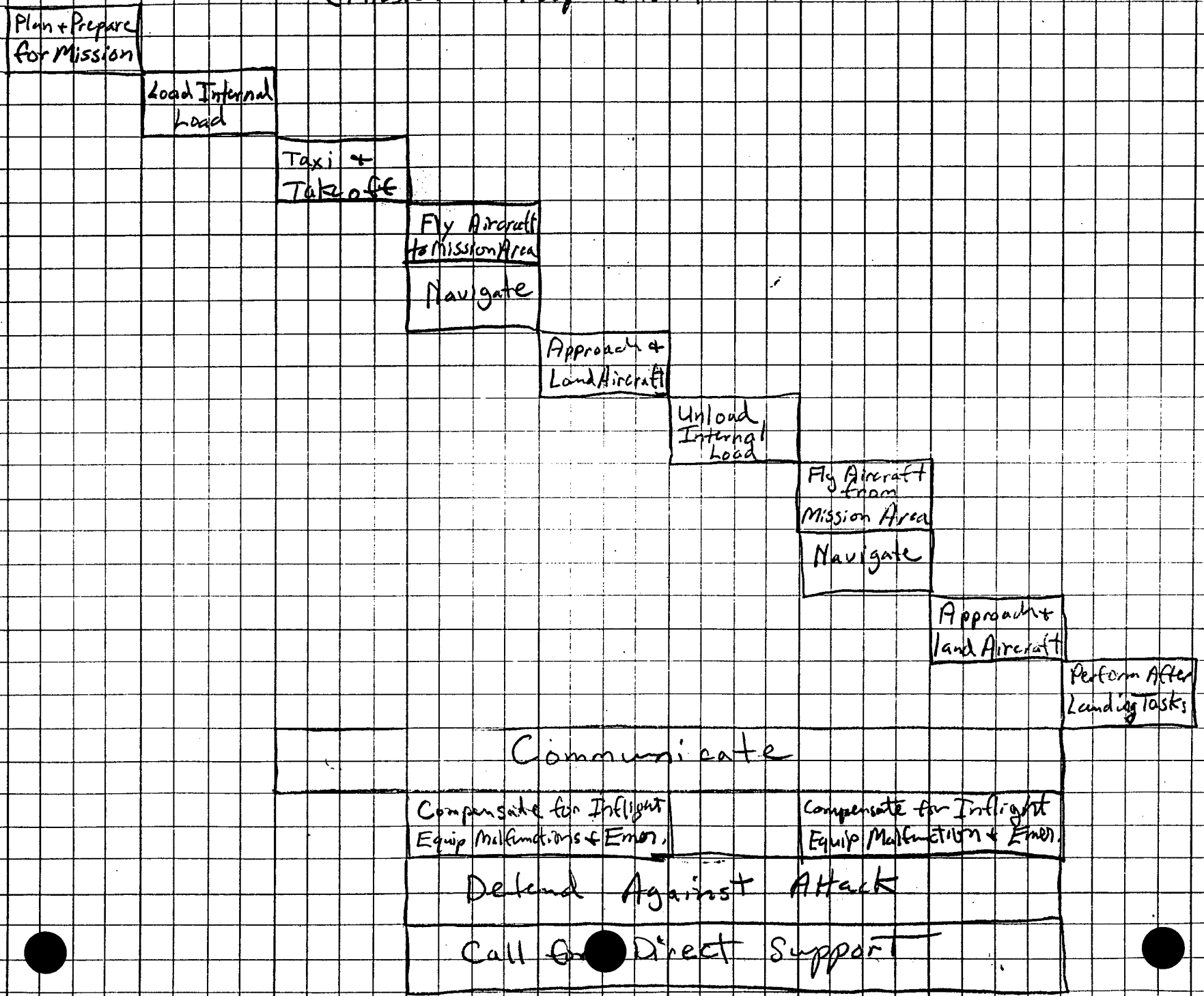
Air Defense Gun Systems

- Power Plant
- Power Train
- Tracks & Suspension
- Steering & Braking
- Electrical System
- Hydraulic System
- Ventilation System
- Chassis & Crew Compartments
- Instruments & Gauges
- Communications System
- Turret & Stabilization System
- Fire Control & Sighting System
- Surveillance Radar System
- Tracking Radar System
- Auxiliary Systems

4.2.7 - Function Sequence by Mission

This library will contain a description of the most likely sequence of functions within a given mission, for a given System Type. On the following page, we have included an example of a function sequence for utility helicopters for a "troop insertion" mission.

UTILITY HELICOPTER FUNCTION SEQUENCE
(Mission = Troop Insertion)



4.2.8 - Task Sequence by Function

This library will contain a description of the most likely sequence of tasks within a given function, for a specific System type. These generic task sequences will be available to the user when he or she is developing the initial sequences of tasks in the Workload Analysis Aid.

4.2.9 - Baseline Time and Accuracy Values by Function and Task

In the Product 1 SPREA analysis, the user will assign time and accuracy criteria to functions and tasks that compose a system mission. This library will contain data from a selection of existing systems that the user can access to assist him or her in this process. In the MDA, the user can access the Baseline Time and Accuracy library for baseline estimates of function and task execution times.

Table 4-2 on the following page, is a summary table documenting the amount of data and the System Types for which we have currently collected for the Time and Accuracy Library. In Appendix A we have included the portion of the actual data for building the Time and Accuracy Library that has currently been collected.

	System	Total Tasks #	Time #	Time %	Time + Accuracy (Standard) #	Time + Accuracy (Standard) %	Accuracy (Standard) #	Accuracy (Standard) %	Accuracy (Crit) #	
9.	IFV	58	11	.189	1	.017	5	.086	0	—
10	Anti Tank Vehicle ITV	55	5	.090	5	.090	2	.036	0	—
11	Rifles	19	0	—	0	—	13	.684	1	0.53
12	grenade launchers	21	0	—	0	—	32	1.52	0	—
13	Anti Tank - DRAGON	14	0	—	0	—	5	.357	0	—
14	Autom. Weapons SAW	27	0	—	0	—	15	.555	0	—
15	Non-Portable mortars	24	7	.291	4	.166	0	—	0	—
16	Tanks	54	41	.759	10	.185	8	.148	3	0.55
17	Fighting Vehicles	58	1	.0172	14	.241	0	—	0	—
18	LANCE	46	2	.043	16	.348	38	.826	1	102
19	Towed Howitzer	52	17	.326	35	.673	9	.173	0	—
20	Self-Prop. Howitzer	65	18	.277	28	.431	8	.123	0	—
22	Air def Mobile Vulcan	50	12	.24	1	.02	33	.66	0	—
23	Man Portable Stinger	13	0	—	1	.077	0	—	0	—
24	Attack Heli	57	2	.035	4	.07	28	.49	0	—
25	Cargo Heli	64	2	.031	4	.062	15	.234	1	.0172
26	Utility Heli	64	2	.031	3	.047	23	.359	0	—
27	Scout Heli	64	2	.031	4	.062	15	.234	1	.0172
28	Trucks	21	6	.286	0	—	34	1.62	0	—

4.2.10 - Baseline Library of Component Maintenance Parameters by System

The Component Maintenance Parameter Library will be a data base file of Component Maintenance Parameters for fielded systems within the Army. The components and their associated maintenance parameters are organized by Functional System within each Major System.

The analyst will be able to use the Baseline Library of Component Maintenance Parameters Library to locate and copy historical maintenance data on component parameters to be used as baseline estimates of parameters that are required as input for the Maintenance Requirements Simulation Model.

Organization of the parameters in the library is by Mission Area, System Type, System Name, Functional System, and component.

The primary source of data for building the Baseline Library of Component Maintenance Parameters will be the Army Sample Data Collection Data Base. As a part of the work that will be accomplished in phase III we will develop one or more data extraction programs to read sort and convert data contained in the SDC data bases into the formats needed for the Component Maintenance Parameter Library. Appendix B contains examples of some of the maintenance data collection reports that can be obtained from the SDC data base. Appendix C contains excerpts from the SDC User's Guide that details the kinds of reports that can be obtained from the SDC data base and the procedures for obtaining those reports.

SECTION 5 - DESCRIPTION OF INPUT/OUTPUT FILES

This section contains detailed descriptions of the data structures for each input and output file that is required or produced by the Maintenance Manpower Analysis Aid and the Workload Analysis Aid.

5.1 - Input Files Used by Both the MMAA and the WAA.

The Data Dictionary Forms that are included on the following pages describe the data file structures for each of the input files from the Product 1 SPREA analysis.

DATA DICTIONARY FORM

File Identification: System List
Description of Contents: Lists the system description data for all systems for which there are Product 1 files

Record	Field	Description	Length	Data Type
1		Identification record	80	Alphanum.
	1	Comment field	80	Alphanum.
2 - end		System description data	118	Alphanum.
	1	Mission area	50	Alphanum.
	2	System type	30	"
	3	System name	30	"
	4	Date last accessed	8	xx/xx/xx

Estimated Number of Records = 50?
Fixed or Variable Length File = Variable

DATA DICTIONARY FORM

File Identification: System Missions
Description of Contents: Lists the missions for a specific system which have Product 1 files

Record	Field	Description	Length	Data Type
1		Identification record	118	Alphanum.
	1	Mission Area	50	Alphanum.
	2	System Type	30	"
	3	System Name	30	"
	4	Date Created	8	xx/xx/xx
2 - end		Mission Names	92	Alphanum.
	1	Mission number	12	"
	2	Mission name	80	"

Estimated Number of Records = 16
Fixed or Variable Length File = Variable

DATA DICTIONARY FORM

File Identification: Condition Set
Description of Contents: Lists the Condition Settings for a specific condition set number

Record	Field	Description	Length	Data Type
1		Identification record	92	Alphanum.
	1	Condition set name	80	Alphanum.
	2	Condition set number	12	"
2	1	Environmental (Basic)	120	Alphanum.
3	1	Terrain (Basic)	120	Alphanum.
4	1	Target/Threat (Basic)	120	Alphanum.
5	1	Friendly Force (Basic)	120	Alphanum.
6	1	Environmental (Add'l)	120	Alphanum.
7	1	Terrain (Add'l)	120	Alphanum.
8	1	Target/Threat (Add'l)	120	Alphanum.
9	1	Friendly Force (Add'l)	120	Alphanum.

Estimated Number of Records = 9
Fixed or Variable Length File = Variable

5.2 - MMAA Input/Output File Structures

Input Files

The Data Dictionary Forms included on the following pages describe the data file structures for each Product 1 input files used by the Maintenance Manpower Analysis Aid.

DATA DICTIONARY FORM

File Identification: Corrective Maintenance Criteria
Description of Contents: Lists the maintenance ratios and MTTR by equipment by maintenance task

Record	Field	Description	Length	Data Type
1		Identification record	66	Alphanum.
	1	System Name	30	Alphanum.
	2	System Type	30	
2 - end		MRs and MTTRs	266	Alphanum.
	1	Equipment Type	20	
	2	Overall MR	xxx.xx	flt. pt.
	3	Overall MTTR	xxxxx.xx	flt. pt.
	4	Inspection ORG MR	xxx.xx	
	5	Inspection ORG MTTR	xxxxx.xx	
	6	Inspection DS MR	xxx.xx	
	7	Inspection DS MTTR	xxxxx.xx	
	8	Inspection GS MR	xxx.xx	
	9	Inspection GS MTTR	xxxxx.xx	
	10	Repair ORG MR	xxx.xx	
	11	Repair ORG MTTR	xxxxx.xx	
	12	Repair DS MR	xxx.xx	
	13	Repair DS MTTR	xxxxx.xx	
	14	Repair GS MR	xxx.xx	
	15	Repair GS MTTR	xxxxx.xx	
	16	Replace ORG MR	xxx.xx	
	17	Replace ORG MTTR	xxxxx.xx	
	18	Replace DS MR	xxx.xx	
	19	Replace DS MTTR	xxxxx.xx	
	20	Replace GS MR	xxx.xx	
	21	Replace GS MTTR	xxxxx.xx	
	22	Test ORG MR	xxx.xx	
	23	Test ORG MTTR	xxxxx.xx	

25	Test DS MTTR	xxxxx.xx
26	Test GS MR	xxx.xx
27	Test GS MTTR	xxxxx.xx
28	Troubleshoot ORG MR	xxx.xx
29	Troubleshoot ORG MTTR	xxxxx.xx
30	Troubleshoot DS MR	xxx.xx
31	Troubleshoot DS MTTR	xxxxx.xx
32	Troubleshoot GS MR	xxx.xx
33	Troubleshoot GS MTTR	xxxxx.xx

Estimated Number of Records = 13
Fixed or Variable Length File = Variable

DATA DICTIONARY FORM

File Identification: System RAM Criteria
Description of Contents: Lists the reliability, availability, and maintainability criteria for the system

Record	Field	Description	Length	Data Type
1		Identification record	66	Alphanum.
	1	System Name	30	Alphanum.
	2	System Type	30	
	3	Scenario Comment	80	
2		Availability	6	Alphanum.
	1	Operational Availabilty	xxx.xx	(%)
3		Maintainability	14	
	1	Maintenance Ratio	xxx.xx	hr/op hr
	2	MTTR	xxxxx.xx	hours
4		Reliability		
	1	Mobility	xxxxx.xx	
	2	Measure	5	miles/km/flthr
	3	Usage (Daily)	xxxxx	
5		Reliability		
	1	Armaments	xxxxx.xx	
	2	Measure	5	rnds
	3	Usage (Daily)	xxxxx	
6		Reliability		
	1	Communication	xxxxx.xx	
	2	Measure	5	hours/mins
	3	Usage (Daily)	xxxxx	

Estimated Number of Records = 6
Fixed or Variable Length File = Fixed

Output Files

The Data Dictionary Forms included on the following pages describe the data file structures for each output file produced by the Maintenance Manpower Analysis Aid.

DATA DICTIONARY FORM

File Identification: Component Maintenance Parameters

Description of Contents: Contains both contractor and government estimates of maintenance parameters for each component in the system under evaluation.

Record	Field	Description	Length	Data Type
1		Identification Record	168	Alphanum
	1	Mission Area	50	Alphanum
	2	System Type	30	Alphanum
	3	System Name	30	Alphanum
	4	Date Created	8	XX/XX/XX
2 - END		Maintenance Parameters	138	
	1	Functional System	30	Alphanum
	2	Component Name	30	Alphanum
	3	Maintenance Action (c)	2	Integer
	4	Maintenance Action (g)	2	Integer
	5	MOS/Skill Level (c)	5	Alphanum
	6	MOS/Skill Level (g)	5	Alphanum
	7	Maintenance Type (c)	1	Alpha
	8	Maintenance Type (g)	1	Alpha
	9	Mean Op Units Between Failure (c)	14	Real
	10	Mean Op Units Between Failure (g)	14	Real
	11	Operational Unit Metric (c)	1	Integer
	12	Operational Unit Metric (g)	1	Integer
	13	Maintenance Category (c)	1	Integer
	14	Maintenance Category (g)	1	Integer
	15	Mean Time to Repair (c)	14	Real
	16	Mean Time to Repair (g)	14	Real
	17	Mission Abort (c)	1	Alpha
	18	Mission Abort (g)	1	Alpha

Record Length: 138
File Length: Variable

DATA DICTIONARY FORM

File Identification: Maintenance Manpower Requirements

Description of Contents: Contains the results of the Maintenance Requirements Simulation Model in terms of the total amount of time spent per maintenance action, the type of maintenance that was performed, and the type of personnel required to perform the maintenance.

Record	Field	Description	Length	Data Type
1		Identification Record	183	Alphanum
	1	Mission Area	50	Alphanum
	2	System Type	30	Alphanum
	3	System Name	30	Alphanum
	4	Mission	50	Alphanum
	4	Date Created	8	XX/XX/XX
2 - END		Total Time per Maintenance Action	85	
	1	Functional System	30	Alphanum
	2	Component Name	30	Alphanum
	3	Maintenance Action	2	Integer
	4	Maintenance Type	1	Integer
	5	Maintenance Category	1	Integer
	6	MOS/Skill Level	5	Alphanum
	7	Headcount	2	Integer
	8	Total Maintenance Time	14	Real

Record Length: 85
File Length: Variable

DATA DICTIONARY FORM

File Identification: Mission Completion Data File

Description of Contents: Contains the number of missions started, the number of missions missed due to maintenance activities, the number of missions aborted,

Record	Field	Description	Length	Data Type
1		Identification Record	231	Alphanum
	1	Mission Area	50	Alphanum
	2	System Type	30	Alphanum
	3	System Name	30	Alphanum
	4	Mission	50	Alphanum
	5	Date Created	8	XX/XX/XX
	6	Missions Started	5	Integer
	7	Missions Missed	5	Integer
	8	Missions Aborted	5	Integer
	9	Mean Rounds Between Failure	10	Integer
	10	Mean Miles Between Failure	10	Integer
	11	Mean Time Between Failure (time metric components only)	14	Real
	12	Mean Time Between Failure (all components)	14	Real

Number of Records: 1
Record Length: 231 (fixed)

5.2 - WAA Input/Output File Structures

Input Files

The Data Dictionary Forms included on the following pages describe the data file structures for each Product 1 input files used by the Workload Analysis Aid.

DATA DICTIONARY FORM

File Identification: Task Performance Criteria
Description of Contents: Lists the performance time and accuracy criteria, as well as the accuracy standard, for each task in a given function

Record	Field	Description	Length	Data Type
1		Identification record	66	Alphanum.
	1	System Name	30	Alphanum.
	2	Mission Number	12	Alphanum.
	3	Function Number	12	"
	4	Condition Set Number	12	"
2 - end		Task performance	296	Alphanum.
	1	Task number	12	"
	2	Time	xxxxx.xx	flt. pt. (min)
	3	Prob (level 0) Accuracy	xxx.xx	flt.pt (%)
	4	Prob (level 1) Accuracy	xxx.xx	flt.pt (%)
	5	Prob (level 2) Accuracy	xxx.xx	flt.pt (%)
	6	Accuracy std (level 0)	80	Alphanum.
	7	Accuracy std (level 1)	80	"
	8	Accuracy std (level 2)	80	"
	9	Prob (redo) (level 0)	xxx.xx	flt.pt (%)
	10	Prob (redo) (level 1)	xxx.xx	flt.pt (%)
	11	Prob (redo) (level 2)	xxx.xx	flt.pt (%)

DATA DICTIONARY FORM

File Identification: Function Performance Criteria
Description of Contents: Lists the performance time and accuracy criteria, as well as the accuracy standard, for each function in a given mission

Record	Field	Description	Length	Data Type
1		Identification record	54	Alphanum.
	1	System Name	30	Alphanum.
	2	Mission Number	12	"
	3	Condition Set Number	12	"
2 - end		Function performance	266	Alphanum.
	1	Function number .	12	"
	2	Time	xxxxx.xx	flt. pt. (min)
	3	Accuracy	xxx.xx	flt.pt (%)
	4	Accuracy standard	80	Alphanum.
	5	Comment	160	"

Estimated Number of Records = 8
Fixed or Variable Length File = Variable

DATA DICTIONARY FORM

File Identification: Mission Performance Criteria
Description of Contents: Lists the performance time and accuracy criteria, as well as the accuracy standard, for the mission

Record	Field	Description	Length	Data Type
1		Identification record	54	Alphanum.
	1	System Name	30	Alphanum.
	2	Mission Number	12	"
	3	Condition Set Number	12	"
2		Mission performance	334	Alphanum.
	1	Mission Name	80	"
	2	Mission time	xxxxx.xx	flt. pt. (min)
	3	Mission Accuracy	xxx.xx	flt.pt (%)
	4	Accuracy standard	80	Alphanum.
	5	Comment	160	"

Estimated Number of Records = 8
Fixed or Variable Length File = Variable

DATA DICTIONARY FORM

File Identification: Tasks per Function

Description of Contents: Lists the tasks which are members of a specific function

Record	Field	Description	Length	Data Type
1		Identification record	54	Alphanum.
	1	System Name	30	Alphanum.
	2	Mission Number	12	"
	3	Function Number	12	"
2 - end		Task Names	163	Alphanum.
	1	Task number	12	"
	2	Task name	80	"
	3	Decision type[2]	1	"
	4	Following task no. 1	12	"
	5	Prob (task no. 1)[3]	2	"
	6	Following task no. 2	12	"
	7	Prob (task no. 2)	2	"
	8	Following task no. 3	12	"
	9	Prob (task no. 3)	2	"
	10	Following task no. 4	12	"
	11	Prob (task no. 4)	2	"
	12	Following task no. 5[4]	12	"
	13	Prob (task no. 5)	2	"

Estimated Number of Records = 8

Fixed or Variable Length File = Variable

[2]The decision type can be P (probabilistic) or M (multiple). A task with a probabilistic decision type will take only one of the following tasks. The following task will be chosen by selecting a number randomly and comparing it to the probabilities listed in the odd-numbered fields 5 and up. If the decision type is multiple, all of the following paths will be taken. This will cause all of the following tasks for this task to begin execution in parallel.

[3]If the decision type is M (multiple) then the probability fields for the following tasks will be filled with blanks.

[4]Five following tasks is the maximum allowable. If there are less than five possible following tasks, the remaining fields

DATA DICTIONARY FORM

File Identification: Functions per Mission
Description of Contents: Lists the functions which are members of a specific mission

Record	Field	Description	Length	Data Type
1		Identification record	42	Alphanum.
	1	System Name	30	Alphanum.
	2	Mission Number	12	"
2 - end		Function Names	93	Alphanum.
	1	Function number	12	"
	2	Function name	80	"
	3	Function type[1]	1	"

Estimated Number of Records = 20
Fixed or Variable Length File = Variable

[1]The function type can be O (operations), T (transportation), or M (maintenance).

DATA DICTIONARY FORM

File Identification: Task Data File
Description of Contents: All information pertaining to tasks and sequencing

Record	Field	Description	Length	Data Type
1		Identification record	80	Alphanum.
	1	Comment field	80	Alphanum.
2 to n + 1 (n tasks total)		Task descriptors	var	
	1	Task name	80	Alphanum.
	2	Task condition set number	2	Alphanum.
	3	Average task performance time	6	Numeric
	4	Minimum task performance time	6	Numeric
	5	Maximum task performance time	6	Numeric
	6	Task workload in each of six possible channels (only four currently used)	6	Numeric
	7	Job assignment	10	Alphanum.
	8	Task notecard information	var	Alphanum.
	9	Task sequencing type	1	Numeric
	10	Following tasks	var	Numeric
	11	Following task probabilities	var	Numeric
	12	On/Off task interval		
	13	Date last accessed	8	xx/xx/xx
n+1 to n+1+m (m jobs total)		Job descriptors	var	
	1	Identification record	80	Alphanum
	2	MOS from which baseline estimate was developed	8	Alphanum.
	3	Job notecard information	var	Alphanum.

Estimated Number of Records = 200
Fixed or Variable Length File = Variable

SECTION 6 - SIMULATION MODEL DESCRIPTIONS

6.1 The Maintenance Requirements Simulation Model

The Maintenance Requirements Simulation Model that is embedded within the MMAA will model the maintenance requirements of each component in the new system being evaluated. It will compute an estimation of the total system maintenance requirements and an estimation of system reliability and availability. Figure 6-1 is a block diagram of the top level network in the Maintenance Requirements Simulation model. The next few pages will explain the logic, algorithms, and data collection techniques used in the model. All of the techniques and algorithms described in this section are within the current functional capabilities of the Micro SAINT simulation software that will be used to build the embedded computer model.

Each oval or rectangular shape in the Figure 6-1 represents a task in the top level network. The arrows between the nodes indicate the sequence of execution. The simplicity of this top level network is apparent. However, the rectangular nodes labeled "calculate maintenance schedule" and "perform maintenance" represent sub-networks of tasks.

The following paragraphs discuss the individual tasks in the model.

Sub-network 1.0 - Calculate Maintenance Schedule

The node labeled 1.0 represents a sub-network of tasks that will calculate a schedule for the first corrective and planned maintenance action for each component in the system. Figure 6-2 is an illustration of the tasks in the "Calculate Maintenance Schedule" sub-network.

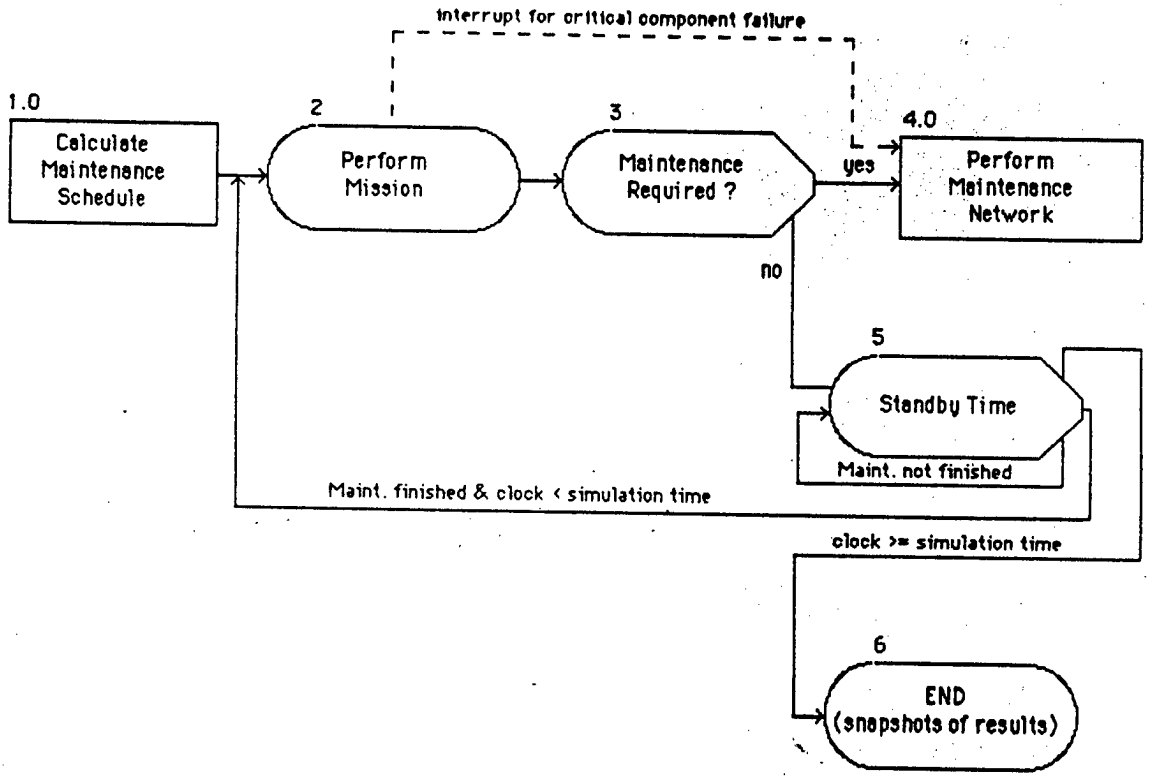

MAINTENANCE REQUIREMENTS
SIMULATION MODEL
Top Level
interrupt for critical component failure
1.0
Calculate Maintenance Schedule
2
Perform Mission
3
Maintenance Required ?
yes
4.0
Perform Maintenance Network
no
5
Standby Time
Maint. not finished
Maint. finished & clock < simulation time
clock >= simulation time
6
END
(snapshots of results)

Figure 6-1

CALCULATE MAINTENANCE SCHEDULE
Sub-network

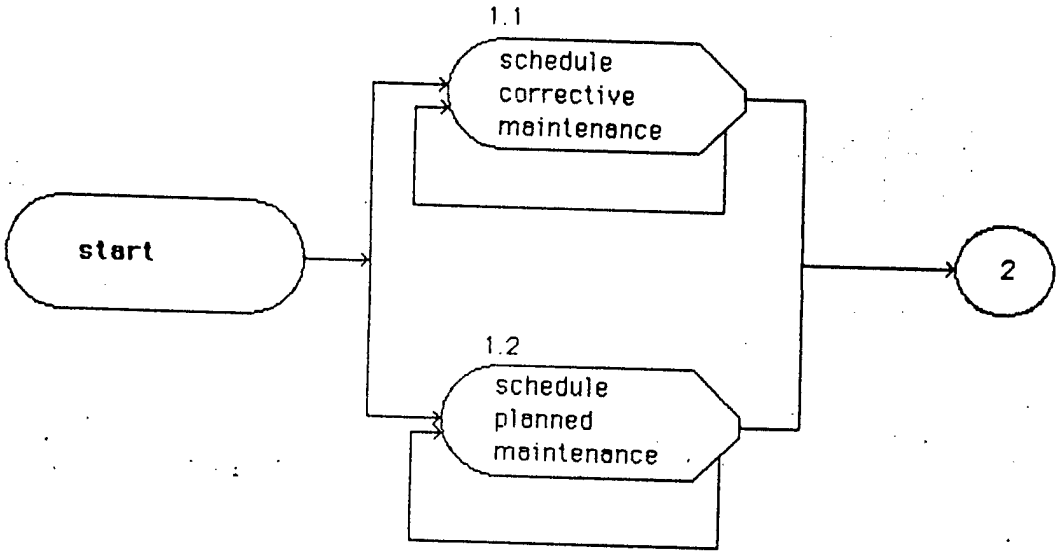


Figure 6-2

Task 1.1 in Figure 6-2 will be used to perform the calculations that will determine the corrective maintenance schedule. The number of operational units before the first failure requiring corrective maintenance for each component will be determined by a Micro SAINT function that will search the component parameter matrix that was input by the analyst for each maintenance action whose "type" is "corrective". The function will then calculate an exponentially distributed random number using the "mean operational units between failure" for that action and component. The actual number of operational units to be used for the simulated first corrective maintenance for each component will be stored in a two-dimensional variable array along with the binary value from the Component Maintenance Parameter matrix that indicates whether or not that particular component failure is critical enough to cause the mission to be aborted. The current number of operational units in the simulation (at this point zero) will also be stored. The last element for each component in the array is a binary value that indicates when the current number of operational units has reached the value calculated for the first component failure. Figure 6-3 is an illustration of the elements in the corrective maintenance array.

A second variable array will contain values to be used for simulating planned maintenance. Task 1.2 in Figure 6-2 will be used to assign the values to the planned maintenance array for each component. The number of operational units between maintenance actions that are "planned" will be taken directly from the Component Maintenance Parameter file since planned maintenance is scheduled on a regular basis. The variation in the time that planned maintenance is actually conducted is modeled by performing planned maintenance only between missions. This array will also contain an element that indicates the current number of operational units since the last occurrence of this planned maintenance action and a binary "flag" (1 or 0) to indicate when the component is ready for the planned maintenance.

CORRECTIVE MAINTENANCE VARIABLE ARRAY

Name	actual units for next fail	current operational units	critical component	maintenance required
Component 1	456	23	1	0
Component 2	112	16	0	1
Component 3	1300	18	0	1
Component 4	2345	12	1	0
Component 5	720	100	1	0

Figure 6-3

Task 2 - Perform Mission

The function of this task is to increment variables that indicate the current state of the simulation model. Following is a list of variables that are incremented in task 2:

1. A counting variable that keeps track of the number of missions started is incremented by one.

2. The number of operational units for each component per mission according to the mission scenario information that was entered by the analyst.

3. The mission mean time and standard deviation are used to calculate a normally distributed random number representing the actual (simulated) execution time for "Perform Mission".

4. The "current number of operational units" elements of the maintenance schedule arrays for planned and corrective maintenance (discussed above) for each component are incremented by the number of operational units per mission obtained from the mission scenario data. For example, if the mission scenario data indicates that a component is operated for 50% of a mission, and the simulated mission time is 2.5 hours, the current number of operational units for that maintenance action is incremented by 1.25 hours.

5. For planned and non-critical corrective maintenance actions, the current number of operational units is compared to the number of operational units for the next failure (or planned maintenance). If the current operational units is greater than or equal to the value for the next failure, the flag element indicating a

need for maintenance is changed from 0 to 1.

Corrective maintenance that causes the mission to be aborted will cause task 2 to be interrupted and the maintenance will be performed immediately (refer to the dotted line on the network diagram). In this case, the operational units per mission for the other components in the system will only be incremented by the percent of the mission that was completed.

6. Three variables will keep track of the total number of operational units for each operational unit metric throughout the simulation (i.e. time, rounds, miles). These variables will be use to calculate the aggregate mean operational units between failures for all components that use the same metric.

7. When a mission is aborted, a variable counting the total number of aborted missions is incremented by one. The value of this variable will be used to calculate a measure of mission reliability using the following equation:

reliability = (TS - TA) / TS

where:
TS = total missions started
TA = total missions aborted

Reliability in the above equation is the probability of the mission being completed without aborting.

8. System reliability will be the probability that the system will be able to perform a single mission with out a component failure. System reliability will be

determined from the Mean Operational Units Between Failure for each operational unit metric (discussed above). The system reliability per mission for each metric will be calculated using the following equation:

reliability per mission = $e^{-TO/MOUBF}$

where: e = base of natural logarithms

TO = total number of operational units per mission.

MOUBF = mean operational units between failure for all components with the same metric.

This calculation assumes an exponential distribution for all component failures.

The overall system reliability will be the product of the reliability probabilities for all three metrics.

Task 3 - Maintenance Required ?

This is a zero time task whose function is to sort through the variable arrays to determine if any of the planned or non-critical maintenance flags are equal to 1 (one). Task 3 is a decision task. If any of the component flags equals one, it is followed by the "Perform Maintenance" network and by the task labeled "Standby Time". This is to establish a "window" of time within which all maintenance must be completed to avoid missing the next scheduled mission.

If all of the component flags in the two variables are equal to 0 (zero), only task 5 ("Standby Time") is executed next.

Sub-network 4.0

This sub-network simulates the performance of all maintenance activities. The maintenance for each component whose "flag" in the planned or corrective maintenance variable array is performed in parallel. To calculate the actual number of people needed for each maintenance job, the model will first generate the maintenance times for each task and then sum all of the tasks that are to be performed by a single maintenance job. This value is compared to the time allotted for the maintenance window to determine the number of people needed for each job. Figure 6-4 is a block diagram of the tasks in the perform maintenance sub-network.

When the maintenance for a component has been completed, the variable array element containing the cumulative operational units between maintenance is re-set to zero. If the corrective maintenance was performed, a new exponentially distributed random number is generated for the number of operational units until the next failure and assigned to that array element in the corrective maintenance array.

Task 4.1 is a "dummy" task used to start each of the component maintenance tasks that have flag values equal to 1 (one). Task 4.1 also assigns the value of 1 (one) to another flag (referred to later as the "overall maintenance flag") indicating that maintenance (of some kind) has started. Task 9999 will not execute until all of the maintenance tasks have completed. It is a zero time task that resets the maintenance flag to 0 (zero) to indicate that all maintenance has been completed.

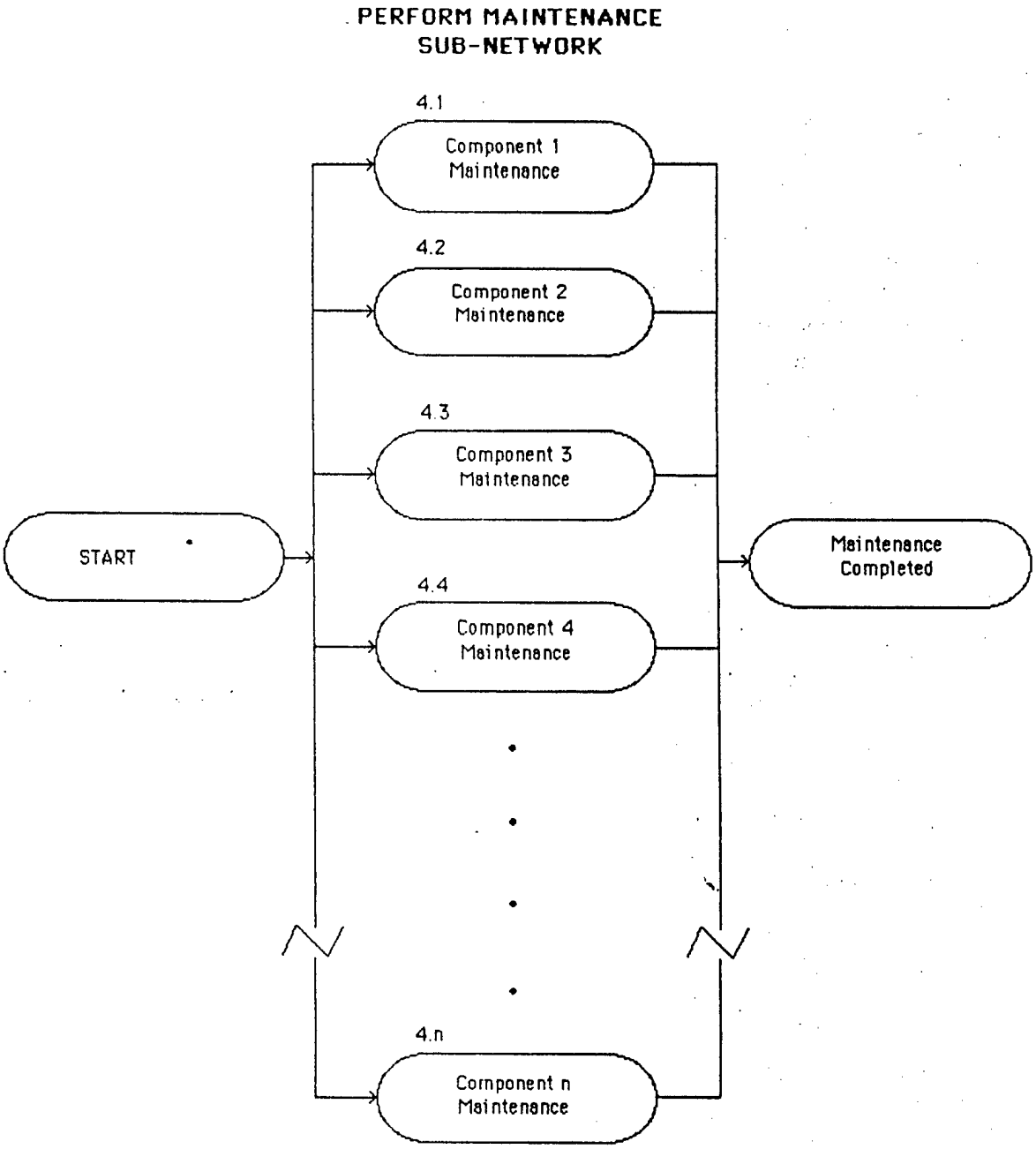

PERFORM MAINTENANCE
SUB-NETWORK
4.1
Component 1
Maintenance
4.2
Component 2
Maintenance
4.3
Component 3
Maintenance
START
Maintenance
Completed
4.4
Component 4
Maintenance
4.n
Component n
Maintenance

Figure 6-4

The time it takes to perform each individual maintenance action is a obtained from the mean values for repair times that are stored in the Component Maintenance Parameter File. The mean time to repair is also used to increment the variables that represent the cumulative number of manhours for the appropriate:

- Maintenance job (MOS/skill level/category).
- Maintenance type.
- Maintenance level
- System component

Task 5 - Standby Time

This task simulates the time between scheduled missions. It follows task 3 whether or not maintenance is required. The execution time for task 5 is generated from a function that uses the following Maintenance Scenario file values:

- Mean time between missions
- Standard deviation between missions (this value is calculated from the + - deviation value that is entered by the analyst by dividing that value by 2).
- Number of missions per day

The main purpose for the "Standby Time" task is to establish "windows" of time within which all maintenance must be completed without missing the next scheduled mission. At the end of task 5 the value of the "overall maintenance flag" is checked. If the value of the flag is 1 (one), it indicates that some maintenance is still being performed.

When this is the case two things happen:

1) A variable storing the number of missed missions is incremented by one.

2) A new window is established by generating an execution time for the mission that was missed and adding it to another randomly generated standby time.

Task 5 keeps following itself until all of the maintenance has been completed. Then it is followed by the performance of the next mission.

An estimate of inherent availability for the system will be calculated by aggregating the mean time between failures for all components and the mean time to repair for all maintenance actions using the following equation:

inherent availability = (MTBF / (MTBF + MTTR)

where: MTBF = mean time between failure for all components

MTTR = mean time to repair for all components

When the system clock is greater than or equal to the number of days covered by the simulation, as indicated in the mission scenario data, task 5 is followed by the last task in the model.

When the last task is executed, the values of all of the variables used to store maintenance manhour requirements will be stored in a Simulation Results File data base. The analyst can access this data base through the Maintenance Reports Generator to generate reports of the maintenance manhour requirements calculated in the simulation model.

The output of the computer simulation model will be a relational data base of maintenance manhour requirements that can be queried to report various combinations of maintenance requirements such as:

- Maintenance jobs required.
- Maintenance tasks (maintenance action by component) per maintenance job.
- Manhours by maintenance job.
- Maintenance headcount data per job.
- Manhours by system component.
- System reliability.
- Mission reliability.
- System inherent availability.

6.2 Mission Workload Simulation Model

The Mission Workload Simulation Model will be developed by the MDA Applications Manager from the data that the user entered and subsequently filed in the libraries and working files. This simulation model will be based on Micro SAINT simulation, although the model development portion of Micro SAINT will be transparent to the user.

In this product, the mission performance will be analyzed using a hierarchical task network model. In the model, the mission is the top-level network. This mission network is

composed of functions (sub-networks). Each of the functions in the mission is composed of a network of tasks. (The definitions of missions and functions follows that shown in the mission taxonomy in Section 4).

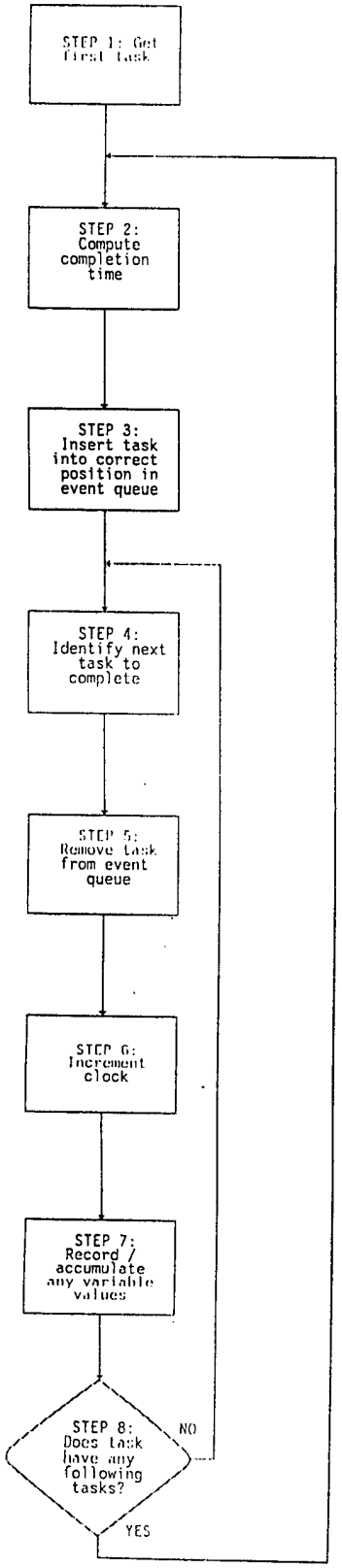
As the user proceeds through the steps defined in this product, he/she will be defining the mission, its composite functions and tasks, the sequence of the functions and tasks, and the performance estimates for the functions and tasks. All of this information will be combined to build a task network model of the mission.

Model execution will be accomplished using the Micro SAINT program "Exe.exe." This software program is DoD-owned, and is currently maintained by MA&D. For this reason, the software which actually controls the progression of the mission simulation model is already complete and will not need to be modified. Since this document is the design specification for the code that must be developed to support the product, we will not discuss the Micro SAINT executable program in any detail.

When the mission performance models are executed, the user will control the number of times that the model will be run. The software will save the results of each run so that they can be compared to each other in frequency distributions or other reports. This feature is also currently available in Micro SAINT and will not need to be developed.

Micro SAINT input and output files are in ASCII format. This allows our MPT products to access the Micro SAINT output without significantly modifying Micro SAINT, itself. This will be a great time saver.

Executing the mission performance model is an iterative procedure that can be described as an eight step process. A flow diagram of this process is presented in Figure 6.1-1.



Performance Model Execution

Figure 6-5

In the remainder of this subsection, we will discuss each step in detail.

Step 1 - Identify the first task in the model. This step is very simple because the first task in the model will be recognized by first identifying the first function in the model. The first function in the model is the function which is listed first on the function sequence table (See Section 3, Step 6). The first task of the model, then, is the task which is listed first on the task sequence table which is associated with the first function.

Step 2 - Compute the task's completion time. The completion time for a task will be computed by adding the estimated task time to the current system clock time.

Step 3 - Insert the task into the correct position in the event queue. Since the Micro SAINT model is event driven, there is an "event queue". The event queue is a linked list data structure which contains an ordered last of all the tasks in the model which are currently executing. Each task is positioned in the event queue (i.e., the linked list) in the order that the tasks will complete. In other words, the next task to complete will be the task that is positioned at the top of the event queue. The event queue storage area contains a description of the task. This description includes the name of the task, the number of the task, any tasks which will follow this task, and the clock time at which the task will complete.

Step 4 - Identify the next task to complete. As stated in Step 3, the next task to complete will be positioned at the top of the event queue (i.e., will be the first element in the linked list).

Step 5 - Remove the next task to complete from the event queue. This consists of moving the pointer of the linked list down one position, so that it will be pointing at the second item in the

event queue. This procedure establishes the second task as the "top of the queue." The description of the first item in the queue is then stored as the current execution event.

Step 6 - Increment the clock. The system clock is then updated by incrementing its value to the time at which the new task is scheduled to complete.

Step 7 - Record/accumulate any variable values. The purpose of the model is to estimate the mission/function performance and workload. This requires that any variables which are being monitored throughout the simulation be recorded. In this step, any variable storage or calculations will be completed. If necessary, the variable values can be stored for analysis upon model completion.

Step 8 - Does the task have any following tasks? One of the descriptor fields for each task is the following task(s). If the task does have a following task, then control will be transferred to Step 2 for the new task. If the task does not have any following tasks, then control will be transferred to Step 4.

As stated previously, even though the user will not use the Micro SAINT user interface as it presently exists, we will incorporate portions of the Micro SAINT simulation language within the MDA. Micro SAINT is currently capable of accepting ASCII data files, compiling any arithmetic expressions and functions, and building a linked discrete simulation model using the procedures discussed above. Micro SAINT is also capable of drawing network diagrams of the model and building timelines of task execution. The interface that the user will use to communicate with Micro SAINT will be MPT^2-Specific and will enable the user to learn how to use the tool quickly and easily, without confusing him/her with simulation terminology and other extraneous issues.

SECTION 7 - TECHNOLOGY TRANSFER ISSUES

7.1 TRAINING STRATEGY

The goal of this software specification phase of the $(MPT)^2$ effort is to design a set of automated tools that the user can implement immediately without external training. To accomplish this, we have designed a user interface that will allow the system to be used by analysts who have very little computer experience (see section 3). The primary source of training for the average user will be included in the documentation that is developed for the system.

7.2 DOCUMENTATION SPECIFICATIONS

There are two types of documentation that will be developed for the Manpower Determination Aid: 1) user documentation, and 2) program documentation. User documentation provides the user of the MDA with information on how to use the software and in how to use the overall tool in the MPT process. Program documentation will be used to describe the programming conventions and rules that will be used in writing the computer code that makes up the MDA. In the following paragraphs, we have included specifications of what will be included in each type of documentation.

7.2.1 User Documentation

User documentation is itself divided into two categories; "on-line help" and the "MDA User's Guide". "On-line" help is documentation that the user can obtain by pressing the <F1> or <Shift> <F1> function keys while working with the MDA software. When the user presses <F1>, a context specific help message will display. This message will give the user specific information about the screen, menu, template, or prompt the user is currently

working with. This information will be brief and will generally focus on what the user is expected to do next. It will inform the user of any rules that may be in effect and will, if appropriate, provide the user with a specific example and step-by-step procedures. When the user presses <F1> while holding down the <Shift> key an alphabetical index of help information will display. From this index, the user can choose to obtain help information on any MDA topic.

The "MDA User's Guide" will contain detailed information on all aspects of the MDA software and the role and use of the MDA as a tool in the MPT process. The User's Guide will be divided into the following six sections:

1. Getting Started - This section will provide the user with step-by-step procedures for installing the MDA software on his or her computer system and to gain access to the various components of the MDA software.

2. Tutorial - The tutorial will give the user the background information and underlying philosophy behind the MDA and its role in the MPT process. It will provide general training on how to use the MDA software focusing on understanding and using the user interfaces. The tutorial will also provide the user with instruction on how to effectively use the other sections of the User's Guide.

3. Reference Section - This section will be divided into two sub-sections, one for the Maintenance Manpower Analysis Aid (MMAA) and one for the Workload Assessment Aid (WAA). Each section will contain an alphabetically listed detailed description of each feature of the two aids. The descriptions will include detailed explanations of the feature, rules (if any) governing its use, step-by-step procedures, sources of data that are required, and a list of

places in the documentation where more information on the feature or related features can be found.

4. Messages - This section will contain a detailed non-technical description of all messages that can presented to the user by the MDA system. Included is a description of what the message means and exactly what the user can do about it.

5. Glossary - Alphabetically lists terms and acronyms that are used in the MDA software and in the overall MPT process.

6. Index - All features, concepts, and procedures will be thoroughly indexed to key words and page numbers in the User's Guide.

7.2.2 Program Documentation

The programming documention conventions described in the next few paragraphs is included so that the source code written for the MDA will be easily understood by current and future programmers. Clearly written and documented code makes the software easier to de-bug, modify, and enhance for future versions. Following are the programming conventions that will be employed in the development of the MDA.

Indentation

We will use the following conventions for indentation of C code. Nested code will be indented one tab stop per level. Curly braces should be indented by the same number of tab stops as the code they enclose and should appear alone on a line. Curly braces that match each other will then line up vertically. Figure 8-1 is an example of the indentation style.

```
int arrayprint(array, numelements)
/*   Function to print out some elements from an array.
inputs:
          array = the array to be printed
          numelements = the number of elements to print,
                    starting at 0
outputs:
          returns TRUE if success, FALSE if failure
                                                              */
int array[]. numelements;

     {
     int i;                                    /* array index */

                                          /* check for bogus input */
     if (numelements > ARRAYSIZE)
          return(FALSE);

                                          /* one element on each line */
     for (i = 0; i < numelements; i++)
          {
          printf("Element number %d is: ", i);
          printf("%d\n", array[i]);
          }

     return(TRUE);
     }
```

Figure 7-1

In a deeply nested subroutine, the code may want to creep off the right side of the screen. When this happens, it will be conceptually more clear to create a new subroutine out of the offending code.

General Structure

Anything but the simplest programs require a very large number of subroutines. A good way to structure code is to have the main program in one file, and have the subroutines in other files. In the MDA software, subroutines will be grouped by function, with all the file I/O routines together in one place and all the develop routines in another. These modules will be compiled separately and linked together with the DOS Linker. Source code files should be kept to under 1000 lines long in order to make them compile quicker when a small change is needed.

In-line Documentation

In-line documentation is the comments that the programmer puts into the source code. They provide a low-level, detailed description of what the code is doing. In-line comments will be written as the code is written and modified accordingly as the development progresses.

Each source file will have a short header containing five items of information:

1. The file name
   Otherwise listings are encountered which are difficult to track down because we don't know the name of the file.

2. The date.
   Also to identify listings.

3. The author's name.
   So we can ask questions later. (And to give credit where it's due.)

4. A description of the file's purpose.

   Usually the 8-character file name is not enough to tell what it does. One or two sentences should be enough.

Backups

All of the source code for the MDA software will be backed up early and often. The criteria for backups will be: backups should be able to survive a fire to the office with no more than one week's worth of lost work.

Testing

The MDA programmers will, of course, test their own code as thoroughly as possible when they write it. But, programmers tend to overlook errors in the programs they've written. To combat this, we will follow a procedure known as break-testing before any software is released to the Army. The programmer will give an executable copy of his or her program to the tester, along with a clean listing of the source code. Then the tester tries to "break it" in every way possible. The tester should force the program to execute every line of code as shown in the source code. This means try all branches, force every if, and produce every error message. If any bugs are found, the programmer fixes them and the tester starts all over again on the new program. When the tester can't break the software, then we know we can deliver it with confidence. We have also found that this procedure often locates bugs in sections of code other than the one being tested.

7.3 MEANS FOR ACHIEVING INSTITUTIONALIZATION

During Option 2 of the $(MPT)^2$ effort, we will produce a

detailed plan for fielding the product. This fielding plan will describe the distribution of the aid's methods, hardware, software, documentation, and training programs to specified Army users in specific Army organizations. The plan will be analogous to the Materiel Fielding Plan developed for Army weapon systems.

At the present time, we believe that successful implementation will, as a minimum, require the following activities.

Identification of Specific Users. Specific users of each product must be identified and the specific MAP activities and documents into which the product will feed must be described. This will ensure that the product has a use in the "real world". Secton 2 describes our approch to this.

Incorporation of Users in Product Development. To ensure that the product meets users' needs, users will be included in the product development process. As a minimum, they should use the product during the external demonstration that will take place during Option 2.

Incorporation of Acceptability/Usability Requirements into Product Specifications. We have incorporated acceptability/usability requirements into the requiremenets specifications for each aid (see Acceptability/Usability Requirements in section 2). The requirements will make sure that the product is easy to use (e.g. clear documentation, on-line help, etc.).

Instruction of Key Personnel. We propose that "key" personnel receive detailed training at ARI headquarters immediately after ARI has accepted the aid. These key personnel will consist of individuals who can be expected to 1) become experts in the use of the aid, 2) become instructors in using the

aid, and 3) act as consultants for ongoing applications of the aid. At the present time, we recomment that these key personnel consist of selected staff members from ARI's System's Manning Lab., members of ARI field offices who have been designated as MANPRINT support personnel, and members of the MANPRINT policy office within DCSPER.

Demonstrate Aid at User's Sites. We also recommend that demonstrations of the aid be provided at all primary user's sites. This demonstration could be conducted by contractor personnel or by the key personnel who were trained at ARI headquarters. The demonstration would include hands-on training with the aid software using "real world" examples, describe the benefits of the product, and show how the product can help users produce MAP products.

Software Maintenance. Specific Army organizations must be identified that can continuously update software, documentation, and training to reflect user applications and evolving needs.

Incorporation into Army Training Programs and Regulations. Army training courses for MANPRINT, project management, etc., must be modified to describe how the aid can help users during the MAP. Regulations and pamphlets in these areas must be modified in the same way.

The variable-naming convention is consistent throughout all codebooks. Table 1 provides a description of the major variable groups as indicated by the first two characters of each variable name. Table 2 provides additional information for the criterion variables collected during the CV.

Table 1

Major Variable Groups in the Concurrent Validation Files

Character 1-2	Source of Variables
ID	Encrypted Identification
M3	CV Criterion Data

Table 2

Additional Variable Information for Criterion (M3) Variables

Character 1-2	Character	Description
M3		CV Criterion Data
	3	MOS Designation --- A-I = Batch A MOS Code X = Army Wide
	4	Type of Measure --- A = Administrative Measure H = Hands-On (HO) K = Job Knowledge (K5) P = Rating S = School Knowledge (K3)
	5-8	Variable Descriptor

ID

01/31/87

PROJECT A LRDB DOCUMENTATION

VERSION 3.1

FILE IDENTITY: SAS.M3A64CV3

DATA ORIGIN: LRDB Generated

VARIABLE NAME: ID

VARIABLE LABEL: LRDB ID

This is a scrambled ID generated by LRDB in order to preserved the privacy of the soldiers.

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XSTOTT

VARIABLE LABEL: K3: Total School Knowledge Score

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	35.16		
5TH PERCENTILE	42.97		
10TH PERCENTILE	48.31	MINIMUM	23.44
25TH PERCENTILE	56.25	MAXIMUM	84.38
MEDIAN	64.84	MODE	68.75
75TH PERCENTILE	71.09	MEAN	63.13
90TH PERCENTILE	75.16	STANDARD DEVIATION	10.65
95TH PERCENTILE	78.13		
99TH PERCENTILE	82.75		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3SCTP

VARIABLE LABEL: K3 Core Technical Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	29.08		
5TH PERCENTILE	40.00		
10TH PERCENTILE	44.00	MINIMUM	21.00
25TH PERCENTILE	51.00	MAXIMUM	76.00
MEDIAN	58.00	MODE	61.00
75TH PERCENTILE	63.00	MEAN	56.75
90TH PERCENTILE	67.00	STANDARD DEVIATION	9.16
95TH PERCENTILE	70.00		
99TH PERCENTILE	73.18		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKTOTT

VARIABLE LABEL: K5 AVG % For All Tasks (64C)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	33.95		
5TH PERCENTILE	43.35		
10TH PERCENTILE	46.70	MINIMUM	27.19
25TH PERCENTILE	53.44	MAXIMUM	80.84
MEDIAN	60.48	MODE	61.68
75TH PERCENTILE	66.46	MEAN	59.58
90TH PERCENTILE	71.86	STANDARD DEVIATION	9.43
95TH PERCENTILE	74.13		
99TH PERCENTILE	78.03		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3SGSP

VARIABLE LABEL: K3 Gen Soldier Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	10.00		
5TH PERCENTILE	14.00		
10TH PERCENTILE	16.00	MINIMUM	5.20
25TH PERCENTILE	20.40	MAXIMUM	38.00
MEDIAN	25.00	MODE	28.00
75TH PERCENTILE	28.00	MEAN	24.06
90TH PERCENTILE	30.52	STANDARD DEVIATION	5.53
95TH PERCENTILE	32.00		
99TH PERCENTILE	34.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CSCL01

VARIABLE LABEL: K3 64C: CL 01 First Aid

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	4.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	2.00	MEAN	1.97
90TH PERCENTILE	3.00	STANDARD DEVIATION	0.81
95TH PERCENTILE	3.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	501
NUMBER OF CASES WITH MISSING VALUES	6
PERCENT OF CASES WITH MISSING VALUES	1.18

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CSCL02

VARIABLE LABEL: K3 64C: CL 02 Navigate

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	1.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.00	MINIMUM	0.00
25TH PERCENTILE	5.00	MAXIMUM	10.00
MEDIAN	6.00	MODE	7.00
75TH PERCENTILE	8.00	MEAN	6.19
90TH PERCENTILE	9.00	STANDARD DEVIATION	2.00
95TH PERCENTILE	9.00		
99TH PERCENTILE	10.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	501
NUMBER OF CASES WITH MISSING VALUES	6
PERCENT OF CASES WITH MISSING VALUES	1.18

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CSCL03

VARIABLE LABEL: K3 64C: CL 03 NBC

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	3.00	MINIMUM	0.00
25TH PERCENTILE	3.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	6.00	MEAN	4.56
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.46
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	501
NUMBER OF CASES WITH MISSING VALUES	6
PERCENT OF CASES WITH MISSING VALUES	1.18

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CSCL04

VARIABLE LABEL: K3 64C: CL 04 Weapons

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.28		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	5.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	1.97
90TH PERCENTILE	3.00	STANDARD DEVIATION	1.04
95TH PERCENTILE	4.00		
99TH PERCENTILE	5.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	501
NUMBER OF CASES WITH MISSING VALUES	6
PERCENT OF CASES WITH MISSING VALUES	1.18

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CSCL05

VARIABLE LABEL: K3 64C: CL 05 Field Techniques

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.28		
10TH PERCENTILE	4.00	MINIMUM	1.00
25TH PERCENTILE	6.00	MAXIMUM	12.00
MEDIAN	7.00	MODE	8.00
75TH PERCENTILE	9.00	MEAN	7.22
90TH PERCENTILE	10.00	STANDARD DEVIATION	2.11
95TH PERCENTILE	10.00		
99TH PERCENTILE	11.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	501
NUMBER OF CASES WITH MISSING VALUES	6
PERCENT OF CASES WITH MISSING VALUES	1.18

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CSCL06

VARIABLE LABEL: K3 64C: CL 06 Communication

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	1.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	1.00	MEAN	0.91
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.28
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	501
NUMBER OF CASES WITH MISSING VALUES	6
PERCENT OF CASES WITH MISSING VALUES	1.18

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CSCL08

VARIABLE LABEL: K3 64C: CL 08 Custom And Law

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	1.00
MEDIAN	0.00	MODE	0.00
75TH PERCENTILE	1.00	MEAN	0.49
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.50
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	501
NUMBER OF CASES WITH MISSING VALUES	6
PERCENT OF CASES WITH MISSING VALUES	1.18

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CSCL09

VARIABLE LABEL: K3 64C: CL 09 Antitank/Antiair

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.50	MAXIMUM	1.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	1.00	MEAN	0.75
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.43
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	501
NUMBER OF CASES WITH MISSING VALUES	6
PERCENT OF CASES WITH MISSING VALUES	1.18

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CSCL11

VARIABLE LABEL: K3 64C: CL 11 Drive (Op/Maint)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	26.02		
5TH PERCENTILE	36.00		
10TH PERCENTILE	40.00	MINIMUM	20.00
25TH PERCENTILE	46.00	MAXIMUM	68.00
MEDIAN	52.00	MODE	56.00
75TH PERCENTILE	57.00	MEAN	50.88
90TH PERCENTILE	61.00	STANDARD DEVIATION	8.29
95TH PERCENTILE	63.00		
99TH PERCENTILE	65.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	501
NUMBER OF CASES WITH MISSING VALUES	6
PERCENT OF CASES WITH MISSING VALUES	1.18

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CSCL16

VARIABLE LABEL: K3 64C: CL 16 Preventive Maintenance

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.00	MINIMUM	0.00
25TH PERCENTILE	3.00	MAXIMUM	4.00
MEDIAN	4.00	MODE	4.00
75TH PERCENTILE	4.00	MEAN	3.31
90TH PERCENTILE	4.00	STANDARD DEVIATION	0.84
95TH PERCENTILE	4.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	501
NUMBER OF CASES WITH MISSING VALUES	6
PERCENT OF CASES WITH MISSING VALUES	1.18

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CSCL27

VARIABLE LABEL: K3 64C: CL 27 Vehicle Op And Recovery

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	5.00
MEDIAN	3.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	2.56
90TH PERCENTILE	4.00	STANDARD DEVIATION	1.19
95TH PERCENTILE	4.00		
99TH PERCENTILE	5.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	501
NUMBER OF CASES WITH MISSING VALUES	6
PERCENT OF CASES WITH MISSING VALUES	1.18

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKH5PC

VARIABLE LABEL: K5 % CORR: Oper Tractor and Semi

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	25.00		
10TH PERCENTILE	25.00	MINIMUM	0.00
25TH PERCENTILE	50.00	MAXIMUM	100.00
MEDIAN	50.00	MODE	50.00
75TH PERCENTILE	50.00	MEAN	51.45
90TH PERCENTILE	75.00	STANDARD DEVIATION	20.58
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKH6PC

VARIABLE LABEL: K5 % CORR: Oper Vehicle off Road

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	16.66		
5TH PERCENTILE	33.33		
10TH PERCENTILE	50.00	MINIMUM	0.00
25TH PERCENTILE	66.66	MAXIMUM	100.00
MEDIAN	66.66	MODE	66.66
75TH PERCENTILE	83.33	MEAN	68.25
90TH PERCENTILE	83.33	STANDARD DEVIATION	16.44
95TH PERCENTILE	83.33		
99TH PERCENTILE	83.33		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKH7PC

VARIABLE LABEL: K5 % CORR: Oper Vehicle in Snow/Ice

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	20.00		
10TH PERCENTILE	20.00	MINIMUM	0.00
25TH PERCENTILE	40.00	MAXIMUM	100.00
MEDIAN	60.00	MODE	60.00
75TH PERCENTILE	60.00	MEAN	50.19
90TH PERCENTILE	80.00	STANDARD DEVIATION	21.41
95TH PERCENTILE	80.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKH8PC

VARIABLE LABEL: K5 % CORR: Transport General Cargo

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	0.00		
5TH PERCENTILE	14.29		
10TH PERCENTILE	28.57	MINIMUM	0.00
25TH PERCENTILE	28.57	MAXIMUM	85.71
MEDIAN	42.86	MODE	57.14
75TH PERCENTILE	57.14	MEAN	47.70
90TH PERCENTILE	71.43	STANDARD DEVIATION	19.38
95TH PERCENTILE	71.43		
99TH PERCENTILE	85.71		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKH9PC

VARIABLE LABEL: K5 % CORR: Drive under Blackout

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	12.50		
10TH PERCENTILE	12.50	MINIMUM	0.00
25TH PERCENTILE	37.50	MAXIMUM	100.00
MEDIAN	50.00	MODE	50.00
75TH PERCENTILE	62.50	MEAN	49.11
90TH PERCENTILE	75.00	STANDARD DEVIATION	22.11
95TH PERCENTILE	87.50		
99TH PERCENTILE	99.37		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKI1PC

VARIABLE LABEL: K5 % CORR: Use Defense Proc-Ambushed

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	16.66		
10TH PERCENTILE	33.33	MINIMUM	0.00
25TH PERCENTILE	66.66	MAXIMUM	100.00
MEDIAN	83.33	MODE	100.00
75TH PERCENTILE	100.00	MEAN	73.63
90TH PERCENTILE	100.00	STANDARD DEVIATION	26.64
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKK1PC

VARIABLE LABEL: K5 % CORR: Fill out SF91

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	12.50		
10TH PERCENTILE	25.00	MINIMUM	0.00
25TH PERCENTILE	37.50	MAXIMUM	100.00
MEDIAN	62.50	MODE	62.50
75TH PERCENTILE	75.00	MEAN	58.82
90TH PERCENTILE	87.50	STANDARD DEVIATION	23.97
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKL1PC

VARIABLE LABEL: K5 % CORR: Veh emergency/Rec Proc

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	7.50	MINIMUM	0.00
25TH PERCENTILE	20.00	MAXIMUM	100.00
MEDIAN	40.00	MODE	40.00
75TH PERCENTILE	60.00	MEAN	38.49
90TH PERCENTILE	60.00	STANDARD DEVIATION	22.97
95TH PERCENTILE	80.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKA1PC

VARIABLE LABEL: K5 % CORR: Adm First Aid-NA Casualty

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	1.00		
5TH PERCENTILE	40.00		
10TH PERCENTILE	60.00	MINIMUM	0.00
25TH PERCENTILE	80.00	MAXIMUM	100.00
MEDIAN	80.00	MODE	80.00
75TH PERCENTILE	100.00	MEAN	81.20
90TH PERCENTILE	100.00	STANDARD DEVIATION	19.28
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKA2PC

VARIABLE LABEL: K5 % CORR: Perform CPR

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	33.33		
10TH PERCENTILE	33.33	MINIMUM	0.00
25TH PERCENTILE	33.33	MAXIMUM	100.00
MEDIAN	66.66	MODE	66.66
75TH PERCENTILE	100.00	MEAN	63.36
90TH PERCENTILE	100.00	STANDARD DEVIATION	27.79
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKA3PC

VARIABLE LABEL: K5 x CORR: Adm Nerve Agent antidote-Self

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	12.50		
5TH PERCENTILE	37.50		
10TH PERCENTILE	37.50	MINIMUM	0.00
25TH PERCENTILE	50.00	MAXIMUM	100.00
MEDIAN	62.50	MODE	62.50
75TH PERCENTILE	75.00	MEAN	63.60
90TH PERCENTILE	87.50	STANDARD DEVIATION	16.92
95TH PERCENTILE	87.50		
99TH PERCENTILE	87.50		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKA4PC

VARIABLE LABEL: K5 % CORR: Put on Field/Press Dressing

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	18.18		
5TH PERCENTILE	27.27		
10TH PERCENTILE	36.36	MINIMUM	18.18
25TH PERCENTILE	45.45	MAXIMUM	90.91
MEDIAN	54.54	MODE	54.54
75TH PERCENTILE	63.63	MEAN	56.10
90TH PERCENTILE	72.73	STANDARD DEVIATION	14.78
95TH PERCENTILE	81.82		
99TH PERCENTILE	90.45		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKB3PC

VARIABLE LABEL: K5 % CORR: Load/Clear M16A1

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	14.29		
5TH PERCENTILE	42.86		
10TH PERCENTILE	42.86	MINIMUM	14.29
25TH PERCENTILE	57.14	MAXIMUM	100.00
MEDIAN	71.43	MODE	71.43
75TH PERCENTILE	85.71	MEAN	72.34
90TH PERCENTILE	100.00	STANDARD DEVIATION	18.93
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKB4PC

VARIABLE LABEL: K5 % CORR: Oper Maint M16A1

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	25.00		
10TH PERCENTILE	50.00	MINIMUM	0.00
25TH PERCENTILE	50.00	MAXIMUM	100.00
MEDIAN	75.00	MODE	75.00
75TH PERCENTILE	100.00	MEAN	72.76
90TH PERCENTILE	100.00	STANDARD DEVIATION	24.22
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKB5PC

VARIABLE LABEL: K5 x CORR: Load/Clear M60

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.24		
5TH PERCENTILE	14.29		
10TH PERCENTILE	14.29	MINIMUM	0.00
25TH PERCENTILE	28.57	MAXIMUM	100.00
MEDIAN	42.86	MODE	42.86
75TH PERCENTILE	57.14	MEAN	46.11
90TH PERCENTILE	71.43	STANDARD DEVIATION	20.14
95TH PERCENTILE	85.71		
99TH PERCENTILE	99.28		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKC2PC

VARIABLE LABEL: K5 % CORR: Det Grid Coordinates

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	20.00	MINIMUM	0.00
25TH PERCENTILE	40.00	MAXIMUM	100.00
MEDIAN	60.00	MODE	100.00
75TH PERCENTILE	80.00	MEAN	58.31
90TH PERCENTILE	100.00	STANDARD DEVIATION	32.54
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKC3PC

VARIABLE LABEL: K5 % CORR: Measure Distance on Map

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	100.00
MEDIAN	0.00	MODE	0.00
75TH PERCENTILE	50.00	MEAN	29.41
90TH PERCENTILE	100.00	STANDARD DEVIATION	33.65
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKD1PC

VARIABLE LABEL: K5 % CORR: Put on M17 Mask

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.83		
5TH PERCENTILE	33.33		
10TH PERCENTILE	33.33	MINIMUM	0.00
25TH PERCENTILE	50.00	MAXIMUM	100.00
MEDIAN	66.66	MODE	100.00
75TH PERCENTILE	83.33	MEAN	70.69
90TH PERCENTILE	100.00	STANDARD DEVIATION	24.18
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKD3PC

VARIABLE LABEL: K5 % CORR: Put on Protective Clothing

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	40.00		
10TH PERCENTILE	40.00	MINIMUM	0.00
25TH PERCENTILE	60.00	MAXIMUM	100.00
MEDIAN	100.00	MODE	100.00
75TH PERCENTILE	100.00	MEAN	81.41
90TH PERCENTILE	100.00	STANDARD DEVIATION	24.76
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKD4PC

VARIABLE LABEL: K5 % CORR: Decontaminate Skin

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	16.66		
5TH PERCENTILE	33.33		
10TH PERCENTILE	50.00	MINIMUM	0.00
25TH PERCENTILE	66.66	MAXIMUM	100.00
MEDIAN	83.33	MODE	100.00
75TH PERCENTILE	100.00	MEAN	79.69
90TH PERCENTILE	100.00	STANDARD DEVIATION	22.42
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKD5PC

VARIABLE LABEL: K5 % CORR: Dec Equip-ABC M11

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	25.00	MINIMUM	0.00
25TH PERCENTILE	50.00	MAXIMUM	100.00
MEDIAN	50.00	MODE	50.00
75TH PERCENTILE	50.00	MEAN	56.30
90TH PERCENTILE	100.00	STANDARD DEVIATION	27.77
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKD6PC

VARIABLE LABEL: K5 % CORR: Use M8 Detector Paper

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	1.25		
5TH PERCENTILE	25.00		
10TH PERCENTILE	25.00	MINIMUM	0.00
25TH PERCENTILE	50.00	MAXIMUM	100.00
MEDIAN	50.00	MODE	50.00
75TH PERCENTILE	75.00	MEAN	59.10
90TH PERCENTILE	75.00	STANDARD DEVIATION	21.94
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKE1PC

VARIABLE LABEL: K5 x CORR: Coll/Rep Info-SALUTE

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	16.66		
10TH PERCENTILE	16.66	MINIMUM	0.00
25TH PERCENTILE	50.00	MAXIMUM	100.00
MEDIAN	83.33	MODE	100.00
75TH PERCENTILE	100.00	MEAN	71.65
90TH PERCENTILE	100.00	STANDARD DEVIATION	30.74
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKG4PC

VARIABLE LABEL: K5 % CORR: Camouflage Equip

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	20.00		
10TH PERCENTILE	20.00	MINIMUM	0.00
25TH PERCENTILE	40.00	MAXIMUM	100.00
MEDIAN	60.00	MODE	60.00
75TH PERCENTILE	60.00	MEAN	55.03
90TH PERCENTILE	80.00	STANDARD DEVIATION	21.17
95TH PERCENTILE	80.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

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FILE IDENTITY: SAS.M3A64CV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKG5PC

VARIABLE LABEL: K5 x CORR: Use Challenge/Password

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	13.12		
5TH PERCENTILE	37.50		
10TH PERCENTILE	50.00	MINIMUM	0.00
25TH PERCENTILE	62.50	MAXIMUM	100.00
MEDIAN	75.00	MODE	75.00
75TH PERCENTILE	87.50	MEAN	72.43
90TH PERCENTILE	100.00	STANDARD DEVIATION	19.29
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKG6PC

VARIABLE LABEL: K5 % CORR: Id Threat Aircraft

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	12.50	MAXIMUM	100.00
MEDIAN	25.00	MODE	25.00
75TH PERCENTILE	37.50	MEAN	26.72
90TH PERCENTILE	50.00	STANDARD DEVIATION	17.44
95TH PERCENTILE	62.50		
99TH PERCENTILE	75.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKH1PC

VARIABLE LABEL: K5 x CORR: Perform PMCS

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	12.50		
5TH PERCENTILE	25.00		
10TH PERCENTILE	37.50	MINIMUM	0.00
25TH PERCENTILE	50.00	MAXIMUM	100.00
MEDIAN	62.50	MODE	62.50
75TH PERCENTILE	75.00	MEAN	61.04
90TH PERCENTILE	76.21	STANDARD DEVIATION	17.15
95TH PERCENTILE	87.50		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKH2PC

VARIABLE LABEL: K5 % CORR: Oper Vehicle in Convoy

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	25.00		
10TH PERCENTILE	25.00	MINIMUM	0.00
25TH PERCENTILE	37.50	MAXIMUM	100.00
MEDIAN	50.00	MODE	62.50
75TH PERCENTILE	62.50	MEAN	54.00
90TH PERCENTILE	75.00	STANDARD DEVIATION	19.84
95TH PERCENTILE	87.50		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKCL01

VARIABLE LABEL: K5 64C: CL 01 First Aid

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	9.00		
5TH PERCENTILE	12.00		
10TH PERCENTILE	13.00	MINIMUM	6.00
25TH PERCENTILE	15.00	MAXIMUM	25.00
MEDIAN	17.29	MODE	17.00
75TH PERCENTILE	19.00	MEAN	17.22
90TH PERCENTILE	21.00	STANDARD DEVIATION	3.01
95TH PERCENTILE	21.00		
99TH PERCENTILE	23.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

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FILE IDENTITY: SAS.M3A64CV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKCL02

VARIABLE LABEL: K5 64C: CL 02 Navigate

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	7.00
MEDIAN	3.00	MODE	2.00
75TH PERCENTILE	5.00	MEAN	3.50
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.81
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKCL03

VARIABLE LABEL: K5 64C: CL 03 NBC

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.05		
5TH PERCENTILE	10.00		
10TH PERCENTILE	12.00	MINIMUM	3.00
25TH PERCENTILE	15.00	MAXIMUM	23.00
MEDIAN	17.00	MODE	18.00
75TH PERCENTILE	19.00	MEAN	16.58
90TH PERCENTILE	20.62	STANDARD DEVIATION	3.41
95TH PERCENTILE	21.00		
99TH PERCENTILE	22.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKCL04

VARIABLE LABEL: K5 64C: CL 04 Weapons

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.02		
5TH PERCENTILE	6.27		
10TH PERCENTILE	8.00	MINIMUM	4.00
25TH PERCENTILE	10.00	MAXIMUM	18.00
MEDIAN	11.00	MODE	12.00
75TH PERCENTILE	13.00	MEAN	11.20
90TH PERCENTILE	14.00	STANDARD DEVIATION	2.53
95TH PERCENTILE	15.00		
99TH PERCENTILE	16.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKCL05

VARIABLE LABEL: K5 64C: CL 05 Field Techniques

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.12	MINIMUM	0.00
25TH PERCENTILE	6.00	MAXIMUM	11.00
MEDIAN	8.00	MODE	8.00
75TH PERCENTILE	9.00	MEAN	7.05
90TH PERCENTILE	10.00	STANDARD DEVIATION	2.30
95TH PERCENTILE	10.00		
99TH PERCENTILE	11.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKCL07

VARIABLE LABEL: K5 64C: CL 07 ID Target

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	8.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	2.14
90TH PERCENTILE	4.00	STANDARD DEVIATION	1.40
95TH PERCENTILE	5.00		
99TH PERCENTILE	6.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKCL08

VARIABLE LABEL: K5 64C: CL 08 Custom And Law

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.05		
5TH PERCENTILE	3.00		
10TH PERCENTILE	4.00	MINIMUM	0.00
25TH PERCENTILE	5.00	MAXIMUM	8.00
MEDIAN	6.00	MODE	6.00
75TH PERCENTILE	7.00	MEAN	5.79
90TH PERCENTILE	8.00	STANDARD DEVIATION	1.54
95TH PERCENTILE	8.00		
99TH PERCENTILE	8.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CKCL11

VARIABLE LABEL: K5 64C: CL 11 Drive (Op/Maint)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	15.05		
5TH PERCENTILE	21.50		
10TH PERCENTILE	26.00	MINIMUM	13.00
25TH PERCENTILE	31.00	MAXIMUM	52.00
MEDIAN	37.00	MODE	40.00
75TH PERCENTILE	42.00	MEAN	36.18
90TH PERCENTILE	45.00	STANDARD DEVIATION	7.51
95TH PERCENTILE	47.00		
99TH PERCENTILE	51.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3KGSP

VARIABLE LABEL: K5 Gen Soldier Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	36.31		
5TH PERCENTILE	46.00		
10TH PERCENTILE	50.00	MINIMUM	33.87
25TH PERCENTILE	56.00	MAXIMUM	88.00
MEDIAN	64.00	MODE	61.00
75TH PERCENTILE	71.00	MEAN	63.41
90TH PERCENTILE	76.07	STANDARD DEVIATION	10.24
95TH PERCENTILE	79.00		
99TH PERCENTILE	84.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3KCTP

VARIABLE LABEL: K5 Core Tech Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	15.00		
5TH PERCENTILE	21.13		
10TH PERCENTILE	25.85	MINIMUM	11.53
25TH PERCENTILE	31.00	MAXIMUM	52.00
MEDIAN	37.00	MODE	40.00
75TH PERCENTILE	42.00	MEAN	36.09
90TH PERCENTILE	45.00	STANDARD DEVIATION	7.59
95TH PERCENTILE	47.00		
99TH PERCENTILE	51.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHTOTT

VARIABLE LABEL: AVG HO % GO For All Tasks

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	49.87		
5TH PERCENTILE	58.63		
10TH PERCENTILE	62.09	MINIMUM	42.99
25TH PERCENTILE	66.82	MAXIMUM	89.25
MEDIAN	72.48	MODE	63.84
75TH PERCENTILE	76.69	MEAN	71.64
90TH PERCENTILE	80.92	STANDARD DEVIATION	7.56
95TH PERCENTILE	83.30		
99TH PERCENTILE	86.73		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CHD5PG

VARIABLE LABEL: HO % GO: D5-Decontaminate Equip ABC-M11

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	6.24		
5TH PERCENTILE	52.86		
10TH PERCENTILE	60.69	MINIMUM	0.00
25TH PERCENTILE	73.00	MAXIMUM	100.00
MEDIAN	81.88	MODE	91.35
75TH PERCENTILE	91.35	MEAN	80.10
90TH PERCENTILE	100.00	STANDARD DEVIATION	17.19
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CHD6PG

VARIABLE LABEL: HO x GO: D6-Id Chem Agent M8 Paper

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	17.23		
5TH PERCENTILE	46.62		
10TH PERCENTILE	60.63	MINIMUM	0.00
25TH PERCENTILE	81.59	MAXIMUM	100.00
MEDIAN	93.40	MODE	100.00
75TH PERCENTILE	100.00	MEAN	86.48
90TH PERCENTILE	100.00	STANDARD DEVIATION	18.59
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CHH3PG

VARIABLE LABEL: HO % GO: H3-Couple Semitrailer

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	25.56		
5TH PERCENTILE	54.43		
10TH PERCENTILE	64.67	MINIMUM	6.61
25TH PERCENTILE	77.57	MAXIMUM	100.00
MEDIAN	87.67	MODE	100.00
75TH PERCENTILE	94.96	MEAN	83.97
90TH PERCENTILE	98.46	STANDARD DEVIATION	15.05
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CHH4PG

VARIABLE LABEL: HO % GO: H4-Uncouple Semitrailer

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	27.93		
5TH PERCENTILE	55.63		
10TH PERCENTILE	65.96	MINIMUM	0.00
25TH PERCENTILE	77.67	MAXIMUM	100.00
MEDIAN	89.79	MODE	100.00
75TH PERCENTILE	97.36	MEAN	85.50
90TH PERCENTILE	100.00	STANDARD DEVIATION	15.37
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CHH5PG

VARIABLE LABEL: HO x GO: H5-Operate Tractor/Semitrailer

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	8.21		
5TH PERCENTILE	32.72		
10TH PERCENTILE	41.72	MINIMUM	0.00
25TH PERCENTILE	58.63	MAXIMUM	100.00
MEDIAN	75.16	MODE	79.10
75TH PERCENTILE	79.10	MEAN	68.20
90TH PERCENTILE	83.98	STANDARD DEVIATION	18.18
95TH PERCENTILE	91.68		
99TH PERCENTILE	98.12		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHA1PG

VARIABLE LABEL: HO x GO: A1-First Aid/Nerve Agent

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	29.07		
10TH PERCENTILE	36.33	MINIMUM	0.00
25TH PERCENTILE	61.41	MAXIMUM	100.00
MEDIAN	78.54	MODE	100.00
75TH PERCENTILE	94.33	MEAN	73.34
90TH PERCENTILE	99.45	STANDARD DEVIATION	24.04
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHA2PG

VARIABLE LABEL: HO % GO: A2-Perform CPR on Adult One Man

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	3.67	MINIMUM	0.00
25TH PERCENTILE	14.91	MAXIMUM	100.00
MEDIAN	32.17	MODE	0.00
75TH PERCENTILE	56.86	MEAN	38.01
90TH PERCENTILE	84.10	STANDARD DEVIATION	29.28
95TH PERCENTILE	98.83		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3A64CV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHA3PG

VARIABLE LABEL: HO % GO: A3-Administer Nerve Agent Antid

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	17.73		
5TH PERCENTILE	47.76		
10TH PERCENTILE	63.36	MINIMUM	6.33
25TH PERCENTILE	76.94	MAXIMUM	100.00
MEDIAN	89.59	MODE	93.21
75TH PERCENTILE	93.21	MEAN	83.59
90TH PERCENTILE	100.00	STANDARD DEVIATION	16.80
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3A64CV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHA4PG

VARIABLE LABEL: HO % GO: A4-Put on Field/Pres. Dressing

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	10.99		
5TH PERCENTILE	40.23		
10TH PERCENTILE	49.66	MINIMUM	0.00
25TH PERCENTILE	68.88	MAXIMUM	100.00
MEDIAN	84.27	MODE	85.38
75TH PERCENTILE	89.40	MEAN	77.44
90TH PERCENTILE	96.24	STANDARD DEVIATION	18.78
95TH PERCENTILE	99.75		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHB3PG

VARIABLE LABEL: HO x GO: B3-Load,Clear M16A1 Rifle

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	27.81		
5TH PERCENTILE	50.77		
10TH PERCENTILE	61.93	MINIMUM	18.97
25TH PERCENTILE	77.58	MAXIMUM	100.00
MEDIAN	89.41	MODE	100.00
75TH PERCENTILE	97.21	MEAN	85.63
90TH PERCENTILE	100.00	STANDARD DEVIATION	16.11
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHB4PG

VARIABLE LABEL: HO x GO: B4-Perform Oper M16A1 Rifle

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	36.67		
5TH PERCENTILE	54.23		
10TH PERCENTILE	60.27	MINIMUM	8.61
25TH PERCENTILE	72.90	MAXIMUM	100.00
MEDIAN	85.51	MODE	97.27
75TH PERCENTILE	95.70	MEAN	82.73
90TH PERCENTILE	98.47	STANDARD DEVIATION	15.06
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3A64CV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHB5PG

VARIABLE LABEL: HO % GO: B5-Load/Clear M60

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	16.89	MAXIMUM	100.00
MEDIAN	39.65	MODE	0.00
75TH PERCENTILE	63.09	MEAN	39.81
90TH PERCENTILE	80.79	STANDARD DEVIATION	29.19
95TH PERCENTILE	88.71		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHC2PG

VARIABLE LABEL: HO % GO: C2-Determine Grid Coordinates

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	6.10		
10TH PERCENTILE	17.29	MINIMUM	0.00
25TH PERCENTILE	49.60	MAXIMUM	100.00
MEDIAN	73.02	MODE	100.00
75TH PERCENTILE	86.79	MEAN	65.13
90TH PERCENTILE	99.11	STANDARD DEVIATION	27.96
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHC3PG

VARIABLE LABEL: HO % GO: C3-Measure Distance on Map

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	12.27	MAXIMUM	100.00
MEDIAN	38.42	MODE	0.00
75TH PERCENTILE	63.22	MEAN	42.69
90TH PERCENTILE	95.19	STANDARD DEVIATION	33.52
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHD1PG

VARIABLE LABEL: HO x GO: D1-Put on M17 Mask

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	31.18		
5TH PERCENTILE	57.82		
10TH PERCENTILE	70.57	MINIMUM	3.67
25TH PERCENTILE	84.66	MAXIMUM	100.00
MEDIAN	97.30	MODE	97.30
75TH PERCENTILE	98.36	MEAN	89.79
90TH PERCENTILE	100.00	STANDARD DEVIATION	14.47
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHD3PG

VARIABLE LABEL: HO % GO: D3-Put on Protective Clothing

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	20.07		
5TH PERCENTILE	36.60		
10TH PERCENTILE	47.41	MINIMUM	0.00
25TH PERCENTILE	67.54	MAXIMUM	100.00
MEDIAN	81.67	MODE	100.00
75TH PERCENTILE	91.17	MEAN	77.04
90TH PERCENTILE	96.59	STANDARD DEVIATION	19.42
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CHCL01

VARIABLE LABEL: HO 64C: CL 01 First Aid

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	17.78		
5TH PERCENTILE	26.93		
10TH PERCENTILE	29.55	MINIMUM	6.68
25TH PERCENTILE	34.38	MAXIMUM	56.74
MEDIAN	38.00	MODE	39.63
75TH PERCENTILE	42.15	MEAN	37.93
90TH PERCENTILE	46.55	STANDARD DEVIATION	6.67
95TH PERCENTILE	48.37		
99TH PERCENTILE	53.07		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CHCL02

VARIABLE LABEL: HO 64C: CL 02 Navigate

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	-3.28		
5TH PERCENTILE	2.58		
10TH PERCENTILE	4.98	MINIMUM	-12.27
25TH PERCENTILE	9.86	MAXIMUM	32.75
MEDIAN	14.44	MODE	20.69
75TH PERCENTILE	19.80	MEAN	14.59
90TH PERCENTILE	24.24	STANDARD DEVIATION	7.32
95TH PERCENTILE	26.50		
99TH PERCENTILE	30.37		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CHCL03

VARIABLE LABEL: HO 64C: CL 03 NBC

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	26.73		
5TH PERCENTILE	35.63		
10TH PERCENTILE	38.96	MINIMUM	21.03
25TH PERCENTILE	43.26	MAXIMUM	56.21
MEDIAN	47.14	MODE	51.11
75TH PERCENTILE	50.20	MEAN	46.14
90TH PERCENTILE	51.88	STANDARD DEVIATION	5.52
95TH PERCENTILE	53.12		
99TH PERCENTILE	54.28		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CHCL04

VARIABLE LABEL: HO 64C: CL 04 Weapons

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	12.55		
5TH PERCENTILE	19.79		
10TH PERCENTILE	21.69	MINIMUM	7.39
25TH PERCENTILE	25.14	MAXIMUM	44.46
MEDIAN	28.93	MODE	29.48
75TH PERCENTILE	33.19	MEAN	28.87
90TH PERCENTILE	36.10	STANDARD DEVIATION	5.73
95TH PERCENTILE	37.82		
99TH PERCENTILE	40.95		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3CHCL11

VARIABLE LABEL: HO 64C: CL 11 Drive (Op/Maint)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	12.45		
5TH PERCENTILE	26.65		
10TH PERCENTILE	28.96	MINIMUM	-0.59
25TH PERCENTILE	31.79	MAXIMUM	42.19
MEDIAN	33.63	MODE	33.63
75TH PERCENTILE	35.84	MEAN	33.21
90TH PERCENTILE	37.45	STANDARD DEVIATION	4.35
95TH PERCENTILE	38.52		
99TH PERCENTILE	40.57		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3HGSP

VARIABLE LABEL: HO Gen Soldier Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	85.86		
5TH PERCENTILE	99.84		
10TH PERCENTILE	107.05	MINIMUM	76.33
25TH PERCENTILE	115.93	MAXIMUM	162.11
MEDIAN	128.51	MODE	113.72
75TH PERCENTILE	138.29	MEAN	127.26
90TH PERCENTILE	146.46	STANDARD DEVIATION	15.64
95TH PERCENTILE	152.61		
99TH PERCENTILE	158.88		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3HCTP

VARIABLE LABEL: HO Core Technical Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	12.84		
5TH PERCENTILE	26.56		
10TH PERCENTILE	28.92	MINIMUM	-0.59
25TH PERCENTILE	31.79	MAXIMUM	42.19
MEDIAN	33.63	MODE	35.05
75TH PERCENTILE	35.73	MEAN	33.21
90TH PERCENTILE	37.38	STANDARD DEVIATION	4.30
95TH PERCENTILE	38.37		
99TH PERCENTILE	40.52		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP01

VARIABLE LABEL: AWB A:Tech Skill <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.41		
5TH PERCENTILE	3.08		
10TH PERCENTILE	3.67	MINIMUM	1.60
25TH PERCENTILE	4.25	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.84
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.90
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.65		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP02

VARIABLE LABEL: AWB B:Effort <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.75		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	3.75	MAXIMUM	7.00
MEDIAN	4.45	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.38
90TH PERCENTILE	5.60	STANDARD DEVIATION	0.96
95TH PERCENTILE	5.79		
99TH PERCENTILE	6.25		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP03

VARIABLE LABEL: AWB C:Following Regs <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.63		
10TH PERCENTILE	3.00	MINIMUM	1.02
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.57	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.49
90TH PERCENTILE	5.75	STANDARD DEVIATION	1.00
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.54		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3A64CV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP04

VARIABLE LABEL: AWB D:Integrity <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.33	MINIMUM	1.07
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.50	MODE	5.00
75TH PERCENTILE	5.25	MEAN	4.51
90TH PERCENTILE	5.75	STANDARD DEVIATION	0.96
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.33		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP05

VARIABLE LABEL: AWB E:Leadership <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.75		
5TH PERCENTILE	2.33		
10TH PERCENTILE	2.67	MINIMUM	1.00
25TH PERCENTILE	3.25	MAXIMUM	7.00
MEDIAN	4.00	MODE	4.00
75TH PERCENTILE	4.75	MEAN	4.05
90TH PERCENTILE	5.25	STANDARD DEVIATION	1.03
95TH PERCENTILE	5.67		
99TH PERCENTILE	6.50		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP06

VARIABLE LABEL: AWB F:Maintain Equip <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.28		
5TH PERCENTILE	3.20		
10TH PERCENTILE	3.67	MINIMUM	2.00
25TH PERCENTILE	4.33	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.90
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.94
95TH PERCENTILE	6.35		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP07

VARIABLE LABEL: AWB G:Military Appear <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.84		
10TH PERCENTILE	3.25	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.75	MODE	5.00
75TH PERCENTILE	5.40	MEAN	4.69
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.06
95TH PERCENTILE	6.25		
99TH PERCENTILE	6.80		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP08

VARIABLE LABEL: AWB H:Phys Fitness <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.51		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	0.91
25TH PERCENTILE	4.25	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.40	MEAN	4.75
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.99
95TH PERCENTILE	6.25		
99TH PERCENTILE	6.80		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP09

VARIABLE LABEL: AWB I:Self Development <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.83		
5TH PERCENTILE	2.33		
10TH PERCENTILE	2.75	MINIMUM	1.00
25TH PERCENTILE	3.33	MAXIMUM	7.00
MEDIAN	4.00	MODE	4.00
75TH PERCENTILE	4.67	MEAN	3.99
90TH PERCENTILE	5.00	STANDARD DEVIATION	0.93
95TH PERCENTILE	5.50		
99TH PERCENTILE	6.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP10

VARIABLE LABEL: AWB J:Self Control <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.88		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.80	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.68
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.09
95TH PERCENTILE	6.20		
99TH PERCENTILE	6.75		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP11

VARIABLE LABEL: AWB:Overall Eff <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.26		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.60	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.58
90TH PERCENTILE	5.67	STANDARD DEVIATION	0.83
95TH PERCENTILE	5.97		
99TH PERCENTILE	6.33		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP12

VARIABLE LABEL: AWB:NCO Potential <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.55		
5TH PERCENTILE	2.22		
10TH PERCENTILE	2.75	MINIMUM	1.00
25TH PERCENTILE	3.50	MAXIMUM	6.60
MEDIAN	4.25	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.19
90TH PERCENTILE	5.60	STANDARD DEVIATION	1.09
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.25		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPPAWT

VARIABLE LABEL: AWB:Avg across Army-Wide BARS <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.76		
5TH PERCENTILE	3.25		
10TH PERCENTILE	3.52	MINIMUM	2.13
25TH PERCENTILE	4.10	MAXIMUM	6.70
MEDIAN	4.60	MODE	4.60
75TH PERCENTILE	5.02	MEAN	4.53
90TH PERCENTILE	5.47	STANDARD DEVIATION	0.71
95TH PERCENTILE	5.64		
99TH PERCENTILE	6.07		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS01

VARIABLE LABEL: AWB A:Tech Skill <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.79		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.50	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.57
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.11
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS02

VARIABLE LABEL: AWB B:Effort <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.50	MINIMUM	1.00
25TH PERCENTILE	3.20	MAXIMUM	7.00
MEDIAN	4.33	MODE	4.00
75TH PERCENTILE	5.00	MEAN	4.24
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.29
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS03

VARIABLE LABEL: AWB C:Following Regs <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.88	MINIMUM	1.00
25TH PERCENTILE	3.50	MAXIMUM	7.00
MEDIAN	4.50	MODE	4.00
75TH PERCENTILE	5.29	MEAN	4.36
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.30
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS04

VARIABLE LABEL: AWB D:Integrity <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.69		
5TH PERCENTILE	2.40		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	3.71	MAXIMUM	7.00
MEDIAN	4.50	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.44
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.20
95TH PERCENTILE	6.20		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS05

VARIABLE LABEL: AWB E:Leadership <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	1.50		
10TH PERCENTILE	2.00	MINIMUM	1.00
25TH PERCENTILE	2.50	MAXIMUM	7.00
MEDIAN	3.50	MODE	3.00
75TH PERCENTILE	4.50	MEAN	3.64
90TH PERCENTILE	5.50	STANDARD DEVIATION	1.36
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS06

VARIABLE LABEL: AWB F:Maintain Equip <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.50		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.73
90TH PERCENTILE	6.33	STANDARD DEVIATION	1.22
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS07

VARIABLE LABEL: AWB G:Military Appear <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.50	MINIMUM	1.00
25TH PERCENTILE	3.50	MAXIMUM	7.00
MEDIAN	4.50	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.52
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.33
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS08

VARIABLE LABEL: AWB H:Phys Fitness <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.50		
5TH PERCENTILE	2.80		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	6.00	MEAN	4.95
90TH PERCENTILE	6.50	STANDARD DEVIATION	1.28
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS09

VARIABLE LABEL: AWB I:Self Development <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.04		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.00	MINIMUM	1.00
25TH PERCENTILE	3.00	MAXIMUM	7.00
MEDIAN	3.88	MODE	3.00
75TH PERCENTILE	4.50	MEAN	3.81
90TH PERCENTILE	5.50	STANDARD DEVIATION	1.21
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.96		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS10

VARIABLE LABEL: AWB J:Self Control <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.64	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.61
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.33
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS11

VARIABLE LABEL: AWB:Overall Eff <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.50		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	3.50	MAXIMUM	7.00
MEDIAN	4.50	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.40
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.12
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS12

VARIABLE LABEL: AWB:NCO Potential <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	1.50		
10TH PERCENTILE	2.00	MINIMUM	1.00
25TH PERCENTILE	3.00	MAXIMUM	7.00
MEDIAN	4.00	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.09
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.47
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPSAWT

VARIABLE LABEL: AWB:Avg across Army-Wide BARS <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.91		
5TH PERCENTILE	2.80		
10TH PERCENTILE	3.15	MINIMUM	1.45
25TH PERCENTILE	3.80	MAXIMUM	7.00
MEDIAN	4.40	MODE	4.20
75TH PERCENTILE	5.10	MEAN	4.39
90TH PERCENTILE	5.60	STANDARD DEVIATION	0.96
95TH PERCENTILE	5.90		
99TH PERCENTILE	6.60		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3A64CV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC01

VARIABLE LABEL: AWB A:Tech Skill <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.51		
5TH PERCENTILE	3.30		
10TH PERCENTILE	3.67	MINIMUM	1.00
25TH PERCENTILE	4.29	MAXIMUM	7.00
MEDIAN	4.75	MODE	5.00
75TH PERCENTILE	5.33	MEAN	4.75
90TH PERCENTILE	5.76	STANDARD DEVIATION	0.84
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.50		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3A64CV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC02

VARIABLE LABEL: AWB B:Effort <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.17		
5TH PERCENTILE	2.83		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	3.71	MAXIMUM	7.00
MEDIAN	4.33	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.35
90TH PERCENTILE	5.50	STANDARD DEVIATION	0.93
95TH PERCENTILE	5.83		
99TH PERCENTILE	6.38		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC03

VARIABLE LABEL: AWB C:Following Regs <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.58		
10TH PERCENTILE	3.17	MINIMUM	1.67
25TH PERCENTILE	3.86	MAXIMUM	6.50
MEDIAN	4.60	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.46
90TH PERCENTILE	5.67	STANDARD DEVIATION	0.96
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.50		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3A64CV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC04

VARIABLE LABEL: AWB D:Integrity <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.38		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.40	MINIMUM	1.88
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.50	MODE	4.00
75TH PERCENTILE	5.17	MEAN	4.52
90TH PERCENTILE	5.67	STANDARD DEVIATION	0.86
95TH PERCENTILE	5.83		
99TH PERCENTILE	6.16		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC05

VARIABLE LABEL: AWB E:Leadership <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.61		
5TH PERCENTILE	2.30		
10TH PERCENTILE	2.67	MINIMUM	1.50
25TH PERCENTILE	3.17	MAXIMUM	7.00
MEDIAN	4.00	MODE	4.00
75TH PERCENTILE	4.50	MEAN	3.92
90TH PERCENTILE	5.20	STANDARD DEVIATION	0.99
95TH PERCENTILE	5.57		
99TH PERCENTILE	6.18		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3A64CV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC06

VARIABLE LABEL: AWB F:Maintain Equip <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.50		
5TH PERCENTILE	3.33		
10TH PERCENTILE	3.73	MINIMUM	1.67
25TH PERCENTILE	4.33	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.86
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.88
95TH PERCENTILE	6.23		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC07

VARIABLE LABEL: AWB G:Military Appear <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.80		
10TH PERCENTILE	3.19	MINIMUM	1.50
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.75	MODE	5.00
75TH PERCENTILE	5.40	MEAN	4.64
90TH PERCENTILE	5.91	STANDARD DEVIATION	1.04
95TH PERCENTILE	6.20		
99TH PERCENTILE	6.99		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3A64CV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC08

VARIABLE LABEL: AWB H:Phys Fitness <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.82		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	1.50
25TH PERCENTILE	4.33	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.43	MEAN	4.84
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.94
95TH PERCENTILE	6.31		
99TH PERCENTILE	6.66		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC09

VARIABLE LABEL: AWB I:Self Development <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.50		
10TH PERCENTILE	2.67	MINIMUM	1.00
25TH PERCENTILE	3.33	MAXIMUM	6.50
MEDIAN	4.00	MODE	4.00
75TH PERCENTILE	4.50	MEAN	3.91
90TH PERCENTILE	5.00	STANDARD DEVIATION	0.88
95TH PERCENTILE	5.40		
99TH PERCENTILE	6.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC10

VARIABLE LABEL: AWB J:Self Control <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.81		
10TH PERCENTILE	3.20	MINIMUM	1.50
25TH PERCENTILE	4.00	MAXIMUM	6.83
MEDIAN	4.75	MODE	5.00
75TH PERCENTILE	5.43	MEAN	4.66
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.01
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.50		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC11

VARIABLE LABEL: AWB:Overall Eff <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.51		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.37	MINIMUM	1.67
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.50	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.51
90TH PERCENTILE	5.50	STANDARD DEVIATION	0.81
95TH PERCENTILE	5.67		
99TH PERCENTILE	6.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC12

VARIABLE LABEL: AWB:NCO Potential <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.61		
5TH PERCENTILE	2.36		
10TH PERCENTILE	2.75	MINIMUM	1.50
25TH PERCENTILE	3.40	MAXIMUM	7.00
MEDIAN	4.25	MODE	4.00
75TH PERCENTILE	5.00	MEAN	4.17
90TH PERCENTILE	5.50	STANDARD DEVIATION	1.07
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.42		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

M3XPCAWT

01/31/87

PROJECT A LRDB DOCUMENTATION

VERSION 3.1

FILE IDENTITY: SAS.M3A64CV3

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPCAWT

VARIABLE LABEL: AWB:Avg across Army-Wide BARS <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.74		
5TH PERCENTILE	3.23	MINIMUM	2.37
10TH PERCENTILE	3.49	MAXIMUM	6.20
25TH PERCENTILE	4.03	MODE	4.60
MEDIAN	4.57	MEAN	4.49
75TH PERCENTILE	4.98	STANDARD DEVIATION	0.71
90TH PERCENTILE	5.42		
95TH PERCENTILE	5.65		
99TH PERCENTILE	5.93		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP01

VARIABLE LABEL: MOB 64C:Drive Vehicles <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.20		
10TH PERCENTILE	3.67	MINIMUM	2.00
25TH PERCENTILE	4.33	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.86
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.91
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP02

VARIABLE LABEL: MOB 64C:Vehicle Coupling <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	1.00
25TH PERCENTILE	4.25	MAXIMUM	7.00
MEDIAN	4.80	MODE	5.00
75TH PERCENTILE	5.33	MEAN	4.74
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.93
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP03

VARIABLE LABEL: MOB 64C:Check/Maintain Vehicles <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.32		
5TH PERCENTILE	3.26		
10TH PERCENTILE	3.67	MINIMUM	2.00
25TH PERCENTILE	4.25	MAXIMUM	7.00
MEDIAN	4.75	MODE	5.00
75TH PERCENTILE	5.33	MEAN	4.76
90TH PERCENTILE	5.79	STANDARD DEVIATION	0.85
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP04

VARIABLE LABEL: MOB 64C:Use Maps/Follow Routes <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.25	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.50	MODE	4.00
75TH PERCENTILE	5.00	MEAN	4.41
90TH PERCENTILE	5.50	STANDARD DEVIATION	0.91
95TH PERCENTILE	5.75		
99TH PERCENTILE	6.53		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP05

VARIABLE LABEL: MOB 64C:Load Cargo/Transport Pers.<Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.33		
10TH PERCENTILE	3.75	MINIMUM	1.00
25TH PERCENTILE	4.33	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.40	MEAN	4.81
90TH PERCENTILE	5.80	STANDARD DEVIATION	0.90
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP06

VARIABLE LABEL: MOB 64C:Park/Secure Vehicles <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.00		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.33	MINIMUM	1.00
25TH PERCENTILE	5.00	MAXIMUM	7.00
MEDIAN	5.50	MODE	6.00
75TH PERCENTILE	6.00	MEAN	5.37
90TH PERCENTILE	6.33	STANDARD DEVIATION	0.81
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP07

VARIABLE LABEL: MOB 64C:Perform Adm Duties <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.00		
5TH PERCENTILE	3.67		
10TH PERCENTILE	4.00	MINIMUM	2.00
25TH PERCENTILE	4.50	MAXIMUM	7.00
MEDIAN	5.20	MODE	5.00
75TH PERCENTILE	5.67	MEAN	5.09
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.83
95TH PERCENTILE	6.33		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP08

VARIABLE LABEL: MOB 64C:Self-Recover Vehicles <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.77		
10TH PERCENTILE	3.00	MINIMUM	1.33
25TH PERCENTILE	3.80	MAXIMUM	7.00
MEDIAN	4.50	MODE	4.00
75TH PERCENTILE	5.00	MEAN	4.41
90TH PERCENTILE	5.67	STANDARD DEVIATION	0.98
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP09

VARIABLE LABEL: MOB 64C:Safety-Mindedness <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.67	MINIMUM	1.00
25TH PERCENTILE	4.33	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.33	MEAN	4.79
90TH PERCENTILE	5.75	STANDARD DEVIATION	0.89
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP10

VARIABLE LABEL: MOB 64C:Perform dispatcher Duties <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.67		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	3.50	MAXIMUM	7.00
MEDIAN	4.00	MODE	4.00
75TH PERCENTILE	4.90	MEAN	4.21
90TH PERCENTILE	5.50	STANDARD DEVIATION	0.98
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.68		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

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FILE IDENTITY: SAS.M3A64CV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP99

VARIABLE LABEL: MOB 64C:Overall Job Performance <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.91		
5TH PERCENTILE	3.41		
10TH PERCENTILE	4.00	MINIMUM	2.00
25TH PERCENTILE	4.60	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	5.05
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.84
95TH PERCENTILE	6.32		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPPMOT

VARIABLE LABEL: MOB:Avg across MOS BARS <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.88		
5TH PERCENTILE	3.66		
10TH PERCENTILE	3.90	MINIMUM	2.49
25TH PERCENTILE	4.32	MAXIMUM	6.90
MEDIAN	4.77	MODE	4.30
75TH PERCENTILE	5.18	MEAN	4.75
90TH PERCENTILE	5.53	STANDARD DEVIATION	0.67
95TH PERCENTILE	5.77		
99TH PERCENTILE	6.45		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	481
NUMBER OF CASES WITH MISSING VALUES	26
PERCENT OF CASES WITH MISSING VALUES	5.13

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS01

VARIABLE LABEL: MOB 64C:Drive Vehicles <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	6.00	MEAN	4.99
90TH PERCENTILE	6.33	STANDARD DEVIATION	1.13
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	459
NUMBER OF CASES WITH MISSING VALUES	48
PERCENT OF CASES WITH MISSING VALUES	9.47

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS02

VARIABLE LABEL: MOB 64C:Vehicle Coupling <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.57		
10TH PERCENTILE	3.00	MINIMUM	1.51
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.70
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.15
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	459
NUMBER OF CASES WITH MISSING VALUES	48
PERCENT OF CASES WITH MISSING VALUES	9.47

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS03

VARIABLE LABEL: MOB 64C:Check/Maintain Vehicles <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.86		
5TH PERCENTILE	2.67		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.82
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.12
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	459
NUMBER OF CASES WITH MISSING VALUES	48
PERCENT OF CASES WITH MISSING VALUES	9.47

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS04

VARIABLE LABEL: MOB 64C:Use Maps/Follow Routes <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.50	MINIMUM	1.00
25TH PERCENTILE	3.50	MAXIMUM	7.00
MEDIAN	4.50	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.29
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.21
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	459
NUMBER OF CASES WITH MISSING VALUES	48
PERCENT OF CASES WITH MISSING VALUES	9.47

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS05

VARIABLE LABEL: MOB 64C:Load Cargo/Transport Pers.<Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.00	MINIMUM	1.50
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.79
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.09
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	459
NUMBER OF CASES WITH MISSING VALUES	48
PERCENT OF CASES WITH MISSING VALUES	9.47

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS06

VARIABLE LABEL: MOB 64C:Park/Secure Vehicles <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.67		
5TH PERCENTILE	3.50		
10TH PERCENTILE	4.00	MINIMUM	2.50
25TH PERCENTILE	5.00	MAXIMUM	7.00
MEDIAN	5.50	MODE	6.00
75TH PERCENTILE	6.00	MEAN	5.36
90TH PERCENTILE	6.50	STANDARD DEVIATION	1.00
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	459
NUMBER OF CASES WITH MISSING VALUES	48
PERCENT OF CASES WITH MISSING VALUES	9.47

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS07

VARIABLE LABEL: MOB 64C:Perform Adm Duties <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.20		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	2.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.83
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.03
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	459
NUMBER OF CASES WITH MISSING VALUES	48
PERCENT OF CASES WITH MISSING VALUES	9.47

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS08

VARIABLE LABEL: MOB 64C:Self-Recover Vehicles <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.56		
5TH PERCENTILE	2.00		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	3.50	MAXIMUM	7.00
MEDIAN	4.33	MODE	4.00
75TH PERCENTILE	5.00	MEAN	4.33
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.22
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	459
NUMBER OF CASES WITH MISSING VALUES	48
PERCENT OF CASES WITH MISSING VALUES	9.47

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS09

VARIABLE LABEL: MOB 64C:Safety-Mindedness <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.20		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	1.50
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.77
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.97
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	459
NUMBER OF CASES WITH MISSING VALUES	48
PERCENT OF CASES WITH MISSING VALUES	9.47

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS10

VARIABLE LABEL: MOB 64C:Perform dispatcher Duties <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.50	MINIMUM	1.00
25TH PERCENTILE	3.00	MAXIMUM	7.00
MEDIAN	4.00	MODE	4.00
75TH PERCENTILE	5.00	MEAN	4.09
90TH PERCENTILE	5.80	STANDARD DEVIATION	1.24
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	459
NUMBER OF CASES WITH MISSING VALUES	48
PERCENT OF CASES WITH MISSING VALUES	9.47

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS99

VARIABLE LABEL: MOB 64C:Overall Job Performance <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	1.50
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.82
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.03
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	459
NUMBER OF CASES WITH MISSING VALUES	48
PERCENT OF CASES WITH MISSING VALUES	9.47

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPSMOT

VARIABLE LABEL: MOB:Avg across MOS BARS <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.43		
5TH PERCENTILE	3.10		
10TH PERCENTILE	3.57	MINIMUM	1.90
25TH PERCENTILE	4.16	MAXIMUM	7.00
MEDIAN	4.75	MODE	5.30
75TH PERCENTILE	5.30	MEAN	4.70
90TH PERCENTILE	5.65	STANDARD DEVIATION	0.84
95TH PERCENTILE	5.90		
99TH PERCENTILE	6.50		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	459
NUMBER OF CASES WITH MISSING VALUES	48
PERCENT OF CASES WITH MISSING VALUES	9.47

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC01

VARIABLE LABEL: MOB 64C:Drive Vehicles <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.38		
5TH PERCENTILE	3.35		
10TH PERCENTILE	3.80	MINIMUM	2.00
25TH PERCENTILE	4.40	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.90
90TH PERCENTILE	5.86	STANDARD DEVIATION	0.85
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.99		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC02

VARIABLE LABEL: MOB 64C:Vehicle Coupling <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.67		
5TH PERCENTILE	3.25		
10TH PERCENTILE	3.63	MINIMUM	2.20
25TH PERCENTILE	4.20	MAXIMUM	7.00
MEDIAN	4.80	MODE	5.00
75TH PERCENTILE	5.33	MEAN	4.76
90TH PERCENTILE	5.82	STANDARD DEVIATION	0.85
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.98		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC03

VARIABLE LABEL: MOB 64C:Check/Maintain Vehicles <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.67		
5TH PERCENTILE	3.33		
10TH PERCENTILE	3.67	MINIMUM	1.33
25TH PERCENTILE	4.33	MAXIMUM	7.00
MEDIAN	4.83	MODE	5.00
75TH PERCENTILE	5.33	MEAN	4.78
90TH PERCENTILE	5.75	STANDARD DEVIATION	0.80
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.50		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC04

VARIABLE LABEL: MOB 64C:Use Maps/Follow Routes <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.34		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.33	MINIMUM	2.00
25TH PERCENTILE	3.83	MAXIMUM	7.00
MEDIAN	4.40	MODE	4.00
75TH PERCENTILE	5.00	MEAN	4.38
90TH PERCENTILE	5.40	STANDARD DEVIATION	0.81
95TH PERCENTILE	5.67		
99TH PERCENTILE	6.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC05

VARIABLE LABEL: MOB 64C:Load Cargo/Transport Pers.<Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.00		
5TH PERCENTILE	3.50		
10TH PERCENTILE	3.75	MINIMUM	2.33
25TH PERCENTILE	4.33	MAXIMUM	7.00
MEDIAN	4.83	MODE	5.00
75TH PERCENTILE	5.33	MEAN	4.79
90TH PERCENTILE	5.71	STANDARD DEVIATION	0.78
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.40		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC06

VARIABLE LABEL: MOB 64C:Park/Secure Vehicles <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.33		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.39	MINIMUM	3.00
25TH PERCENTILE	5.00	MAXIMUM	7.00
MEDIAN	5.43	MODE	5.00
75TH PERCENTILE	5.86	MEAN	5.36
90TH PERCENTILE	6.21	STANDARD DEVIATION	0.72
95TH PERCENTILE	6.40		
99TH PERCENTILE	6.67		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC07

VARIABLE LABEL: MOB 64C:Perform Adm Duties <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.00		
5TH PERCENTILE	3.62		
10TH PERCENTILE	4.00	MINIMUM	2.75
25TH PERCENTILE	4.51	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	5.00
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.77
95TH PERCENTILE	6.20		
99TH PERCENTILE	6.66		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC08

VARIABLE LABEL: MOB 64C:Self-Recover Vehicles <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.01		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.17	MINIMUM	1.00
25TH PERCENTILE	3.83	MAXIMUM	7.00
MEDIAN	4.43	MODE	4.00
75TH PERCENTILE	5.00	MEAN	4.38
90TH PERCENTILE	5.50	STANDARD DEVIATION	0.90
95TH PERCENTILE	5.82		
99TH PERCENTILE	6.49		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC09

VARIABLE LABEL: MOB 64C:Safety-Mindedness <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.75		
5TH PERCENTILE	3.50		
10TH PERCENTILE	3.80	MINIMUM	2.00
25TH PERCENTILE	4.33	MAXIMUM	7.00
MEDIAN	4.83	MODE	5.00
75TH PERCENTILE	5.33	MEAN	4.79
90TH PERCENTILE	5.67	STANDARD DEVIATION	0.74
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.33		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC10

VARIABLE LABEL: MOB 64C:Perform dispatcher Duties <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.72		
10TH PERCENTILE	3.00	MINIMUM	1.97
25TH PERCENTILE	3.65	MAXIMUM	7.00
MEDIAN	4.17	MODE	4.00
75TH PERCENTILE	4.75	MEAN	4.20
90TH PERCENTILE	5.33	STANDARD DEVIATION	0.89
95TH PERCENTILE	5.80		
99TH PERCENTILE	6.49		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC99

VARIABLE LABEL: MOB 64C:Overall Job Performance <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.86		
5TH PERCENTILE	3.50		
10TH PERCENTILE	4.00	MINIMUM	2.00
25TH PERCENTILE	4.50	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.96
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.77
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.49		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPCMOT

VARIABLE LABEL: MOB:Avg across MOS BARS <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.99		
5TH PERCENTILE	3.65		
10TH PERCENTILE	3.94	MINIMUM	2.71
25TH PERCENTILE	4.35	MAXIMUM	6.18
MEDIAN	4.75	MODE	4.30
75TH PERCENTILE	5.17	MEAN	4.74
90TH PERCENTILE	5.48	STANDARD DEVIATION	0.62
95TH PERCENTILE	5.70		
99TH PERCENTILE	6.04		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	504
NUMBER OF CASES WITH MISSING VALUES	3
PERCENT OF CASES WITH MISSING VALUES	0.59

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPMOT

VARIABLE LABEL: MOT:Avg Task Rating <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.39		
5TH PERCENTILE	3.81		
10TH PERCENTILE	3.97	MINIMUM	3.09
25TH PERCENTILE	4.28	MAXIMUM	6.36
MEDIAN	4.66	MODE	4.65
75TH PERCENTILE	4.99	MEAN	4.65
90TH PERCENTILE	5.38	STANDARD DEVIATION	0.55
95TH PERCENTILE	5.64		
99TH PERCENTILE	6.17		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	333
NUMBER OF CASES WITH MISSING VALUES	174
PERCENT OF CASES WITH MISSING VALUES	34.32

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSMOT

VARIABLE LABEL: MOT:Avg Task Rating <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.16		
5TH PERCENTILE	3.81		
10TH PERCENTILE	4.00	MINIMUM	3.06
25TH PERCENTILE	4.29	MAXIMUM	6.81
MEDIAN	4.67	MODE	4.22
75TH PERCENTILE	5.11	MEAN	4.73
90TH PERCENTILE	5.56	STANDARD DEVIATION	0.63
95TH PERCENTILE	5.91		
99TH PERCENTILE	6.63		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	232
PERCENT OF CASES WITH MISSING VALUES	45.76

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCMOT

VARIABLE LABEL: MOT:Avg Task Rating <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.48		
5TH PERCENTILE	3.85		
10TH PERCENTILE	4.04	MINIMUM	3.14
25TH PERCENTILE	4.33	MAXIMUM	6.28
MEDIAN	4.66	MODE	3.85
75TH PERCENTILE	4.98	MEAN	4.67
90TH PERCENTILE	5.35	STANDARD DEVIATION	0.51
95TH PERCENTILE	5.56		
99TH PERCENTILE	5.94		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	430
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	15.19

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XACM1

VARIABLE LABEL: ADM 01: Total Awards/Letters

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	0.45		
5TH PERCENTILE	0.45		
10TH PERCENTILE	0.45	MINIMUM	0.45
25TH PERCENTILE	1.45	MAXIMUM	12.11
MEDIAN	2.46	MODE	0.45
75TH PERCENTILE	4.23	MEAN	2.96
90TH PERCENTILE	5.73	STANDARD DEVIATION	2.03
95TH PERCENTILE	6.92		
99TH PERCENTILE	9.56		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XACM2

VARIABLE LABEL: ADM 02: Physical Readiness Score

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	134.36		
5TH PERCENTILE	183.80		
10TH PERCENTILE	200.00	MINIMUM	30.00
25TH PERCENTILE	225.00	MAXIMUM	300.00
MEDIAN	250.00	MODE	300.00
75TH PERCENTILE	275.00	MEAN	246.47
90TH PERCENTILE	289.00	STANDARD DEVIATION	36.73
95TH PERCENTILE	300.00		
99TH PERCENTILE	300.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XACM3

VARIABLE LABEL: ADM 03: M16 Qualification

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	1.00
25TH PERCENTILE	1.00	MAXIMUM	3.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	2.08
90TH PERCENTILE	3.00	STANDARD DEVIATION	0.76
95TH PERCENTILE	3.00		
99TH PERCENTILE	3.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	495
NUMBER OF CASES WITH MISSING VALUES	12
PERCENT OF CASES WITH MISSING VALUES	2.37

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XACM4

VARIABLE LABEL: ADM 04: Articles 15/Flag Actions

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	5.00
MEDIAN	0.00	MODE	0.00
75TH PERCENTILE	0.00	MEAN	0.40
90TH PERCENTILE	1.20	STANDARD DEVIATION	0.86
95TH PERCENTILE	2.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XACM5

VARIABLE LABEL: ADM 05: Promotion rate Dev Score

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	-2.11		
5TH PERCENTILE	-0.73		
10TH PERCENTILE	-0.54	MINIMUM	-2.64
25TH PERCENTILE	-0.27	MAXIMUM	1.27
MEDIAN	0.07	MODE	-0.11
75TH PERCENTILE	0.38	MEAN	0.03
90TH PERCENTILE	0.60	STANDARD DEVIATION	0.57
95TH PERCENTILE	0.80		
99TH PERCENTILE	0.98		

TOTAL NUMBER OF OBSERVATIONS	507
NUMBER OF CASES WITH NON MISSING VALUES	507
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

SELECTION AND CLASSIFICATION TECHNICAL AREA

WORKING PAPER WP-RS-89-2

Sample Concurrent Validation Codebook

Winnie Y. Young, Kathy Cordray Austin, Jeffrey J. McHenry, and Lauress L. Wise
American Institutes for Research

Frances C. Grafton
U.S. Army Research Institute

January 1989

REVIEWED BY:

Michael G. Rumsey
Team Chief, Performance Measurement, SCTA

APPROVED BY:

David W. Witter
Assistant Director, Manpower and Personnel Research Laboratory

CLEARED BY:

for Newell K. Eaton, Director

MANPOWER AND PERSONNEL RESEARCH LABORATORY

U. S. Army Research Institute
for the Behavioral and Social Sciences
5001 Eisenhower Avenue
Alexandria, Virginia 22333-5600

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Introduction

The Army's Project A is a large-scale multiyear research effort designed to improve the selection, classification and utilization of Army Enlisted Personnel. The initial large data collection effort of Project A was the Concurrent Validation (CV) in which predictor and performance data were collected concurrently from soldiers after 18 to 24 months of service. The CV resulted in the collection of more than fifteen million data points from approximately 9000 soldiers in 19 Military Occupational Specialties (MOS).

In order to effectively use the large amount of data collected in the field during the CV, as well as variables obtained from other sources, a Longitudinal Research Data Base (LRDB) was established. Due to the requirements of various types of data analyses to be performed, it was critical that the files in the LRDB be efficiently designed and well documented. Generally, item and step level data are maintained on tapes and merged with macro level variable files as required. The large separate MOS files for the CV contain the primary macro level variables used for analysis including Task Scores, Scale Scores, Construct Scores, Mean Ratings Scores, Imputation Flags and Residual Scores as well demographic, accession and Army-collected variables.

This paper presents a sample of the Concurrent Validation Codebooks developed by the LRDB manager and her team for the nine MOS for which Job Knowledge Tests, Hands-On Tests and MOS-specific Ratings were developed in addition to the School Knowledge Tests, Predictor Tests, and Army-wide Rating Scales developed for all 19 MOS. A tenth Codebook was provided for the additional ten MOS.

The variable-naming convention is consistent throughout all codebooks. Table 1 provides a description of the major variable groups as indicated by the first two characters of each variable name. Table 2 provides additional information for the new predictor and criterion variables collected during the CV.

Because some of the MOS- and task-specific data from the CV has not yet been approved for public release, the original codebook has been changed in two ways in creating the Sample Codebook. First, the actual MOS described by the Sample Codebook has been changed to read "mos" whenever the actual MOS occurs in the original codebook (i.e. FILE: M3AmosV3). Secondly, whenever actual task names are used in the original Codebook, the Task Number/Label is used in the Sample Codebook (e.g., M3GKH2PC K5 % CORR: Task H2).

Table 1

Major Variable Groups in the Concurrent Validation Files

Character 1-2	Source of Variables
A1	Accession Data Base
B3	CV Predictor Data
FL	Imputation Flag
ID	Encrypted Identification
M3	CV Criterion Data
NM	Number of Missing Constructs
P1	SQT Score
RS	Residual Score

Table 2

Additional Variable Information for Predictor (B3) and Criterion (M3) Variables

Character 1-2	Character	Description
B3		CV Predictor Data
	3	Source --- C = Computer Test I = AVOICE J = JOB T = ABLE P = Spatial Test
	4	Type of Variable --- C = Construct S = Scale
	5-8	Variable Descriptor
M3*		CV Criterion Data
	3	MOS Designation --- A-I = Batch A MOS Code X = Army Wide
	4	Type of Measure --- A = Administrative Measure H = Hands-On (HO) K = Job Knowledge (K5) P = Rating S = School Knowledge (K3)
	5-8	Variable Descriptor

*Variables M3DOB, MRACE; M3S3X, M3DMOS, M3ID, M3MOS, and M3POST do not conform to naming convention.

PROJECT A LRDB DOCUMENTATION — CODEBOOK
FILE IDENTITY: SAS.M3AmosV3 — VERSION 3.1

FILE DESCRIPTION:

SAS.M3AmosV3 is the third generation of the MOS mos summary file from the Concurrent Validation Data Base. The main difference between this file and the V2 file is that this file contains only cases that have complete data for all 29 construct scores. In particular, cases that failed the ABLE Non-Random Response scale (B3TSRESP: ABLE Scale #14) were also screened out. The 29 constructs are:

Predictor Constructs:

A1AQUANT	ASVAB Construct: Quantitative
A1ASPEED	ASVAB Construct: Speed
A1ATECH	ASVAB Construct: Technical
A1AVERBL	ASVAB Construct: Verbal
B3CCCPAC	Computer Construct: Complex Perc Accy
B3CCCPSP	Computer Construct: Complex Perc Speed
B3CCNMSA	Computer Construct: Num. Speed/Acc.
B3CCPSYM	Computer Construct: Psychomotor
B3CCSRAC	Computer Construct: Simp. React. Acc.
B3CCSRSP	Computer Construct: Simp. React. Speed
B3ICAUDI	AVOICE Construct: Audiovisual Arts
B3ICCOMB	AVOICE Construct: Combat Related
B3ICFSER	AVOICE Construct: Food Service
B3ICMACH	AVOICE Construct: Structural/Machine
B3ICPSER	AVOICE Construct: Protective Service
B3ICTECH	AVOICE Construct: Skilled Technical
B3JCAUTO	JOB Construct: Autonomy
B3JCROUT	JOB Construct: Routine
B3JCSUPP	JOB Construct: Org. & Coworker Supp.
B3PCSPAT	Cognitive Construct: Overall Spatial
B3TCADJU	ABLE Construct: Adjustment
B3TCCOND	ABLE Construct: Physical Condition
B3TCDEPN	ABLE Construct: Dependability
B3TCSURG	ABLE Construct: Surgency

Criterion Constructs:

M3RAWCTP	Core Technical Proficiency (raw scores)
M3RAWELS	Effort/Leadership (raw scores)
M3RAWGSP	General Soldiering Prof (raw scores)
M3RAWMPD	Personal Discipline (raw scores)
M3RAWPFB	Phys Fitness/Mil Bearing (raw scores)

This file differs from the V1 version in three aspects. First, the file contains the most recent edited, imputed and standardized version of the variables. Second, construct scores created from predictor and criterion data are included in this file. Last but not least, this file contains additional variables created from the ASVAB data and the SQT data. SAS.M3AmosV3 has a total of 289 observations and 660 variables.

The Table of Contents contains an alphabetic listings of the variables in the file. On this and the next 17 pages is a semantically organized list of the variables.

DEMOGRAPHICS:

M3DOB	CV Date of Birth
M3RACE	CV Race Code
M3SEX	CV Sex Code
ID	LRDB ID

CV DATA COLLECTION:

M3DMOS	CV Duty MOS Code
M3ID	CV Assigned ID
M3MOS	CV MOS Code
M3POST	CV Site Code

ACCESSIONS DATA:

A1ASVBFM	ASVAB Form
A1AS80AR	New 1980 Stdz ASVAB Subtest-AR
A1AS80AS	New 1980 Stdz ASVAB Subtest-AS
A1AS80CS	New 1980 Stdz ASVAB Subtest-CS
A1AS80EI	New 1980 Stdz ASVAB Subtest-EI
A1AS80GS	New 1980 Stdz ASVAB Subtest-GS
A1AS80MC	New 1980 Stdz ASVAB Subtest-MC
A1AS80MK	New 1980 Stdz ASVAB Subtest-MK
A1AS80NO	New 1980 Stdz ASVAB Subtest-NO
A1AS80PC	New 1980 Stdz ASVAB Subtest-PC
A1AS80VE	New 1980 Stdz ASVAB Subtest-VE
A1AS80WK	New 1980 Stdz ASVAB Subtest-WK
A1AC80CL	New 1980 Area Composite-CL<New>
A1AC80CO	New 1980 Area Composite-CO
A1AC80EL	New 1980 Area Composite-EL
A1AC80FA	New 1980 Area Composite-FA
A1AC80GM	New 1980 Area Composite-GM
A1AC80GT	New 1980 Area Composite-GT
A1AC80MM	New 1980 Area Composite-MM
A1AC80OF	New 1980 Area Composite-OF
A1AC80SC	New 1980 Area Composite-SC<New>
A1AC80ST	New 1980 Area Composite-ST
A1AFQT80	New 1980 AFQT Score
A1MCAT80	New 1980 Mental Category
A1FM5FLG	ASVAB: Form 5 Flag
A1BONLVL	Enlistment Bonus Level
A1EDCERT	Education Certification

A1EDYRS	Years of Education
A1ENLOP	Enlistment Option Guaranteed
A1ENLTRM	#Years, Term of Enlistment
A1ENTDOP	Designated Option
A1ENTDTE	Entry Date
A1ENTOP1	Enlisted Option
A1ENTPRG	Program for which Enlisted
A1MORWVR	Reason for Moral Waiver
A1WAIVER	Waiver Type
A1WAPLVL	Waiver Approval Level
A1HGT	Height
A1MEDFL1	Medical Failure Code
A1PULHE1	PULHES Factor--Physical Stamina
A1PULHE2	PULHES Factor--Upper Extremities
A1PULHE3	PULHES Factor--Lower Extremities
A1PULHE4	PULHES Factor--Hearing
A1PULHE5	PULHES Factor--Eyes
A1PULHE6	PULHES Factor--Psychiatric
A1PULHE7	PULHES Factor--Exp Weightlift

ACCESSIONS CONSTRUCTS:

A1AQUANT	ASVAB Construct: Quantitative
A1ASPEED	ASVAB Construct: Speed
A1ATECH	ASVAB Construct: Technical
A1AVERBL	ASVAB Construct: Verbal

SKILL QUALIFICATION TEST (SQT) SCORE:

P1SQTSCR	SQT SCORE

CV Predictor Paper-and-Pencil Tests:

Cognitive Tests:

B3PSAONC	# CORR: Assembling Objects
B3PSMPNC	# CORR: Map Test
B3PSMZNC	# CORR: Maze Test
B3PSORNC	# CORR: Object Rotation
B3PSOTNC	# CORR: Orientation Test
B3PSRSNC	# CORR: Reasoning Test

Cognitive Constructs:

B3PCORNT	Cognitive Sub-Construct: Spat. Orient.
B3PCREAS	Cognitive Sub-Construct: Spatial Reas.
B3PCSCAN	Cognitive Sub-Construct: Spatial Scan.
B3PCSPAT	Cognitive Construct: Overall Spatial

Non-Cognitive Tests:

AVOICE Scales:

B3ISCLER	AVOICE Scale 01: Clerical/Administrative
B3ISMECH	AVOICE Scale 02: Mechanics
B3ISCONS	AVOICE Scale 03: Heavy Construction
B3ISELEC	AVOICE Scale 04: Electronics
B3ISCOMB	AVOICE Scale 05: Combat
B3ISMSER	AVOICE Scale 06: Medical Services
B3ISINDI	AVOICE Scale 07: Rugged Individualism
B3ISLEAD	AVOICE Scale 08: Leadership/Guidance
B3ISLAWE	AVOICE Scale 09: Law Enforcement
B3ISFSRP	AVOICE Scale 10: Food Service Prof
B3ISARMS	AVOICE Scale 11: Firearms Enthusiast
B3ISSCIE	AVOICE Scale 12: Science/Chemical
B3ISDRAF	AVOICE Scale 13: Drafting
B3ISAUDI	AVOICE Scale 14: Audiographics
B3ISAEST	AVOICE Scale 15: Aesthetics
B3ISCOMP	AVOICE Scale 16: Computers
B3ISFSRE	AVOICE Scale 17: Food Service Employee
B3ISMATH	AVOICE Scale 18: Mathematics
B3ISECOM	AVOICE Scale 19: Electronic Communication
B3ISSHIP	AVOICE Scale 20: Shipment
B3ISFIRE	AVOICE Scale 21: Fire Protection
B3ISVEHI	AVOICE Scale 22: Vehicle/Equipment Operator

AVOICE Constructs:

B3ICAUDI	AVOICE Construct: Audiovisual Arts
B3ICCOMB	AVOICE Construct: Combat Related
B3ICFSER	AVOICE Construct: Food Service
B3ICPSER	AVOICE Construct: Protective Service
B3ICTECH	AVOICE Construct: Skilled Technical
B3ICMACH	AVOICE Construct: Structural/Machine

ABLE Scales:

B3TSABRN	ABLE: screened for scale 14
B3TSABSC	ABLE: screened for missing
B3TSSTAB	ABLE Scale #01: Emotional Stability
B3TSESTM	ABLE Scale #02: Self Esteem
B3TSCOOP	ABLE Scale #03: Cooperativeness
B3TSCONS	ABLE Scale #04: Conscientiousness
B3TSNOND	ABLE Scale #05: Nondelinquency
B3TSTRAD	ABLE Scale #06: Traditional Values
B3TSWORK	ABLE Scale #07: Work Orientation
B3TSCONT	ABLE Scale #08: Internal Control
B3TSENER	ABLE Scale #09: Energy Level
B3TSDOMN	ABLE Scale #10: Dominance
B3TSCOND	ABLE Scale #11: Physical Condition
B3TSSOCD	ABLE Scale #12: Social Desirability

B3TSSKNO ABLE Scale #13: Self-Knowledge
B3TSRESP ABLE Scale #14: Non-Random Response
B3TSIMPR ABLE Scale #15: Poor Impression

ABLE Constructs:

B3TCADJU ABLE Construct: Adjustment
B3TCDEPN ABLE Construct: Dependability
B3TCCOND ABLE Construct: Physical Condition
B3TCSURG ABLE Construct: Surgency

Job Orientation Blank (JOB) Scales:

B3JSSTAT JOB Scale #1: Job Status
B3JSOSUP JOB Scale #2: Org. Support
B3JSOTHR JOB Scale #3: Serve Others
B3JSAUTO JOB Scale #4: Autonomy
B3JSROUT JOB Scale #5: Routine
B3JSAMBI JOB Scale #6: Ambition

Job Orientation Blank (JOB) Constructs:

B3JCAUTO JOB Construct: Autonomy
B3JCSUPP JOB Construct: Org. & Coworker Supp.
B3JCROUT JOB Construct: Routine

CV PREDICTOR Computer Tests:

Choice Reaction Time:

B3CSCRDT CRT: Mean of Trimmed Decision Time
B3CSCRHT CRT: Mean Hit Rate

Cannon Shoot:

B3CSCSTS CS: Mean Abs. Time Discrep

Number Memory:

B3CSNMDT NUM: Mean for Final Response
B3CSNMHT NUM: Mean Hit Rate
B3CSNMIN NUM: Mean for Initial Input
B3CSNMOP NUM: Pooled Mean Operation Time

Perceptual Speed & Accuracy:

B3CSPSDT PSA: Mean of Trimmed Decision Time
B3CSPSHT PSA: Mean Hit Rate

Short-Term Memory:

B3CSSMDT MEM: Mean of Trimmed Decision Time
B3CSSMHT MEM: Mean Hit Rate

Simple Reaction Time:

B3CSSRDT SRT: Mean of Trimmed Decision Time
B3CSSRHT SRT: Mean Hit Rate

Target Identification Test:

B3CSTIDT TARGET: Mean of Trimmed Decision Time
B3CSTIHT TARGET: Mean Hit Rate

Target Shoot:

B3CSTSDL TARGET SHOOT - Mean Log (Dist + 1)
B3CSTSDT TARGET SHOOT - Mean Time to Fire

Target Tracking 1:

B3CST1DL TARGET TRACKING 1 - Mean Log (Dist + 1)

Target Tracking 2:

B3CST2DL TARGET TRACKING 2 - Mean Log (Dist + 1)

Total Movement Time:

B3CSRTMT Pooled Mean Movement Time

Predictor Computer Constructs:

B3CCCPAC Computer Construct: Complex Perc Accy
B3CCCPSP Computer Construct: Complex Perc Speed
B3CCNMSA Computer Construct: Num. Speed/Acc.
B3CCPSYM Computer Construct: Psychomotor
B3CCSRAC Computer Construct: Simp. React. Acc.
B3CCSRSP Computer Construct: Simp. React. Speed

CV SCHOOL KNOWLEDGE (K3):

M3XSSH1T K3 # CORR: Task 3 Items, Half 1
M3XSSH2T K3 # CORR: Task 3 Items, Half 2
M3XSTOTT K3: Total School Knowledge Score

K3 Functional Category Scores:

M3GSCL01 K3 mos: CL 01
M3GSCL02 K3 mos: CL 02
M3GSCL03 K3 mos: CL 03
M3GSCL04 K3 mos: CL 04
M3GSCL05 K3 mos: CL 05
M3GSCL07 K3 mos: CL 07
M3GSCL08 K3 mos: CL 08
M3GSCL09 K3 mos: CL 09

M3GSCL11 K3 mos: CL 11
M3GSCL16 K3 mos: CL 16
M3GSCL20 K3 mos: CL 20
M3GSCL21 K3 mos: CL 21
M3GSCL22 K3 mos: CL 22
M3GSCL23 K3 mos: CL 23
M3GSCL24 K3 mos: CL 24
M3GSCL27 K3 mos: CL 27

K3 K/P Category Scores:

M3GSK1 K3 mos: K/P <K1>
M3GSK2 K3 mos: K/P <K2>

K3 Factor Scores <CVBITS>:

M3GSCLB K3 mos: CL B: Basic Soldiering
M3GSCLI K3 mos: CL I: ID Target
M3GSCLS K3 mos: CL S: Safety
M3GSCLT K3 mos: CL T: Technical
M3GSCLV K3 mos: CL V: Vehicle Maint/Op

K3 Functional Category by K/P Scores:

M3GS01K1 K3 mos: CL 01 <K1>
M3GS01K2 K3 mos: CL 01 <K2>
M3GS02K1 K3 mos: CL 02 <K1>
M3GS02K2 K3 mos: CL 02 <K2>
M3GS03K1 K3 mos: CL 03 <K1>
M3GS03K2 K3 mos: CL 03 <K2>
M3GS04K1 K3 mos: CL 04 <K1>
M3GS04K2 K3 mos: CL 04 <K2>
M3GS05K1 K3 mos: CL 05 <K1>
M3GS05K2 K3 mos: CL 05 <K2>
M3GS07K1 K3 mos: CL 07 <K1>
M3GS08K1 K3 mos: CL 08 <K1>
M3GS08K2 K3 mos: CL 08 <K2>
M3GS09K2 K3 mos: CL 09 <K2>
M3GS11K2 K3 mos: CL 11 <K2>
M3GS16K1 K3 mos: CL 16 <K1>
M3GS20K1 K3 mos: CL 20 <K1>
M3GS20K2 K3 mos: CL 20 <K2>
M3GS21K1 K3 mos: CL 21 <K1>
M3GS21K2 K3 mos: CL 21 <K2>
M3GS22K1 K3 mos: CL 22 <K1>
M3GS22K2 K3 mos: CL 22 <K2>
M3GS23K1 K3 mos: CL 23 <K1>
M3GS23K2 K3 mos: CL 23 <K2>
M3GS24K1 K3 mos: CL 24 <K1>
M3GS24K2 K3 mos: CL 24 <K2>
M3GS27K2 K3 mos: CL 27 <K2>

K3 Factor Scores <CVBITS> by K/P Category:

M3GSCLB1	K3 mos: CL B: Basic Soldiering <K1>
M3GSCLB2	K3 mos: CL B: Basic Soldiering <K2>
M3GSCLI1	K3 mos: CL I: ID Target <K1>
M3GSCLS1	K3 mos: CL S: Safety <K1>
M3GSCLS2	K3 mos: CL S: Safety <K2>
M3GSCLT1	K3 mos: CL T: Technical <K1>
M3GSCLT2	K3 mos: CL T: Technical <K2>
M3GSCLV1	K3 mos: CL V: Vehicle Maint/Op <K1>
M3GSCLV2	K3 mos: CL V: Vehicle Maint/Op <K2>

K3 Criterion Construct:

M3SGSP	K3 Gen Soldiering Prof (raw scores)
M3SCTP	K3 Core Technical Prof (raw scores)

CV JOB KNOWLEDGE (K5):

M3XKSH1T	K5 mos: Average % Split Half 1
M3XKSH2T	K5 mos: Average % Split Half 2
M3XKTOTT	K5 AVG % For All Tasks (mos)
M3GKH2PC	K5 % CORR: Task H2
M3GKH3PC	K5 % CORR: Task H3
M3GKIAPC	K5 % CORR: Task IA
M3GKI1PC	K5 % CORR: Task I1
M3GKI2PC	K5 % CORR: Task I2
M3GKI3PC	K5 % CORR: Task I3
M3GKI4PC	K5 % CORR: Task I4
M3GKI5PC	K5 % CORR: Task I5
M3GKI6PC	K5 % CORR: Task I6
M3GKI7PC	K5 % CORR: Task I7
M3GKI8PC	K5 % CORR: Task I8
M3GKI9PC	K5 % CORR: Task I9
M3GKJ1PC	K5 % CORR: Task J1
M3GKJ2PC	K5 % CORR: Task J2
M3GKJ3PC	K5 % CORR: Task J3
M3GKJ4PC	K5 % CORR: Task J4
M3GKJ5PC	K5 % CORR: Task J5
M3GKJ6PC	K5 % CORR: Task J6
M3XKA2PC	K5 % CORR: Task A2
M3XKA4PC	K5 % CORR: Task A4
M3XKB3PC	K5 % CORR: Task B3
M3XKB4PC	K5 % CORR: Task B4
M3XKC2PC	K5 % CORR: Task C2
M3XKD2PC	K5 % CORR: Task D2
M3XKD3PC	K5 % CORR: Task D3
M3XKD4PC	K5 % CORR: Task D4
M3XKF1PC	K5 % CORR: Task F1
M3XKG2PC	K5 % CORR: Task G2
M3XKG3PC	K5 % CORR: Task G3
M3XKH1PC	K5 % CORR: Task H1

K5 Functional Category Scores:

M3GKCL01	K5 mos:	CL 01
M3GKCL02	K5 mos:	CL 02
M3GKCL03	K5 mos:	CL 03
M3GKCL04	K5 mos:	CL 04
M3GKCL05	K5 mos:	CL 05
M3GKCL06	K5 mos:	CL 06
M3GKCL07	K5 mos:	CL 07
M3GKCL08	K5 mos:	CL 08
M3GKCL11	K5 mos:	CL 11
M3GKCL20	K5 mos:	CL 20
M3GKCL21	K5 mos:	CL 21
M3GKCL22	K5 mos:	CL 22
M3GKCL23	K5 mos:	CL 23
M3GKCL24	K5 mos:	CL 24

K5 K/P Category Scores:

M3GKK1	K5 mos:	K/P <K1>
M3GKK2	K5 mos:	K/P <K2>
M3GKK3	K5 mos:	K/P <K<K3>
M3GKK4	K5 mos:	K/P <K4>

K5 Factor Scores <CVBITS>:

M3GKCLB	K5 mos:	CL B: Basic Soldiering
M3GKCLC	K5 mos:	CL C: Communication
M3GKCLI	K5 mos:	CL I: ID Target
M3GKCLS	K5 mos:	CL S: Safety
M3GKCLT	K5 mos:	CL T: Technical
M3GKCLV	K5 mos:	CL V: Vehicle Maint/Op

K5 Functional Category by K/P Scores:

M3GK01K1	K5 mos:	CL 01 <K1>
M3GK01K2	K5 mos:	CL 01 <K2>
M3GK01K4	K5 mos:	CL 01 <K4>
M3GK02K2	K5 mos:	CL 02 <K2>
M3GK02K3	K5 mos:	CL 02 <K3>
M3GK03K1	K5 mos:	CL 03 <K1>
M3GK03K3	K5 mos:	CL 03 <K3>
M3GK04K1	K5 mos:	CL 04 <K1>
M3GK04K2	K5 mos:	CL 04 <K2>
M3GK05K1	K5 mos:	CL 05 <K1>
M3GK06K1	K5 mos:	CL 06 <K1>
M3GK06K3	K5 mos:	CL 06 <K3>
M3GK07K3	K5 mos:	CL 07 <K3>
M3GK08K1	K5 mos:	CL 08 <K1>
M3GK11K1	K5 mos:	CL 11 <K1>
M3GK20K1	K5 mos:	CL 20 <K1>
M3GK20K2	K5 mos:	CL 20 <K2>

M3GK21K1 K5 mos: CL 21 <K1>
M3GK21K3 K5 mos: CL 21 <K3>
M3GK22K1 K5 mos: CL 22 <K1>
M3GK22K2 K5 mos: CL 22 <K2>
M3GK22K3 K5 mos: CL 22 <K3>
M3GK23K1 K5 mos: CL 23 <K1>
M3GK23K2 K5 mos: CL 23 <K2>
M3GK23K3 K5 mos: CL 23 <K3>
M3GK24K1 K5 mos: CL 24 <K1>
M3GK24K2 K5 mos: CL 24 <K2>
M3GK24K3 K5 mos: CL 24 <K3>
M3GK24K4 K5 mos: CL 24 <K4>

K5 Factor Scores by K/P Category:

M3GKCLB1 K5 mos: CL B: Basic Soldiering <K1>
M3GKCLB2 K5 mos: CL B: <K2>
M3GKCLB3 K5 mos: CL B: Basic Soldiering <K3>
M3GKCLC1 K5 mos: CL C: Communication <K1>
M3GKCLC3 K5 mos: CL C: Communication <K3>
M3GKCLI3 K5 mos: CL I: ID Target <K3>
M3GKCLS1 K5 mos: CL S: Safety <K1>
M3GKCLS2 K5 mos: CL S: Safety <K2>
M3GKCLS3 K5 mos: CL S: Safety <K3>
M3GKCLS4 K5 mos: CL S: Safety <K4>
M3GKCLT1 K5 mos: CL T: Technical <K1>
M3GKCLT2 K5 mos: CL T: Technical <K2>
M3GKCLT3 K5 mos: CL T: Technical <K3>
M3GKCLT4 K5 mos: CL T: Technical <K4>
M3GKCLV1 K5 mos: CL V: Vehicle Maint/Op <K1>

K5 Criterion Construct:

M3KGSP K5 Gen Soldier Prof (raw scores)
M3KCTP K5 Core Technical Prof (raw scores)

CV HANDS-ON MEASURES:

M3XHSH1T AVG HO % GO For Total Half 1
M3XHSH2T AVG HO % GO For Total Half 2
M3XHTOTT AVG HO % GO For All Tasks

M3GHH2PG HO % GO: Task H2
M3GHH3PG HO % GO: Task H3
M3GHIAPG HO % GO: Task IA
M3GHI1PG HO % GO: Task I1
M3GHI3PG HO % GO: Task I3
M3GHI7PG HO % GO: Task I7
M3GHJ1PG HO % GO: Task J1
M3GHJ3PG HO % GO: Task J3
M3GHJ4PG HO % GO: Task J4
M3GHJ6PG HO % GO: Task J6
M3XHA4PG HO % GO: Task A4

M3XHB3PG HO % GO: Task B3
M3XHC2PG HO % GO: Task C2
M3XHD3PG HO % GO: Task D3
M3XHH1PG HO % GO: Task H1

HO Functional Category Scores:

M3GHCL01 HO mos: CL 01
M3GHCL02 HO mos: CL 02
M3GHCL03 HO mos: CL 03
M3GHCL04 HO mos: CL 04
M3GHCL06 HO mos: CL 06
M3GHCL11 HO mos: CL 11
M3GHCL20 HO mos: CL 20
M3GHCL21 HO mos: CL 21
M3GHCL23 HO mos: CL 23
M3GHCL24 HO mos: CL 24

HO K/P Category Scores:

M3GHK1 HO mos: K/P <K1>
M3GHP5 HO mos: K/P <P5>

HO Factor Scores <CVBITS>:

M3GHCLB HO mos: CL B: Basic Soldiering
M3GHCLC HO mos: CL C: Communication
M3GHCLS HO mos: CL S: Safety
M3GHCLT HO mos: CL T: Technical
M3GHCLV HO mos: CL V: Vehicle Maint/Op

HO Functional Category by K/P Scores:

M3GH01K1 HO mos: CL 01 <K1>
M3GH01P5 HO mos: CL 01 <P5>
M3GH02K1 HO mos: CL 02 <K1>
M3GH02P5 HO mos: CL 02 <P5>
M3GH03K1 HO mos: CL 03 <K1>
M3GH03P5 HO mos: CL 03 <P5>
M3GH04K1 HO mos: CL 04 <K1>
M3GH04P5 HO mos: CL 04 <P5>
M3GH06K1 HO mos: CL 06 <K1>
M3GH11K1 HO mos: CL 11 <K1>
M3GH11P5 HO mos: CL 11 <P5>
M3GH20K1 HO mos: CL 20 <K1>
M3GH20P5 HO mos: CL 20 <P5>
M3GH21K1 HO mos: CL 21 <K1>
M3GH23K1 HO mos: CL 23 <K1>
M3GH23P5 HO mos: CL 23 <P5>
M3GH24K1 HO mos: CL 24 <K1>
M3GH24P5 HO mos: CL 24 <P5>

H/O Factor Scores by K/P Category:

M3GHCLB1	HO mos: CL B: Basic Soldiering <K1>
M3GHCLB5	HO mos: CL B: Basic Soldiering <P5>
M3GHCLC1	HO mos: CL C: Communication <K1>
M3GHCLS1	HO mos: CL S: Safety <K1>
M3GHCLS5	HO mos: CL S: Safety <P5>
M3GHCLT1	HO mos: CL T: Technical <K1>
M3GHCLT5	HO mos: CL T: Technical <P5>
M3GHCLV1	HO mos: CL V: Vehicle Maint/Op <K1>
M3GHCLV5	HO mos: CL V: Vehicle Maint/Op <P5>

H/O Criterion Construct:

M3HGSP	Ho Gen Soldiering Prof (raw scores)
M3HCTP	HO Core Technical Prof (raw scores)

CV RATING DATA:

Army Wide BARS (AWB) Ratings:

Peer Ratings:

M3XPP01	AWB A:Tech Skill <Peer>
M3XPP02	AWB B:Effort <Peer>
M3XPP03	AWB C:Following Regs <Peer>
M3XPP04	AWB D:Integrity <Peer>
M3XPP05	AWB E:Leadership <Peer>
M3XPP06	AWB F:Maintain Equip <Peer>
M3XPP07	AWB G:Military Appear <Peer>
M3XPP08	AWB H:Phys Fitness <Peer>
M3XPP09	AWB I:Self Development <Peer>
M3XPP10	AWB J:Self Control <Peer>
M3XPP11	AWB:Overall Eff <Peer>
M3XPP12	AWB:NCO Potential <Peer>
M3XPPAWT	AWB:Avg across Army-Wide BARS <Peer>

Peer Rating Constructs:

M3XPPF01	AWB F01: Tech Skill & Effort <Peer>
M3XPPF02	AWB F02: Integrity & Control <Peer>
M3XPPF03	AWB F03: Phys Fitness & Bearing <Peer>

Supervisor Ratings:

M3XPS01	AWB A:Tech Skill <Supv>
M3XPS02	AWB B:Effort <Supv>
M3XPS03	AWB C:Following Regs <Supv>
M3XPS04	AWB D:Integrity <Supv>
M3XPS05	AWB E:Leadership <Supv>
M3XPS06	AWB F:Maintain Equip <Supv>
M3XPS07	AWB G:Military Appear <Supv>

M3XPS08 AWB H:Phys Fitness <Supv>
M3XPS09 AWB I:Self Development <Supv>
M3XPS10 AWB J:Self Control <Supv>
M3XPS11 AWB:Overall Eff <Supv>
M3XPS12 AWB:NCO Potential <Supv>

M3XPSAWT AWB:Avg across Army-Wide BARS <Supv>

Supervisor Rating Constructs:

M3XPSF01 AWB F01: Tech Skill & Effort <Supv>
M3XPSF02 AWB F02: Integrity & Control <Supv>
M3XPSF03 AWB F03: Phys Fitness & Bearing <Supv>

Peer/Supervisor Combined Ratings:

M3XPC01 AWB A:Tech Skill <Comb>
M3XPC02 AWB B:Effort <Comb>
M3XPC03 AWB C:Following Regs <Comb>
M3XPC04 AWB D:Integrity <Comb>
M3XPC05 AWB E:Leadership <Comb>
M3XPC06 AWB F:Maintain Equip <Comb>
M3XPC07 AWB G:Military Appear <Comb>
M3XPC08 AWB H:Phys Fitness <Comb>
M3XPC09 AWB I:Self Development <Comb>
M3XPC10 AWB J:Self Control <Comb>
M3XPC11 AWB:Overall Eff <Comb>
M3XPC12 AWB:NCO Potential <Comb>

M3XPCAWT AWB:Avg across Army-Wide BARS <Comb>

Peer/Supervisor Combined Rating Constructs:

M3XPCF01 AWB F01: Tech Skill & Effort <Comb>
M3XPCF02 AWB F02: Integrity & Control <Comb>
M3XPCF03 AWB F03: Phys Fitness & Bearing <Comb>

MOS-Specific BARS (AWB) Ratings:

Peer Ratings:

M3MPP01 MOB mos:Inspect/Service Equip <Peer>
M3MPP02 MOB mos:Install/Repair Equip <Peer>
M3MPP03 MOB mos:Operate Comm. Device <Peer>
M3MPP04 MOB mos:Prepare Reports <Peer>
M3MPP05 MOB mos:Maint Security <Peer>
M3MPP06 MOB mos:Provide Safe Transp <Peer>
M3MPP99 MOB mos:Overall Performance <Peer>

M3MPPMOT MOB:Avg across MOS BARS <Peer>

Peer Rating Constructs:

M3MPPF01 MOB mos: Factor I <Peer>
M3MPPF02 MOB mos: Factor II <Peer>
M3MPPF03 MOB mos: Overall <Peer>

Supervisor Ratings:

M3MPS01 MOB mos:Inspect/Service Equip <Supv>
M3MPS02 MOB mos:Install/Repair Equip <Supv>
M3MPS03 MOB mos:Operate Comm. Device <Supv>
M3MPS04 MOB mos:Prepare Reports <Supv>
M3MPS05 MOB mos:Maint Security <Supv>
M3MPS06 MOB mos:Provide Safe Transp <Supv>
M3MPS99 MOB mos:Overall Performance <Supv>

M3MPSMOT MOB:Avg across MOS BARS <Supv>

Supervisor Rating Constructs:

M3MPSF01 MOB mos: Factor I <Supv>
M3MPSF02 MOB mos: Factor II <Supv>
M3MPSF03 MOB mos: Overall <Supv>

Peer/Supervisor Combined Ratings:

M3MPC01 MOB mos:Inspect/Service Equip <Comb>
M3MPC02 MOB mos:Install/Repair Equip <Comb>
M3MPC03 MOB mos:Operate Comm. Device <Comb>
M3MPC04 MOB mos:Prepare Reports <Comb>
M3MPC05 MOB mos:Maint Security <Comb>
M3MPC06 MOB mos:Provide Safe Transp <Comb>
M3MPC99 MOB mos:Overall Performance <Comb>

M3MPCMOT MOB:Avg across MOS BARS <Comb>

Peer/Supervisor Combined Rating Constructs:

M3MPCF01 MOB mos: Factor I <Comb>
M3MPCF02 MOB mos: Factor II <Comb>
M3MPCF03 MOB mos: Overall <Comb>

MOS-Specific Task Ratings:

Peer Ratings:

M3MTPMOT MOT:Avg Task Rating <Peer>

Peer Rating Functional Category Scores:

M3MTPC01 MOT mos: CL 01 <Peer>
M3MTPC02 MOT mos: CL 02 <Peer>
M3MTPC03 MOT mos: CL 03 <Peer>

M3MTPC04 MOT mos: CL 04 <Peer>
M3MTPC06 MOT mos: CL 06 <Peer>
M3MTPC11 MOT mos: CL 11 <Peer>
M3MTPC20 MOT mos: CL 20 <Peer>
M3MTPC21 MOT mos: CL 21 <Peer>
M3MTPC23 MOT mos: CL 23 <Peer>
M3MTPC24 MOT mos: CL 24 <Peer>

Peer Rating Factor Scores <CVBITS>:

M3MTPCB MOT mos: CL B: Basic Soldering <Peer>
M3MTPCC MOT mos: CL C: Communication <Peer>
M3MTPCS MOT mos: CL S: Safety/Survival <Peer>
M3MTPCT MOT mos: CL T: Technical Skill <Peer>
M3MTPCV MOT mos: CL V: Vehicle Maint/Op <Peer>

Supervisor Ratings:

M3MTSMOT MOT:Avg Task Rating <Supv>

Supervisor Rating Functional Category Scores:

M3MTSC01 MOT mos: CL 01 <Supv>
M3MTSC02 MOT mos: CL 02 <Supv>
M3MTSC03 MOT mos: CL 03 <Supv>
M3MTSC04 MOT mos: CL 04 <Supv>
M3MTSC06 MOT mos: CL 06 <Supv>
M3MTSC11 MOT mos: CL 11 <Supv>
M3MTSC20 MOT mos: CL 20 <Supv>
M3MTSC21 MOT mos: CL 21 <Supv>
M3MTSC23 MOT mos: CL 23 <Supv>
M3MTSC24 MOT mos: CL 24 <Supv>

Supervisor Rating Factor Scores <CVBITS>:

M3MTSCB MOT mos: CL B: Basic Soldering <Supv>
M3MTSCC MOT mos: CL C: Communication <Supv>
M3MTSCS MOT mos: CL S: Safety/Survival <Supv>
M3MTSCT MOT mos: CL T: Technical Skill <Supv>
M3MTSCV MOT mos: CL V: Vehicle Maint/Op <Supv>

Peer/Supervisor Combined Ratings:

M3MTCMOT MOT:Avg Task Rating <Comb>

Peer/Supervisor Combined Rating Functional Category Scores:

M3MTCC01 MOT mos: CL 01 <Comb>
M3MTCC02 MOT mos: CL 02 <Comb>
M3MTCC03 MOT mos: CL 03 <Comb>
M3MTCC04 MOT mos: CL 04 <Comb>
M3MTCC06 MOT mos: CL 06 <Comb>
M3MTCC11 MOT mos: CL 11 <Comb>

M3MTCC20 MOT mos: CL 20 <Comb>
M3MTCC21 MOT mos: CL 21 <Comb>
M3MTCC23 MOT mos: CL 23 <Comb>
M3MTCC24 MOT mos: CL 24 <Comb>

Peer/Supervisor Combined Rating Factor Scores <CVBITS>:

M3MTCCB MOT mos: CL B: Basic Soldering <Comb>
M3MTCCC MOT mos: CL C: Communication <Comb>
M3MTCCS MOT mos: CL S: Safety/Survival <Comb>
M3MTCCT MOT mos: CL T: Technical Skill <Comb>
M3MTCCV MOT mos: CL V: Vehicle Maint/Op <Comb>

CV COMBAT PREDICTION DATA:

Peer Ratings:

M3XCPSC1 Combat 01: Perf Well Combat Cond <Peer>
M3XCPSC2 Combat 02: Avoid Inapp actions <Peer>
M3XCPAWC COMB:Avg Combat Pred Rating <Peer>

Supervisor Ratings:

M3XCSSC1 Combat 01: Perf Well Combat Cond <Supv>
M3XCSSC2 Combat 02: Avoid Inapp actions <Supv>
M3XCSAWC COMB:Avg Combat Pred Rating <Supv>

Peer/Supervisor Combined Ratings:

M3XCCSC1 Combat 01: Perf Well Combat Cond <Comb>
M3XCCSC2 Combat 02: Avoid Inapp actions <Comb>
M3XCCAWC COMB:Avg Combat Pred Rating <Comb>

CV ADMINISTRATIVE MEASURES:

M3XACM1 ADM 01: Total Awards/Letters
M3XACM2 ADM 02: Physical Readiness Score
M3XACM3 ADM 03: M16 Qualification
M3XACM4 ADM 04: Articles 15/Flag Actions
M3XACM5 ADM 05: Promotion rate Dev Score

CV CRITERION FACTOR SCORES:

Raw Scores:

M3RATING Total Rating Score (std raw scores)
M3WGSP Written Gen Soldiering Prof (raw scores)
M3WCTP Written Core Technical Prof (raw scores)
M3VERBAL Total Written Test Score (raw scores)

M3RAWGSP General Soldiering Prof (raw scores)
M3RAWELS Effort/Leadership (raw scores)
M3RAWCTP Core Technical Proficiency (raw scores)

M3RAWMPD Personal Discipline (raw scores)
M3RAWPFB Phys Fitness/Military Bearing (raw scores)

Residual Scores:

M3RESGSP General Soldiering Prof (resid scores)
M3RESELS Effort/Leadership (resid scores)
M3RESCTP Core Technical Proficiency (resid scores)
M3RESMPD Personal Discipline (resid scores)
M3RESPFB Phys Fitness/Military Bearing (resid scores)

NMISSING No. of missing crit construct scores

CV IMPUTATION FLAGS <Generated by PROC IMPUTE>:

FLCSCRDT Imp Flag: CRT: Mean Trimmed Dec. Time
FLCSCRHT Imp Flag: CRT: Mean Hit Rate
FLCSCSTS Imp Flag: CS: Mean Abs. Time Discrep
FLCSNMDT Imp Flag: NUM: Mean for Final Response
FLCSNMHT Imp Flag: NUM: Mean Hit Rate
FLCSNMIN Imp Flag: NUM: Mean for Initial Input
FLCSNMOP Imp Flag: NUM: Pooled Mean Op Time
FLCSPSDT Imp Flag: PSA: Mean Trimmed Dec. Time
FLCSPSHT Imp Flag: PSA: Mean Hit Rate
FLCSRTMT Imp Flag: Pooled Mean Movement Time
FLCSSMDT Imp Flag: MEM: Mean Trimmed Dec. Time
FLCSSMHT Imp Flag: MEM: Mean Hit Rate
FLCSSRDT Imp Flag: SRT: Mean Trimmed Dec. Time
FLCSSRHT Imp Flag: SRT: Mean Hit Rate
FLCSTIDT Imp Flag: TARGET: Mean Trimmed Dec. Time
FLCSTIHT Imp Flag: TARGET: Mean Hit Rate
FLCSTSDL Imp Flag: TARG SHT: Mean Log (Dist + 1)
FLCSTSDT Imp Flag: TARG SHT: Mean Time to Fire
FLCST1DL Imp Flag: TARG TRACK 1 MN Log (Dist + 1)
FLCST2DL Imp Flag: TARG TRACK 2 MN Log (Dist + 1)

FLGHCLB Imp Flag: H/O CL B: Basic Soldiering
FLGHCLC Imp Flag: H/O CL C: Communication
FLGHCLS Imp Flag: H/O CL S: Safety
FLGHCLT Imp Flag: H/O CL T: Technical
FLGHCLV Imp Flag: H/O CL V: Vehicle Maint/Op

FLGKCLB Imp Flag: K5 CL B: Basic Soldiering
FLGKCLC Imp Flag: K5 CL C: Communication
FLGKCLI Imp Flag: K5 CL I: ID Target
FLGKCLS Imp Flag: K5 CL S: Safety
FLGKCLT Imp Flag: K5 CL T: Technical
FLGKCLV Imp Flag: K5 CL V: Vehicle Maint/Op

FLGSCLB Imp Flag: K3 CL B: Basic Soldiering
FLGSCLI Imp Flag: K3 CL I: ID Target
FLGSCLS Imp Flag: K3 CL S: Safety
FLGSCLT Imp Flag: K3 CL T: Technical

FLGSCLV Imp Flag: K3 CL V: Vehicle Maint/Op

FLISCLER Imp Flag: AVOICE 01: Clerical/Admin
FLISMECH Imp Flag: AVOICE 02: Mechanics
FLISCONS Imp Flag: AVOICE 03: Heavy Construction
FLISELEC Imp Flag: AVOICE 04: Electronics
FLISCOMB Imp Flag: AVOICE 05: Combat
FLISMSER Imp Flag: AVOICE 06: Medical Services
FLISINDI Imp Flag: AVOICE 07: Rug Individualism
FLISLEAD Imp Flag: AVOICE 08: Leadership/Guidance
FLISLAWE Imp Flag: AVOICE 09: Law Enforcement
FLISFSRP Imp Flag: AVOICE 10: Food Svc Prof
FLISARMS Imp Flag: AVOICE 11: Firearms Enthusiast
FLISSCIE Imp Flag: AVOICE 12: Science/Chemical
FLISDRAF Imp Flag: AVOICE 13: Drafting
FLISAUDI Imp Flag: AVOICE 14: Audiographics
FLISAEST Imp Flag: AVOICE 15: Aesthetics
FLISCOMP Imp Flag: AVOICE 16: Computers
FLISFSRE Imp Flag: AVOICE 17: Food Svc Employee
FLISMATH Imp Flag: AVOICE 18: Mathematics
FLISECOM Imp Flag: AVOICE 19: Electronic Communication
FLISSHIP Imp Flag: AVOICE 20: Shipment
FLISFIRE Imp Flag: AVOICE 21: Fire Protection
FLISVEHI Imp Flag: AVOICE 22: Veh/Equip Operator

FLJSSTAT Imp Flag: JOB #1: Job Status
FLJSOSUP Imp Flag: JOB #2: Org. Support
FLJSOTHR Imp Flag: JOB #3: Serve Others
FLJSAUTO Imp Flag: JOB #4: Autonomy
FLJSROUT Imp Flag: JOB #5: Routine
FLJSAMBI Imp Flag: JOB #6: Ambition

FLMPCF01 Imp Flag: MOB mos: Factor I <Comb>
FLMPCF02 Imp Flag: MOB mos: Factor II <Comb>

FLPSAONC Imp Flag: # CORR: Assembling Objects
FLPSMPNC Imp Flag: # CORR: Map Test
FLPSMZNC Imp Flag: # CORR: Maze Test
FLPSORNC Imp Flag: # CORR: Object Rotation
FLPSOTNC Imp Flag: # CORR: Orientation Test
FLPSRSNC Imp Flag: # CORR: Reasoning Test

FLTSSTAB Imp Flag: ABLE #01: Emotional Stab
FLTSESTM Imp Flag: ABLE #02: Self Esteem
FLTSCOOP Imp Flag: ABLE #03: Cooperativeness
FLTSCONS Imp Flag: ABLE #04: Conscientious
FLTSNOND Imp Flag: ABLE #05: Nondelinquency
FLTSTRAD Imp Flag: ABLE #06: Tradit Values
FLTSWORK Imp Flag: ABLE #07: Work Orient
FLTSCONT Imp Flag: ABLE #08: Internal Cntrl
FLTSENER Imp Flag: ABLE #09: Energy Level
FLTSDOMN Imp Flag: ABLE #10: Dominance
FLTSCOND Imp Flag: ABLE #11: Physical Cond

FLXACM1	Imp Flag: ADM 01: Total Awards/Letters
FLXACM2	Imp Flag: ADM 02: Phys Readiness Score
FLXACM4	Imp Flag: ADM 04: Art 15/Flag Actions
FLXACM5	Imp Flag: ADM 05: Promo rate Dev Score
FLXCCAWC	Imp Flag: COMB:Avg Combat Pred Rtg<Comb>
FLXPCF01	Imp Flag: AWB F01: Tech Skill/Efrt<Comb>
FLXPCF02	Imp Flag: AWB F02: Integ/Control<Comb>
FLXPCF03	Imp Flag: AWB F03: Phys Fit/Bearing<Comb>
FLXPC11	Imp Flag: AWB: Overall Eff<Comb>

CV RESIDUALS SCORES <Generated by PROC REG>:

RSGKCLB	K5 CL B: Basic Soldiering <Residuals>
RSGKCLC	K5 CL C: Communication <Residuals>
RSGKCLI	K5 CL I: ID Target <Residuals>
RSGKCLS	K5 CL S: Safety <Residuals>
RSGKCLT	K5 CL T: Technical <Residuals>
RSGKCLV	K5 CL V: Vehicle Maint/Op <Residuals>
RSKGSP	K5 Gen Soldiering Prof (resid scores)
RSKCTP	K5 Gen Soldiering Prof (resid scores)
RSGSCLB	K3 CL B: Basic Soldiering <Residuals>
RSGSCLI	K3 CL I: ID Target <Residuals>
RSGSCLS	K3 CL S: Safety <Residuals>
RSGSCLT	K3 CL T: Technical <Residuals>
RSGSCLV	K3 CL V: Vehicle Maint/Op <Residuals>
RSSGSP	K3 Gen Soldiering Prof (resid scores)
RSSCTP	K3 Gen Soldiering Prof (resid scores)
RSMPCF01	MOB mos: Factor I <Comb> <Residuals>
RSMPCF02	MOB mos: Factor II <Comb> <Residuals>
RSRATING	Total Rating Score (std resid scores)
RSVERBAL	Total Written Test Score (resid scores)
RSWGSP	Written Gen Soldiering Prof (resid scores)
RSWCTP	Written Core Technical Prof (resid scores)
RSXCCAWC	COMB: Avg Combat Pred Rtng<Comb> <Residuals>
RSXPCF01	AWB F01: Tech Skill/Effort<Comb> <Residuals>
RSXPCF02	AWB F02: Integrity/Control<Comb> <Residuals>
RSXPCF03	AWB F03: Phys Fit/Bearing<Comb> <Residuals>
RSXPC11	AWB: Overall Eff<Comb> <Residuals>

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AC80CL

VARIABLE LABEL: New 1980 Area Composite-CL <New>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	79.90		
5TH PERCENTILE	84.50		
10TH PERCENTILE	88.00	MINIMUM	75.00
25TH PERCENTILE	96.00	MAXIMUM	134.00
MEDIAN	106.00	MODE	107.00
75TH PERCENTILE	115.50	MEAN	106.04
90TH PERCENTILE	125.00	STANDARD DEVIATION	13.11
95TH PERCENTILE	129.00		
99TH PERCENTILE	132.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AC80CO

VARIABLE LABEL: New 1980 Area Composite-CO

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	84.00		
5TH PERCENTILE	91.00		
10TH PERCENTILE	96.00	MINIMUM	79.00
25TH PERCENTILE	102.00	MAXIMUM	140.00
MEDIAN	110.00	MODE	115.00
75TH PERCENTILE	119.00	MEAN	110.11
90TH PERCENTILE	125.00	STANDARD DEVIATION	11.39
95TH PERCENTILE	130.00		
99TH PERCENTILE	135.30		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AC80EL

VARIABLE LABEL: New 1980 Area Composite-EL

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	78.80		
5TH PERCENTILE	84.00		
10TH PERCENTILE	88.00	MINIMUM	70.00
25TH PERCENTILE	95.00	MAXIMUM	141.00
MEDIAN	106.00	MODE	111.00
75TH PERCENTILE	115.00	MEAN	105.35
90TH PERCENTILE	123.00	STANDARD DEVIATION	13.27
95TH PERCENTILE	127.00		
99TH PERCENTILE	133.40		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AC80FA

VARIABLE LABEL: New 1980 Area Composite-FA

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	80.60		
5TH PERCENTILE	90.00		
10TH PERCENTILE	93.00	MINIMUM	77.00
25TH PERCENTILE	99.00	MAXIMUM	140.00
MEDIAN	107.00	MODE	107.00
75TH PERCENTILE	117.00	MEAN	108.17
90TH PERCENTILE	125.00	STANDARD DEVIATION	12.26
95TH PERCENTILE	130.00		
99TH PERCENTILE	134.60		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AC80GM

VARIABLE LABEL: New 1980 Area Composite-GM

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	76.90		
5TH PERCENTILE	83.00		
10TH PERCENTILE	87.00	MINIMUM	76.00
25TH PERCENTILE	97.00	MAXIMUM	144.00
MEDIAN	106.00	MODE	107.00
75TH PERCENTILE	115.00	MEAN	105.93
90TH PERCENTILE	123.00	STANDARD DEVIATION	13.37
95TH PERCENTILE	128.00		
99TH PERCENTILE	135.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AC80GT

VARIABLE LABEL: New 1980 Area Composite-GT

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	77.90		
5TH PERCENTILE	84.50		
10TH PERCENTILE	88.00	MINIMUM	74.00
25TH PERCENTILE	98.00	MAXIMUM	130.00
MEDIAN	108.00	MODE	109.00
75TH PERCENTILE	115.00	MEAN	106.65
90TH PERCENTILE	123.00	STANDARD DEVIATION	12.38
95TH PERCENTILE	126.50		
99TH PERCENTILE	129.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AC80MM

VARIABLE LABEL: New 1980 Area Composite-MM

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	76.90		
5TH PERCENTILE	88.00		
10TH PERCENTILE	93.00	MINIMUM	76.00
25TH PERCENTILE	101.00	MAXIMUM	135.00
MEDIAN	109.00	MODE	112.00
75TH PERCENTILE	116.00	MEAN	108.66
90TH PERCENTILE	124.00	STANDARD DEVIATION	11.78
95TH PERCENTILE	128.00		
99TH PERCENTILE	133.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AC800F

VARIABLE LABEL: New 1980 Area Composite-OF

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	88.00		
5TH PERCENTILE	92.50		
10TH PERCENTILE	94.00	MINIMUM	85.00
25TH PERCENTILE	102.00	MAXIMUM	134.00
MEDIAN	109.00	MODE	109.00
75TH PERCENTILE	116.00	MEAN	109.22
90TH PERCENTILE	124.00	STANDARD DEVIATION	10.27
95TH PERCENTILE	128.00		
99TH PERCENTILE	130.40		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AC80SC

VARIABLE LABEL: New 1980 Area Composite-SC <New>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	78.90		
5TH PERCENTILE	85.00		
10TH PERCENTILE	88.00	MINIMUM	75.00
25TH PERCENTILE	98.00	MAXIMUM	139.00
MEDIAN	108.00	MODE	108.00
75TH PERCENTILE	117.50	MEAN	107.97
90TH PERCENTILE	125.00	STANDARD DEVIATION	13.16
95TH PERCENTILE	129.00		
99TH PERCENTILE	135.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AC80ST

VARIABLE LABEL: New 1980 Area Composite-ST

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	77.80		
5TH PERCENTILE	83.00		
10TH PERCENTILE	86.00	MINIMUM	75.00
25TH PERCENTILE	95.00	MAXIMUM	139.00
MEDIAN	105.00	MODE	113.00
75TH PERCENTILE	114.50	MEAN	105.04
90TH PERCENTILE	124.00	STANDARD DEVIATION	13.65
95TH PERCENTILE	129.00		
99TH PERCENTILE	135.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AFQT80

VARIABLE LABEL: New 1980 AFQT Score

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	23.00		
5TH PERCENTILE	30.00		
10TH PERCENTILE	35.00	MINIMUM	22.00
25TH PERCENTILE	44.00	MAXIMUM	99.00
MEDIAN	56.00	MODE	49.00
75TH PERCENTILE	73.50	MEAN	58.92
90TH PERCENTILE	89.00	STANDARD DEVIATION	19.17
95TH PERCENTILE	93.00		
99TH PERCENTILE	99.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AQUANT

VARIABLE LABEL: ASVAB Construct: Quantitative

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of ASVAB subtest standardized scores for A1AS80MK and A1AS80AR. Both subtest scores were unit weighted.

1ST PERCENTILE	76.90		
5TH PERCENTILE	85.00		
10TH PERCENTILE	88.00	MINIMUM	76.00
25TH PERCENTILE	94.00	MAXIMUM	134.00
MEDIAN	106.00	MODE	106.00
75TH PERCENTILE	117.00	MEAN	106.07
90TH PERCENTILE	126.00	STANDARD DEVIATION	14.07
95TH PERCENTILE	130.00		
99TH PERCENTILE	134.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1ASPEED

VARIABLE LABEL: ASVAB Construct: Speed

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of ASVAB subtest standardized scores for A1AS80CS and A1AS80NO. Both subtest scores were unit weighted.

1ST PERCENTILE	84.90		
5TH PERCENTILE	92.00		
10TH PERCENTILE	97.00	MINIMUM	83.00
25TH PERCENTILE	104.00	MAXIMUM	133.00
MEDIAN	110.00	MODE	119.00
75TH PERCENTILE	117.00	MEAN	110.03
90TH PERCENTILE	122.00	STANDARD DEVIATION	9.74
95TH PERCENTILE	126.00		
99TH PERCENTILE	132.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1ASVBFM

VARIABLE LABEL: ASVAB Form

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 2

Form codes that end with "D" indicates that ASVAB source came from DMDC and no test version code for the ASVAB form was available.

VALUE:MEANING	FREQUENCY	PERCENT
0A: FORM 10A	59	20.42
0B: FORM 10B	46	15.92
0D: FORM 10	5	1.73
0X: 10A SCRAMBLED	23	7.96
0Y: 10B SCRAMBLED	31	10.73
5R: FORM 5 RECOMPUTE	33	11.42
8A: FORM 8A	2	0.69
8B: FORM 8B	2	0.69
8D: FORM 8	2	0.69
9A: FORM 9A	45	15.57
9B: FORM 9B	32	11.07
9D: FORM 9	6	2.08
9S: 9A RETEST	3	1.04

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AS80AR

VARIABLE LABEL: New 1980 Stdz ASVAB Subtest-AR

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	37.80		
5TH PERCENTILE	42.00		
10TH PERCENTILE	43.00	MINIMUM	34.00
25TH PERCENTILE	49.00	MAXIMUM	66.00
MEDIAN	54.00	MODE	54.00
75TH PERCENTILE	59.00	MEAN	53.97
90TH PERCENTILE	64.00	STANDARD DEVIATION	7.24
95TH PERCENTILE	65.00		
99TH PERCENTILE	66.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AS80AS

VARIABLE LABEL: New 1980 Stdz ASVAB Subtest-AS

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	38.80		
5TH PERCENTILE	40.00		
10TH PERCENTILE	44.00	MINIMUM	33.00
25TH PERCENTILE	48.50	MAXIMUM	69.00
MEDIAN	55.00	MODE	60.00
75TH PERCENTILE	60.00	MEAN	54.67
90TH PERCENTILE	66.00	STANDARD DEVIATION	8.00
95TH PERCENTILE	67.00		
99TH PERCENTILE	69.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AS80CS

VARIABLE LABEL: New 1980 Stdz ASVAB Subtest-CS

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	41.90		
5TH PERCENTILE	45.00		
10TH PERCENTILE	47.00	MINIMUM	38.00
25TH PERCENTILE	50.50	MAXIMUM	72.00
MEDIAN	54.00	MODE	54.00
75TH PERCENTILE	58.00	MEAN	54.66
90TH PERCENTILE	62.00	STANDARD DEVIATION	6.01
95TH PERCENTILE	66.00		
99TH PERCENTILE	71.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AS80EI

VARIABLE LABEL: New 1980 Stdz ASVAB Subtest-EI

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	26.80		
5TH PERCENTILE	38.00		
10TH PERCENTILE	42.00	MINIMUM	23.00
25TH PERCENTILE	46.00	MAXIMUM	70.00
MEDIAN	52.00	MODE	53.00
75TH PERCENTILE	56.00	MEAN	51.45
90TH PERCENTILE	60.00	STANDARD DEVIATION	7.89
95TH PERCENTILE	64.00		
99TH PERCENTILE	68.20		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AS80GS

VARIABLE LABEL: New 1980 Stdz ASVAB Subtest-GS

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	35.60		
5TH PERCENTILE	39.00		
10TH PERCENTILE	42.00	MINIMUM	32.00
25TH PERCENTILE	46.00	MAXIMUM	68.00
MEDIAN	52.00	MODE	54.00
75TH PERCENTILE	58.00	MEAN	51.77
90TH PERCENTILE	62.00	STANDARD DEVIATION	7.61
95TH PERCENTILE	64.00		
99TH PERCENTILE	68.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AS80MC

VARIABLE LABEL: New 1980 Stdz ASVAB Subtest-MC

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	32.60		
5TH PERCENTILE	37.00		
10TH PERCENTILE	40.00	MINIMUM	29.00
25TH PERCENTILE	47.00	MAXIMUM	70.00
MEDIAN	53.00	MODE	53.00
75TH PERCENTILE	59.00	MEAN	52.71
90TH PERCENTILE	65.00	STANDARD DEVIATION	8.62
95TH PERCENTILE	67.00		
99TH PERCENTILE	70.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AS80MK

VARIABLE LABEL: New 1980 Stdz ASVAB Subtest-MK

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	37.90		
5TH PERCENTILE	40.00		
10TH PERCENTILE	41.00	MINIMUM	33.00
25TH PERCENTILE	46.00	MAXIMUM	68.00
MEDIAN	52.00	MODE	46.00
75TH PERCENTILE	58.00	MEAN	52.10
90TH PERCENTILE	63.00	STANDARD DEVIATION	7.93
95TH PERCENTILE	66.00		
99TH PERCENTILE	68.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AS80NO

VARIABLE LABEL: New 1980 Stdz ASVAB Subtest-NO

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	40.00		
5TH PERCENTILE	45.00		
10TH PERCENTILE	47.00	MINIMUM	34.00
25TH PERCENTILE	53.00	MAXIMUM	62.00
MEDIAN	56.00	MODE	62.00
75TH PERCENTILE	60.00	MEAN	55.37
90TH PERCENTILE	62.00	STANDARD DEVIATION	5.38
95TH PERCENTILE	62.00		
99TH PERCENTILE	62.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AS80PC

VARIABLE LABEL: New 1980 Stdz ASVAB Subtest-PC

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	38.00		
5TH PERCENTILE	41.00		
10TH PERCENTILE	44.00	MINIMUM	32.00
25TH PERCENTILE	50.00	MAXIMUM	62.00
MEDIAN	53.00	MODE	53.00
75TH PERCENTILE	56.00	MEAN	52.78
90TH PERCENTILE	59.00	STANDARD DEVIATION	5.71
95TH PERCENTILE	62.00		
99TH PERCENTILE	62.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AS80VE

VARIABLE LABEL: New 1980 Stdz ASVAB Subtest-VE

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	37.00		
5TH PERCENTILE	40.00		
10TH PERCENTILE	44.00	MINIMUM	37.00
25TH PERCENTILE	48.00	MAXIMUM	62.00
MEDIAN	53.00	MODE	54.00
75TH PERCENTILE	57.00	MEAN	52.12
90TH PERCENTILE	60.00	STANDARD DEVIATION	5.91
95TH PERCENTILE	61.00		
99TH PERCENTILE	62.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AS80WK

VARIABLE LABEL: New 1980 Stdz ASVAB Subtest-WK

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	34.00		
5TH PERCENTILE	40.00		
10TH PERCENTILE	43.00	MINIMUM	33.00
25TH PERCENTILE	47.00	MAXIMUM	61.00
MEDIAN	52.00	MODE	57.00
75TH PERCENTILE	57.00	MEAN	51.67
90TH PERCENTILE	60.00	STANDARD DEVIATION	6.41
95TH PERCENTILE	61.00		
99TH PERCENTILE	61.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1ATECH

VARIABLE LABEL: ASVAB Construct: Technical

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of ASVAB subtest standardized scores A1AS80AS, A1AS80MC and A1AS80EI. The A1AS80AS and A1AS80MC scores were unit weighted. The A1AS80EI score received a weight of one-half.

1ST PERCENTILE	92.30		
5TH PERCENTILE	100.25		
10TH PERCENTILE	109.00	MINIMUM	88.50
25TH PERCENTILE	122.50	MAXIMUM	174.00
MEDIAN	134.00	MODE	132.50
75TH PERCENTILE	144.50	MEAN	133.11
90TH PERCENTILE	157.00	STANDARD DEVIATION	17.29
95TH PERCENTILE	161.00		
99TH PERCENTILE	167.30		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: Accessions File

VARIABLE NAME: A1AVERBL

VARIABLE LABEL: ASVAB Construct: Verbal

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of ASVAB subtest standardized scores A1AS80VE and A1AS80GS. Both subtest scores were unit weighted.

1ST PERCENTILE	74.90		
5TH PERCENTILE	84.00		
10TH PERCENTILE	86.00	MINIMUM	69.00
25TH PERCENTILE	95.00	MAXIMUM	130.00
MEDIAN	104.00	MODE	108.00
75TH PERCENTILE	113.50	MEAN	103.89
90TH PERCENTILE	120.00	STANDARD DEVIATION	12.29
95TH PERCENTILE	123.00		
99TH PERCENTILE	128.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1BONLVL

VARIABLE LABEL: Enlistment Bonus Level

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
	16	.
B:CMBT$1501-3000	4	1.47
C:CMBT$3K-8K	2	0.73
G:CMBT$3K-5K	2	0.73
H:NCMBT$3K-5K	2	0.73
J:NCMBT$0-1500	1	0.37
K:NCMBT$1500-3000	48	17.58
L:NCMBT$3K+	1	0.37
Y:NONE_NOT_APP	213	78.02

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1EDCERT

VARIABLE LABEL: Education Certification

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
D:ASSOC_DEG	1	0.36
K:BACHELOR	3	1.09
1:NO_HS_DIPL	11	4.01
2:HS_DIPLOMA	241	87.96
3:HS_EQUIV	13	4.74
6:COMPL_NO_DIP	5	1.82

DATA ORIGIN: Accessions File

VARIABLE NAME: A1EDYRS

VARIABLE LABEL: Years of Education

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 2

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
08	1	0.36
09	3	1.09
10	6	2.19
11	14	5.11
12	229	83.58
13	9	3.28
14	6	2.19
15	2	0.73
16	4	1.46

DATA ORIGIN: Accessions File

VARIABLE NAME: A1ENLOP

VARIABLE LABEL: Enlistment Option Guaranteed

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
E:ADVGRD+LOC+TRNG	9	3.28
F:ADVGRD+TRNG	24	8.76
K:ACCEL_PRO+LOC	3	1.09
N:ACCEL_PRO+TRNG	2	0.73
S:LOCATION	2	0.73
T:TRNG+LOC	73	26.64
W:TRAINING	157	57.30
X:OTHER	2	0.73
Y:NOT_APP	2	0.73

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1ENLTRM

VARIABLE LABEL: #Years, Term of Enlistment

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
1	1	0.36
2	43	15.69
3	155	56.57
4	75	27.37

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1ENTDOP

VARIABLE LABEL: Designated Option

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
B:ENL_BONUS	74	27.01
H:ENL_SEL_TABLES	200	72.99

DATA ORIGIN: Accessions File

VARIABLE NAME: A1ENTDTE

VARIABLE LABEL: Entry Date

VARIABLE TYPE: SAS DATE (default format of YYMMDD4.)

VALUE	FREQUENCY	PERCENT
.	15	.
8109	3	1.09
8110	1	0.36
8208	1	0.36
8209	1	0.36
8210	1	0.36
8301	3	1.09
8302	1	0.36
8303	3	1.09
8305	2	0.73
8306	4	1.46
8307	7	2.55
8308	10	3.65
8309	12	4.38
8310	13	4.74
8311	35	12.77
8312	18	6.57
8401	33	12.04
8402	38	13.87

VALUE	FREQUENCY	PERCENT
8403	29	10.58
8404	6	2.19
8405	20	7.30
8406	8	2.92
8407	7	2.55
8408	10	3.65
8409	8	2.92

DATA ORIGIN: Accessions File

VARIABLE NAME: A1ENTOP1

VARIABLE LABEL: Enlisted Option

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 3

VALUE:MEANING	FREQUENCY	PERCENT
	16	.
ABN:OPTION 9-4	28	10.26
EWC:OPTION 9-25	1	0.37
REO:OPTION 9-23	1	0.37
SOC:OPTION 9-19	56	20.51
SUE:OPTION 9-18	2	0.73
TOC:OPTION 9-3	146	53.48
TWO:OPTION 9-26	38	13.92
UOC:OPTION 9-13	1	0.37

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1ENTPRG

VARIABLE LABEL: Program for Which Enlisted

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
A:2YR VEAP $8K	38	13.87
B:3YR VEAP $12K	64	23.36
C:4YR VEAP $12K	70	25.55
0:NOVEAP&NOEURO	1	0.36
3:VEAP&EUROPE	1	0.36
5:NO_VEAP	100	36.50

DATA ORIGIN: Accessions File

VARIABLE NAME: A1FM5FLG

VARIABLE LABEL: ASVAB: Form 5 Flag

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

This flag indicates that soldiers took the ASVAB Form 5 and that their ASVAB scores were recomputed to be like those of Forms 8/9/10.

VALUE:MEANING	FREQUENCY	PERCENT
N	256	88.58
Y	33	11.42

DATA ORIGIN: Accessions File

VARIABLE NAME: A1HGT

VARIABLE LABEL: Height

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	61.00		
5TH PERCENTILE	63.00		
10TH PERCENTILE	64.00	MINIMUM	60.00
25TH PERCENTILE	66.00	MAXIMUM	77.00
MEDIAN	69.00	MODE	69.00
75TH PERCENTILE	70.00	MEAN	68.39
90TH PERCENTILE	72.00	STANDARD DEVIATION	3.00
95TH PERCENTILE	73.00		
99TH PERCENTILE	76.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	274
NUMBER OF CASES WITH MISSING VALUES	15
PERCENT OF CASES WITH MISSING VALUES	5.19

DATA ORIGIN: Accessions File

VARIABLE NAME: A1MCAT80

VARIABLE LABEL: New 1980 Mental Category

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 2

VALUE:MEANING	FREQUENCY	PERCENT
1	16	5.54
2	92	31.83
3A	76	26.30
3B	90	31.14
4A	15	5.19

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1MEDFL1

VARIABLE LABEL: Medical Failure Code

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 2

VALUE:MEANING	FREQUENCY	PERCENT
	288	.
28:LUNGS&CHEST	1	100.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1MORWVR

VARIABLE LABEL: Reason for Moral Waiver

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
A:MNR_TRFC_OFF	2	0.73
B:MNR_NTRFC_OFF	1	0.36
C:MNR_NTFC_OFF3+	3	1.09
D:MISDEMEANOR	29	10.58
X:OTHER	2	0.73
Y:NOT_APP	237	86.50

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1PULHE1

VARIABLE LABEL: PULHES Factor--Physical Stamina

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
1:NO LIMITATIONS	273	99.64
3:SIGN. LIMIT.	1	0.36

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1PULHE2

VARIABLE LABEL: PULHES Factor--Upper Extremities

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
1:NO LIMITATIONS	274	100.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1PULHE3

VARIABLE LABEL: PULHES Factor--Lower Extremities

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
1:NO LIMITATIONS	272	99.27
2:NO SIGN. LIMIT	2	0.73

DATA ORIGIN: Accessions File

VARIABLE NAME: A1PULHE4

VARIABLE LABEL: PULHES Factor--Hearing

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
1:NO LIMITATIONS	272	99.27
2:NO SIGN. LIMIT	2	0.73

DATA ORIGIN: Accessions File

VARIABLE NAME: A1PULHE5

VARIABLE LABEL: PULHES Factor--Eyes

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
1:NO LIMITATIONS	208	75.91
2:NO SIGN. LIMIT	66	24.09

DATA ORIGIN: Accessions File

VARIABLE NAME: A1PULHE6

VARIABLE LABEL: PULHES Factor--Psychiatric

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
1:NO LIMITATIONS	274	100.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1PULHE7

VARIABLE LABEL: PULHES Factor--Exp Weightlift

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

LRDB has no information on some of the codes for this variable.

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
E	65	23.72
F	1	0.36
H	1	0.36
J	2	0.73
K	4	1.46
L	1	0.36
M	6	2.19
N	6	2.19
P	73	26.64
0:NO FINAL DETERMININATION	109	39.78
1:NO LIMITATIONS	5	1.82
2:NO SIGN. LIMIT	1	0.36

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: Accessions File

VARIABLE NAME: A1WAIVER

VARIABLE LABEL: Waiver Type

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
D:MORAL_QUAL	35	12.77
H:PHYS_QUAL	1	0.36
P:PAY_GRADE	1	0.36
Y:NOT_APP	237	86.50

DATA ORIGIN: Accessions File

VARIABLE NAME: A1WAPLVL

VARIABLE LABEL: Waiver Approval Level

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
	15	.
A:CDR_EEA	1	0.36
B:CDR_USAREC	1	0.36
D:CDR_DRC	32	11.68
E:AREA_CDR	3	1.09
X:OTHER	1	0.36
Y:NOT_APP	236	86.13

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CCCPAC

VARIABLE LABEL: Computer Construct: Complex Perc Accy

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for B3CSSMHT, B3CSPSHT and B3CSTIHT. All three test scores were unit weighted.

1ST PERCENTILE	79.58		
5TH PERCENTILE	114.46		
10TH PERCENTILE	127.99	MINIMUM	34.67
25TH PERCENTILE	144.72	MAXIMUM	188.90
MEDIAN	156.80	MODE	177.92
75TH PERCENTILE	167.39	MEAN	153.97
90TH PERCENTILE	177.81	STANDARD DEVIATION	20.96
95TH PERCENTILE	181.11		
99TH PERCENTILE	185.59		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CCCPSP

VARIABLE LABEL: Computer Construct: Complx Perc Spd <R>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for B3CSSMDT, B3CSPSDT and B3CSTIDT. All three test scores were unit weighted.
LRDB has reversed scoring of this construct so that a high score denotes superior performance.

1ST PERCENTILE	-110.9		
5TH PERCENTILE	-82.34		
10TH PERCENTILE	-71.97	MINIMUM	-114.40
25TH PERCENTILE	-59.33	MAXIMUM	6.12
MEDIAN	-43.21	MODE	-114.40
75TH PERCENTILE	-25.55	MEAN	-44.33
90TH PERCENTILE	-16.58	STANDARD DEVIATION	22.62
95TH PERCENTILE	-9.53		
99TH PERCENTILE	-2.61		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CCNMSA

VARIABLE LABEL: Computer Construct: Num. Speed/Acc. <R>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for B3CSNMHT, B3CSNMIN, B3CSNMOP and B3CSNMDT. The B3CSNMHT score was reversed before it was combined with the other three test scores. All four test scores then were unit weighted. LRDB has reversed scoring of this construct so that a high score denotes superior performance.

1ST PERCENTILE	-151.3		
5TH PERCENTILE	-129.2		
10TH PERCENTILE	-118.1	MINIMUM	-205.65
25TH PERCENTILE	-100.4	MAXIMUM	-38.19
MEDIAN	-84.18	MODE	-205.65
75TH PERCENTILE	-68.76	MEAN	-86.54
90TH PERCENTILE	-60.27	STANDARD DEVIATION	23.74
95TH PERCENTILE	-53.38		
99TH PERCENTILE	-46.37		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CCPSYM

VARIABLE LABEL: Computer Construct: Psychomotor <R>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for B3CSCSTS, B3CSTSDT, B3CSTSDL, B3CST1DL, B3CST2DL and B3CSRTMT. All six test scores were unit weighted.
LRDB has reversed scoring of this construct so that a high score denotes superior performance.

1ST PERCENTILE	-292.3		
5TH PERCENTILE	-248.2		
10TH PERCENTILE	-235.4	MINIMUM	-324.33
25TH PERCENTILE	-212.6	MAXIMUM	-111.27
MEDIAN	-187.9	MODE	-324.33
75TH PERCENTILE	-166.4	MEAN	-190
90TH PERCENTILE	-141.9	STANDARD DEVIATION	36.37
95TH PERCENTILE	-130.6		
99TH PERCENTILE	-113.6		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CCSRAC

VARIABLE LABEL: Computer Construct: Simp. React. Acc.

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for B3CSCRHT and B3CSSRHT. Both test scores were unit weighted.

1ST PERCENTILE	37.69		
5TH PERCENTILE	75.72		
10TH PERCENTILE	81.98	MINIMUM	-5.05
25TH PERCENTILE	98.01	MAXIMUM	108.26
MEDIAN	108.26	MODE	108.26
75TH PERCENTILE	108.26	MEAN	100.00
90TH PERCENTILE	108.26	STANDARD DEVIATION	14.63
95TH PERCENTILE	108.26		
99TH PERCENTILE	108.26		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CCSRSP

VARIABLE LABEL: Computer Construct: Smp. React. Spd <R>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

This construct score is a composite of the standardized scores for B3CSCRDT and B3CSSRDT. Both test scores were unit weighted. LRDB has reversed scoring of this construct so that a high score denotes superior performance.

1ST PERCENTILE	-55.61		
5TH PERCENTILE	-22.85		
10TH PERCENTILE	-11.87	MINIMUM	-69.03
25TH PERCENTILE	-2.63	MAXIMUM	21.67
MEDIAN	4.47	MODE	-69.03
75TH PERCENTILE	9.91	MEAN	2.03
90TH PERCENTILE	13.91	STANDARD DEVIATION	12.62
95TH PERCENTILE	16.38		
99TH PERCENTILE	19.75		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSCRDT

VARIABLE LABEL: CRT: Mean of Trimmed Decision Time

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	27.45		
5TH PERCENTILE	30.28		
10TH PERCENTILE	31.41	MINIMUM	25.90
25TH PERCENTILE	34.30	MAXIMUM	91.00
MEDIAN	38.50	MODE	34.07
75TH PERCENTILE	43.82	MEAN	39.85
90TH PERCENTILE	49.82	STANDARD DEVIATION	8.30
95TH PERCENTILE	53.05		
99TH PERCENTILE	75.77		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSCRHT

VARIABLE LABEL: CRT: Mean Hit Rate

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.85		
5TH PERCENTILE	0.93		
10TH PERCENTILE	0.97	MINIMUM	0.72
25TH PERCENTILE	0.97	MAXIMUM	1.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	1.00	MEAN	0.98
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.03
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSCSTS

VARIABLE LABEL: CS: Mean Abs. Time Discrep

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	25.56		
5TH PERCENTILE	30.96		
10TH PERCENTILE	33.11	MINIMUM	21.36
25TH PERCENTILE	36.72	MAXIMUM	94.44
MEDIAN	41.69	MODE	37.03
75TH PERCENTILE	46.28	MEAN	42.35
90TH PERCENTILE	51.83	STANDARD DEVIATION	8.57
95TH PERCENTILE	56.36		
99TH PERCENTILE	73.38		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSNMDT

VARIABLE LABEL: NUM: Mean for Final Response

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	78.96		
5TH PERCENTILE	92.71		
10TH PERCENTILE	102.56	MINIMUM	66.00
25TH PERCENTILE	116.81	MAXIMUM	359.31
MEDIAN	137.30	MODE	101.41
75TH PERCENTILE	165.16	MEAN	143.70
90TH PERCENTILE	192.96	STANDARD DEVIATION	37.78
95TH PERCENTILE	208.66		
99TH PERCENTILE	257.99		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSNMHT

VARIABLE LABEL: NUM: Mean Hit Rate

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	99.00		
5TH PERCENTILE	99.00		
10TH PERCENTILE	99.00	MINIMUM	99.00
25TH PERCENTILE	99.04	MAXIMUM	99.41
MEDIAN	99.07	MODE	99.00
75TH PERCENTILE	99.12	MEAN	99.08
90TH PERCENTILE	99.19	STANDARD DEVIATION	0.08
95TH PERCENTILE	99.24		
99TH PERCENTILE	99.39		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSNMIN

VARIABLE LABEL: NUM: Mean for Initial Input

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	67.51		
5TH PERCENTILE	75.25		
10TH PERCENTILE	85.70	MINIMUM	58.13
25TH PERCENTILE	99.17	MAXIMUM	260.04
MEDIAN	118.44	MODE	98.16
75TH PERCENTILE	146.02	MEAN	126.02
90TH PERCENTILE	174.95	STANDARD DEVIATION	37.64
95TH PERCENTILE	209.30		
99TH PERCENTILE	240.81		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSNMOP

VARIABLE LABEL: NUM: Pooled Mean Operation Time

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	68.06		
5TH PERCENTILE	104.32		
10TH PERCENTILE	116.45	MINIMUM	58.81
25TH PERCENTILE	150.34	MAXIMUM	419.11
MEDIAN	192.47	MODE	58.81
75TH PERCENTILE	238.58	MEAN	198.83
90TH PERCENTILE	289.12	STANDARD DEVIATION	66.76
95TH PERCENTILE	321.70		
99TH PERCENTILE	402.30		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSPSDT

VARIABLE LABEL: PSA: Mean of Trimmed Decision Time

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	90.40		
5TH PERCENTILE	121.20		
10TH PERCENTILE	144.93	MINIMUM	63.75
25TH PERCENTILE	173.85	MAXIMUM	381.21
MEDIAN	222.63	MODE	63.75
75TH PERCENTILE	261.85	MEAN	219.97
90TH PERCENTILE	298.58	STANDARD DEVIATION	60.23
95TH PERCENTILE	318.87		
99TH PERCENTILE	375.45		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSPSHT

VARIABLE LABEL: PSA: Mean Hit Rate

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.61		
5TH PERCENTILE	0.74		
10TH PERCENTILE	0.77	MINIMUM	0.57
25TH PERCENTILE	0.83	MAXIMUM	1.00
MEDIAN	0.89	MODE	0.89
75TH PERCENTILE	0.94	MEAN	0.88
90TH PERCENTILE	0.97	STANDARD DEVIATION	0.08
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSRTMT

VARIABLE LABEL: Pooled Mean Movement Time

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	16.95		
5TH PERCENTILE	21.31		
10TH PERCENTILE	23.10	MINIMUM	15.81
25TH PERCENTILE	25.89	MAXIMUM	56.99
MEDIAN	29.44	MODE	15.81
75TH PERCENTILE	34.54	MEAN	30.69
90TH PERCENTILE	39.70	STANDARD DEVIATION	6.92
95TH PERCENTILE	44.62		
99TH PERCENTILE	53.33		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSSMDT

VARIABLE LABEL: MEM: Mean of Trimmed Decision Time

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	47.81		
5TH PERCENTILE	55.87		
10TH PERCENTILE	59.14	MINIMUM	42.53
25TH PERCENTILE	68.41	MAXIMUM	188.73
MEDIAN	80.31	MODE	69.73
75TH PERCENTILE	97.77	MEAN	85.24
90TH PERCENTILE	119.03	STANDARD DEVIATION	23.72
95TH PERCENTILE	132.55		
99TH PERCENTILE	152.33		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSSMHT

VARIABLE LABEL: MEM: Mean Hit Rate

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.56		
5TH PERCENTILE	0.80		
10TH PERCENTILE	0.83	MINIMUM	0.53
25TH PERCENTILE	0.86	MAXIMUM	1.00
MEDIAN	0.92	MODE	0.92
75TH PERCENTILE	0.94	MEAN	0.90
90TH PERCENTILE	0.97	STANDARD DEVIATION	0.07
95TH PERCENTILE	0.97		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSSRDT

VARIABLE LABEL: SRT: Mean of Trimmed Decision Time

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	22.17		
5TH PERCENTILE	23.18		
10TH PERCENTILE	24.00	MINIMUM	20.79
25TH PERCENTILE	26.00	MAXIMUM	142.42
MEDIAN	28.43	MODE	28.07
75TH PERCENTILE	31.57	MEAN	30.53
90TH PERCENTILE	37.43	STANDARD DEVIATION	10.17
95TH PERCENTILE	43.46		
99TH PERCENTILE	71.55		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSSRHT

VARIABLE LABEL: SRT: Mean Hit Rate

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.78		
5TH PERCENTILE	0.86		
10TH PERCENTILE	0.93	MINIMUM	0.71
25TH PERCENTILE	1.00	MAXIMUM	1.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	1.00	MEAN	0.98
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.04
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSTIDT

VARIABLE LABEL: TARGET: Mean of Trimmed Decision Time

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	79.39		
5TH PERCENTILE	102.34		
10TH PERCENTILE	115.18	MINIMUM	76.50
25TH PERCENTILE	139.70	MAXIMUM	394.78
MEDIAN	174.19	MODE	121.00
75TH PERCENTILE	218.89	MEAN	181.54
90TH PERCENTILE	262.49	STANDARD DEVIATION	57.89
95TH PERCENTILE	291.81		
99TH PERCENTILE	370.21		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSTIHT

VARIABLE LABEL: TARGET: Mean Hit Rate

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.66		
5TH PERCENTILE	0.78		
10TH PERCENTILE	0.83	MINIMUM	0.64
25TH PERCENTILE	0.89	MAXIMUM	1.00
MEDIAN	0.94	MODE	0.94
75TH PERCENTILE	0.97	MEAN	0.91
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.07
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSTSDL

VARIABLE LABEL: TARGET SHOOT - Mean Log (Dist + 1)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.77		
5TH PERCENTILE	1.89		
10TH PERCENTILE	1.94	MINIMUM	1.73
25TH PERCENTILE	2.03	MAXIMUM	3.60
MEDIAN	2.15	MODE	1.73
75TH PERCENTILE	2.27	MEAN	2.17
90TH PERCENTILE	2.41	STANDARD DEVIATION	0.20
95TH PERCENTILE	2.50		
99TH PERCENTILE	2.81		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CSTSDT

VARIABLE LABEL: TARGET SHOOT - Mean Time to Fire

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	139.30		
5TH PERCENTILE	159.55		
10TH PERCENTILE	166.67	MINIMUM	133.07
25TH PERCENTILE	188.83	MAXIMUM	368.76
MEDIAN	219.00	MODE	201.13
75TH PERCENTILE	251.99	MEAN	224.01
90TH PERCENTILE	289.80	STANDARD DEVIATION	46.52
95TH PERCENTILE	317.14		
99TH PERCENTILE	341.70		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CST1DL

VARIABLE LABEL: TARGET TRACKING 1 - Mean Log (Dist + 1)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.14		
5TH PERCENTILE	2.28		
10TH PERCENTILE	2.40	MINIMUM	2.08
25TH PERCENTILE	2.60	MAXIMUM	4.33
MEDIAN	2.86	MODE	2.08
75TH PERCENTILE	3.25	MEAN	2.94
90TH PERCENTILE	3.62	STANDARD DEVIATION	0.46
95TH PERCENTILE	3.85		
99TH PERCENTILE	4.14		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3CST2DL

VARIABLE LABEL: TARGET TRACKING 2 - Mean Log (Dist + 1)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.60		
5TH PERCENTILE	2.80		
10TH PERCENTILE	2.94	MINIMUM	2.30
25TH PERCENTILE	3.31	MAXIMUM	4.73
MEDIAN	3.68	MODE	2.30
75TH PERCENTILE	4.03	MEAN	3.66
90TH PERCENTILE	4.38	STANDARD DEVIATION	0.50
95TH PERCENTILE	4.48		
99TH PERCENTILE	4.67		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ICAUDI

VARIABLE LABEL: AVOICE Construct: Audiovisual Arts

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for B3ISDRAF, B3ISAUDI and B3ISAEST. All three scale scores were unit weighted.

1ST PERCENTILE	91.11		
5TH PERCENTILE	117.78		
10TH PERCENTILE	125.03	MINIMUM	85.71
25TH PERCENTILE	140.82	MAXIMUM	208.99
MEDIAN	156.38	MODE	172.55
75TH PERCENTILE	171.02	MEAN	155.28
90TH PERCENTILE	183.52	STANDARD DEVIATION	22.79
95TH PERCENTILE	191.94		
99TH PERCENTILE	206.61		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ICCOMB

VARIABLE LABEL: AVOICE Construct: Combat Related

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for B3ISCOMB, B3ISINDI and B3ISARMS. All three scale scores were unit weighted.

1ST PERCENTILE	82.24		
5TH PERCENTILE	102.37		
10TH PERCENTILE	111.47	MINIMUM	75.71
25TH PERCENTILE	129.20	MAXIMUM	209.71
MEDIAN	148.47	MODE	143.33
75TH PERCENTILE	163.29	MEAN	146.19
90TH PERCENTILE	178.54	STANDARD DEVIATION	25.66
95TH PERCENTILE	186.60		
99TH PERCENTILE	205.09		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ICFSER

VARIABLE LABEL: AVOICE Construct: Food Service

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for B3ISFSRP and B3ISFSRE. Both scale scores were unit weighted.

1ST PERCENTILE	71.01		
5TH PERCENTILE	74.09		
10TH PERCENTILE	80.24	MINIMUM	71.01
25TH PERCENTILE	86.39	MAXIMUM	152.33
MEDIAN	97.32	MODE	89.46
75TH PERCENTILE	108.60	MEAN	99.04
90TH PERCENTILE	121.07	STANDARD DEVIATION	16.63
95TH PERCENTILE	131.23		
99TH PERCENTILE	147.87		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ICMACH

VARIABLE LABEL: AVOICE Construct: Structural/Machines

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for B3ISMECH, B3ISCONS, B3ISELEC, and B3ISVEHI. All four scale scores were unit weighted.

1ST PERCENTILE	112.20		
5TH PERCENTILE	142.59		
10TH PERCENTILE	150.63	MINIMUM	107.60
25TH PERCENTILE	173.01	MAXIMUM	277.00
MEDIAN	198.10	MODE	202.55
75TH PERCENTILE	217.35	MEAN	195.56
90TH PERCENTILE	238.50	STANDARD DEVIATION	32.73
95TH PERCENTILE	248.05		
99TH PERCENTILE	265.49		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ICPSER

VARIABLE LABEL: AVOICE Construct: Protective Services

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for B3ISLAWE and B3ISFIRE. Both scale scores were unit weighted.

1ST PERCENTILE	57.57		
5TH PERCENTILE	65.85		
10TH PERCENTILE	73.34	MINIMUM	56.35
25TH PERCENTILE	83.55	MAXIMUM	140.64
MEDIAN	95.77	MODE	93.06
75TH PERCENTILE	106.64	MEAN	95.72
90TH PERCENTILE	118.91	STANDARD DEVIATION	17.16
95TH PERCENTILE	124.67		
99TH PERCENTILE	136.83		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ICTECH

VARIABLE LABEL: AVOICE Construct: Skilled Technical

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for B3ISCLER, B3ISMSER, B3ISLEAD, B3ISCIE, B3ISCOMP, B3ISMATH and B3ISECOM. All seven scale scores were unit weighted.

1ST PERCENTILE	237.82		
5TH PERCENTILE	296.36		
10TH PERCENTILE	306.95	MINIMUM	194.87
25TH PERCENTILE	335.29	MAXIMUM	475.82
MEDIAN	364.11	MODE	194.87
75TH PERCENTILE	393.58	MEAN	364.22
90TH PERCENTILE	420.52	STANDARD DEVIATION	44.71
95TH PERCENTILE	443.33		
99TH PERCENTILE	474.06		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISAEST

VARIABLE LABEL: AVOICE Scale 15: Aesthetics

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.00		
5TH PERCENTILE	8.00		
10TH PERCENTILE	10.00	MINIMUM	5.00
25TH PERCENTILE	12.00	MAXIMUM	25.00
MEDIAN	15.00	MODE	15.00
75TH PERCENTILE	17.00	MEAN	14.67
90TH PERCENTILE	20.00	STANDARD DEVIATION	3.98
95TH PERCENTILE	22.00		
99TH PERCENTILE	24.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISARMS

VARIABLE LABEL: AVOICE Scale 11: Firearms Enthusiast

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	7.00		
5TH PERCENTILE	9.00		
10TH PERCENTILE	13.00	MINIMUM	7.00
25TH PERCENTILE	18.00	MAXIMUM	35.00
MEDIAN	22.00	MODE	23.00
75TH PERCENTILE	26.00	MEAN	21.76
90TH PERCENTILE	30.00	STANDARD DEVIATION	6.33
95TH PERCENTILE	31.50		
99TH PERCENTILE	34.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISAUDI

VARIABLE LABEL: AVOICE Scale 14: Audiographics

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	7.90		
5TH PERCENTILE	11.50		
10TH PERCENTILE	14.00	MINIMUM	5.00
25TH PERCENTILE	17.00	MAXIMUM	25.00
MEDIAN	19.00	MODE	20.00
75TH PERCENTILE	22.00	MEAN	18.99
90TH PERCENTILE	24.00	STANDARD DEVIATION	3.89
95TH PERCENTILE	25.00		
99TH PERCENTILE	25.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISCLER

VARIABLE LABEL: AVOICE Scale 01: Clerical/Administrative

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	17.60		
5TH PERCENTILE	25.50		
10TH PERCENTILE	30.00	MINIMUM	14.00
25TH PERCENTILE	36.00	MAXIMUM	67.00
MEDIAN	42.00	MODE	41.00
75TH PERCENTILE	48.00	MEAN	41.84
90TH PERCENTILE	54.00	STANDARD DEVIATION	9.57
95TH PERCENTILE	59.00		
99TH PERCENTILE	65.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISCOMB

VARIABLE LABEL: AVOICE Scale 05: Combat

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	10.00		
5TH PERCENTILE	12.50		
10TH PERCENTILE	15.00	MINIMUM	10.00
25TH PERCENTILE	19.00	MAXIMUM	50.00
MEDIAN	25.00	MODE	26.00
75TH PERCENTILE	31.00	MEAN	25.21
90TH PERCENTILE	35.00	STANDARD DEVIATION	7.89
95TH PERCENTILE	38.00		
99TH PERCENTILE	44.20		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISCOMP

VARIABLE LABEL: AVOICE Scale 16: Computers

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.90		
5TH PERCENTILE	9.00		
10TH PERCENTILE	11.00	MINIMUM	4.00
25TH PERCENTILE	14.00	MAXIMUM	20.00
MEDIAN	16.00	MODE	16.00
75TH PERCENTILE	18.00	MEAN	15.56
90TH PERCENTILE	20.00	STANDARD DEVIATION	3.31
95TH PERCENTILE	20.00		
99TH PERCENTILE	20.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISCONS

VARIABLE LABEL: AVOICE Scale 03: Heavy Construction

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	14.90		
5TH PERCENTILE	20.50		
10TH PERCENTILE	23.00	MINIMUM	13.00
25TH PERCENTILE	30.50	MAXIMUM	62.00
MEDIAN	38.00	MODE	43.00
75TH PERCENTILE	43.50	MEAN	37.24
90TH PERCENTILE	51.00	STANDARD DEVIATION	10.13
95TH PERCENTILE	54.50		
99TH PERCENTILE	60.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISDRAF

VARIABLE LABEL: AVOICE Scale 13: Drafting

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	7.00		
5TH PERCENTILE	11.00		
10TH PERCENTILE	13.00	MINIMUM	6.00
25TH PERCENTILE	16.00	MAXIMUM	30.00
MEDIAN	20.00	MODE	22.00
75TH PERCENTILE	23.00	MEAN	19.86
90TH PERCENTILE	27.00	STANDARD DEVIATION	5.20
95TH PERCENTILE	29.00		
99TH PERCENTILE	30.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISECOM

VARIABLE LABEL: AVOICE Scale 19: Electronic Communicatn

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.00		
5TH PERCENTILE	11.00		
10TH PERCENTILE	14.00	MINIMUM	6.00
25TH PERCENTILE	17.00	MAXIMUM	30.00
MEDIAN	21.00	MODE	21.00
75TH PERCENTILE	24.00	MEAN	20.32
90TH PERCENTILE	26.00	STANDARD DEVIATION	4.93
95TH PERCENTILE	28.00		
99TH PERCENTILE	30.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISELEC

VARIABLE LABEL: AVOICE Scale 04: Electronics

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	14.90		
5TH PERCENTILE	21.00		
10TH PERCENTILE	25.00	MINIMUM	13.00
25TH PERCENTILE	33.00	MAXIMUM	60.00
MEDIAN	41.00	MODE	41.00
75TH PERCENTILE	48.00	MEAN	40.07
90TH PERCENTILE	54.00	STANDARD DEVIATION	10.67
95TH PERCENTILE	57.00		
99TH PERCENTILE	60.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISFIRE

VARIABLE LABEL: AVOICE Scale 21: Fire Protection

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	3.00	MINIMUM	2.00
25TH PERCENTILE	4.00	MAXIMUM	10.00
MEDIAN	6.00	MODE	6.00
75TH PERCENTILE	7.00	MEAN	5.73
90TH PERCENTILE	8.00	STANDARD DEVIATION	1.97
95TH PERCENTILE	10.00		
99TH PERCENTILE	10.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISFSRE

VARIABLE LABEL: AVOICE Scale 17: Food Service Employee

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	3.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.00	MINIMUM	3.00
25TH PERCENTILE	3.00	MAXIMUM	11.00
MEDIAN	5.00	MODE	3.00
75TH PERCENTILE	6.00	MEAN	4.99
90TH PERCENTILE	8.00	STANDARD DEVIATION	2.02
95TH PERCENTILE	9.00		
99TH PERCENTILE	11.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISFSRP

VARIABLE LABEL: AVOICE Scale 10: Food Service Prof

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	8.00		
5TH PERCENTILE	10.00		
10TH PERCENTILE	13.00	MINIMUM	8.00
25TH PERCENTILE	16.00	MAXIMUM	36.00
MEDIAN	20.00	MODE	20.00
75TH PERCENTILE	24.00	MEAN	20.04
90TH PERCENTILE	28.00	STANDARD DEVIATION	5.86
95TH PERCENTILE	30.00		
99TH PERCENTILE	36.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISINDI

VARIABLE LABEL: AVOICE Scale 07: Rugged Individualism

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	21.60		
5TH PERCENTILE	31.00		
10TH PERCENTILE	37.00	MINIMUM	18.00
25TH PERCENTILE	46.00	MAXIMUM	75.00
MEDIAN	53.00	MODE	57.00
75TH PERCENTILE	60.50	MEAN	52.74
90TH PERCENTILE	69.00	STANDARD DEVIATION	11.50
95TH PERCENTILE	71.00		
99TH PERCENTILE	74.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISLAWE

VARIABLE LABEL: AVOICE Scale 09: Law Enforcement

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	8.00		
5TH PERCENTILE	11.00		
10TH PERCENTILE	13.00	MINIMUM	8.00
25TH PERCENTILE	18.00	MAXIMUM	40.00
MEDIAN	23.00	MODE	20.00
75TH PERCENTILE	28.00	MEAN	22.96
90TH PERCENTILE	32.00	STANDARD DEVIATION	7.02
95TH PERCENTILE	35.50		
99TH PERCENTILE	39.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISLEAD

VARIABLE LABEL: AVOICE Scale 08: Leadership/Guidance

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	20.70		
5TH PERCENTILE	28.50		
10TH PERCENTILE	31.00	MINIMUM	16.00
25TH PERCENTILE	37.00	MAXIMUM	60.00
MEDIAN	42.00	MODE	43.00
75TH PERCENTILE	47.00	MEAN	41.82
90TH PERCENTILE	52.00	STANDARD DEVIATION	8.08
95TH PERCENTILE	55.00		
99TH PERCENTILE	60.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISMATH

VARIABLE LABEL: AVOICE Scale 18: Mathematics

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	3.00		
5TH PERCENTILE	5.00		
10TH PERCENTILE	6.00	MINIMUM	3.00
25TH PERCENTILE	8.00	MAXIMUM	15.00
MEDIAN	10.00	MODE	9.00
75TH PERCENTILE	12.00	MEAN	10.09
90TH PERCENTILE	14.00	STANDARD DEVIATION	2.94
95TH PERCENTILE	15.00		
99TH PERCENTILE	15.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISMECH

VARIABLE LABEL: AVOICE Scale 02: Mechanics

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	11.90		
5TH PERCENTILE	15.00		
10TH PERCENTILE	18.00	MINIMUM	10.00
25TH PERCENTILE	24.00	MAXIMUM	50.00
MEDIAN	31.00	MODE	27.00
75TH PERCENTILE	38.50	MEAN	31.08
90TH PERCENTILE	44.00	STANDARD DEVIATION	9.39
95TH PERCENTILE	47.00		
99TH PERCENTILE	49.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISMSER

VARIABLE LABEL: AVOICE Scale 06: Medical Services

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	15.90		
5TH PERCENTILE	21.00		
10TH PERCENTILE	25.00	MINIMUM	14.00
25TH PERCENTILE	31.00	MAXIMUM	60.00
MEDIAN	37.00	MODE	35.00
75TH PERCENTILE	43.00	MEAN	36.85
90TH PERCENTILE	50.00	STANDARD DEVIATION	9.30
95TH PERCENTILE	52.50		
99TH PERCENTILE	58.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISSCIE

VARIABLE LABEL: AVOICE Scale 12: Science/Chemical

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.90		
5TH PERCENTILE	8.00		
10TH PERCENTILE	10.00	MINIMUM	6.00
25TH PERCENTILE	13.00	MAXIMUM	30.00
MEDIAN	17.00	MODE	14.00
75TH PERCENTILE	21.00	MEAN	17.17
90TH PERCENTILE	24.00	STANDARD DEVIATION	5.34
95TH PERCENTILE	26.00		
99TH PERCENTILE	30.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISSHIP

VARIABLE LABEL: AVOICE Scale 20: Shipment

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	4.00	MINIMUM	2.00
25TH PERCENTILE	4.00	MAXIMUM	9.00
MEDIAN	6.00	MODE	6.00
75TH PERCENTILE	7.00	MEAN	5.66
90TH PERCENTILE	8.00	STANDARD DEVIATION	1.62
95TH PERCENTILE	8.00		
99TH PERCENTILE	9.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3ISVEHI

VARIABLE LABEL: AVOICE Scale 22: Vehicle/Equipment Oper

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	3.00		
5TH PERCENTILE	4.00		
10TH PERCENTILE	5.00	MINIMUM	3.00
25TH PERCENTILE	6.00	MAXIMUM	14.00
MEDIAN	8.00	MODE	9.00
75TH PERCENTILE	10.00	MEAN	8.06
90TH PERCENTILE	11.00	STANDARD DEVIATION	2.46
95TH PERCENTILE	12.00		
99TH PERCENTILE	14.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3JCAUTO

VARIABLE LABEL: JOB Construct: Autonomy

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

This construct score is equal to the standardized score for B3JSAUTO.

1ST PERCENTILE	27.66		
5TH PERCENTILE	36.39		
10TH PERCENTILE	36.39	MINIMUM	18.93
25TH PERCENTILE	45.12	MAXIMUM	71.31
MEDIAN	49.49	MODE	49.49
75TH PERCENTILE	58.22	MEAN	50.33
90TH PERCENTILE	62.58	STANDARD DEVIATION	9.76
95TH PERCENTILE	66.95		
99TH PERCENTILE	71.31		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3JCROUT

VARIABLE LABEL: JOB Construct: Routine

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

This construct score is equal to the standardized score for B3JSROUT.

1ST PERCENTILE	25.73		
5TH PERCENTILE	30.07		
10TH PERCENTILE	34.41	MINIMUM	25.73
25TH PERCENTILE	43.10	MAXIMUM	73.50
MEDIAN	47.44	MODE	43.10
75TH PERCENTILE	56.13	MEAN	48.24
90TH PERCENTILE	60.47	STANDARD DEVIATION	9.51
95TH PERCENTILE	64.81		
99TH PERCENTILE	69.15		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3JCSUPP

VARIABLE LABEL: JOB Construct: Org. & Coworker Supp.

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for B3JSSTAT, B3JSOSUP, B3JSOTHR and B3JSAMBI. All four scale scores were unit weighted.

1ST PERCENTILE	118.20		
5TH PERCENTILE	153.10		
10TH PERCENTILE	164.35	MINIMUM	90.64
25TH PERCENTILE	182.94	MAXIMUM	261.10
MEDIAN	207.08	MODE	242.44
75TH PERCENTILE	227.84	MEAN	203.11
90TH PERCENTILE	239.51	STANDARD DEVIATION	30.21
95TH PERCENTILE	244.40		
99TH PERCENTILE	255.75		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3JSAMBI

VARIABLE LABEL: JOB Scale #6: Ambition

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	8.00		
5TH PERCENTILE	10.00		
10TH PERCENTILE	10.00	MINIMUM	6.00
25TH PERCENTILE	11.00	MAXIMUM	15.00
MEDIAN	13.00	MODE	13.00
75TH PERCENTILE	14.00	MEAN	12.59
90TH PERCENTILE	15.00	STANDARD DEVIATION	1.62
95TH PERCENTILE	15.00		
99TH PERCENTILE	15.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3JSAUTO

VARIABLE LABEL: JOB Scale #4: Autonomy

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	10.00		
5TH PERCENTILE	12.00		
10TH PERCENTILE	12.00	MINIMUM	8.00
25TH PERCENTILE	14.00	MAXIMUM	20.00
MEDIAN	15.00	MODE	15.00
75TH PERCENTILE	17.00	MEAN	15.19
90TH PERCENTILE	18.00	STANDARD DEVIATION	2.24
95TH PERCENTILE	19.00		
99TH PERCENTILE	20.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3JSOSUP

VARIABLE LABEL: JOB Scale #2: Org. Support

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	16.00		
5TH PERCENTILE	17.50		
10TH PERCENTILE	19.00	MINIMUM	14.00
25TH PERCENTILE	20.00	MAXIMUM	25.00
MEDIAN	22.00	MODE	22.00
75TH PERCENTILE	24.00	MEAN	21.82
90TH PERCENTILE	25.00	STANDARD DEVIATION	2.34
95TH PERCENTILE	25.00		
99TH PERCENTILE	25.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3JSOTHR

VARIABLE LABEL: JOB Scale #3: Serve Others

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	7.00		
5TH PERCENTILE	9.00		
10TH PERCENTILE	10.00	MINIMUM	5.00
25TH PERCENTILE	11.00	MAXIMUM	15.00
MEDIAN	12.00	MODE	12.00
75TH PERCENTILE	13.00	MEAN	11.99
90TH PERCENTILE	15.00	STANDARD DEVIATION	1.82
95TH PERCENTILE	15.00		
99TH PERCENTILE	15.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3JSROUT

VARIABLE LABEL: JOB Scale #5: Routine

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.00		
5TH PERCENTILE	5.00		
10TH PERCENTILE	6.00	MINIMUM	4.00
25TH PERCENTILE	8.00	MAXIMUM	15.00
MEDIAN	9.00	MODE	8.00
75TH PERCENTILE	11.00	MEAN	9.18
90TH PERCENTILE	12.00	STANDARD DEVIATION	2.19
95TH PERCENTILE	13.00		
99TH PERCENTILE	14.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3JSSTAT

VARIABLE LABEL: JOB Scale #1: Job Status

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	30.80		
5TH PERCENTILE	37.00		
10TH PERCENTILE	38.00	MINIMUM	28.00
25TH PERCENTILE	41.00	MAXIMUM	50.00
MEDIAN	44.00	MODE	49.00
75TH PERCENTILE	48.00	MEAN	44.08
90TH PERCENTILE	49.00	STANDARD DEVIATION	4.44
95TH PERCENTILE	50.00		
99TH PERCENTILE	50.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3PCORNT

VARIABLE LABEL: Cognitive Sub-Construct: Spat. Orient.

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	74.93		
5TH PERCENTILE	79.07		
10TH PERCENTILE	81.99	MINIMUM	74.73
25TH PERCENTILE	88.86	MAXIMUM	141.58
MEDIAN	100.19	MODE	88.66
75TH PERCENTILE	117.45	MEAN	103.46
90TH PERCENTILE	129.86	STANDARD DEVIATION	17.51
95TH PERCENTILE	133.19		
99TH PERCENTILE	139.96		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3PCREAS

VARIABLE LABEL: Cognitive Sub-Construct: Spatial Reas.

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	64.12		
5TH PERCENTILE	78.64		
10TH PERCENTILE	84.27	MINIMUM	61.63
25TH PERCENTILE	93.89	MAXIMUM	129.00
MEDIAN	107.18	MODE	107.18
75TH PERCENTILE	115.72	MEAN	104.52
90TH PERCENTILE	122.22	STANDARD DEVIATION	14.50
95TH PERCENTILE	123.99		
99TH PERCENTILE	129.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3PCSCAN

VARIABLE LABEL: Cognitive Sub-Construct: Spatial Scan.

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	58.51		
5TH PERCENTILE	70.94		
10TH PERCENTILE	79.59	MINIMUM	54.95
25TH PERCENTILE	93.22	MAXIMUM	130.45
MEDIAN	104.76	MODE	129.93
75TH PERCENTILE	115.77	MEAN	103.09
90TH PERCENTILE	122.59	STANDARD DEVIATION	16.35
95TH PERCENTILE	126.26		
99TH PERCENTILE	129.93		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3PCSPAT

VARIABLE LABEL: Cognitive Construct: Overall Spatial

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for B3PSAONC, B3PSMPNC, B3PSMZNC, B3PSORNC, B3PSOTNC and B3PSRSNC. All six test scores were unit weighted.

1ST PERCENTILE	219.65		
5TH PERCENTILE	241.47		
10TH PERCENTILE	253.98	MINIMUM	209.10
25TH PERCENTILE	282.75	MAXIMUM	391.23
MEDIAN	313.27	MODE	209.10
75TH PERCENTILE	339.45	MEAN	311.07
90TH PERCENTILE	363.51	STANDARD DEVIATION	40.05
95TH PERCENTILE	377.25		
99TH PERCENTILE	389.33		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3PSAONC

VARIABLE LABEL: # CORR: Assembling Objects

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.00		
5TH PERCENTILE	12.50		
10TH PERCENTILE	16.00	MINIMUM	4.00
25TH PERCENTILE	22.00	MAXIMUM	32.00
MEDIAN	26.00	MODE	27.00
75TH PERCENTILE	29.00	MEAN	24.50
90TH PERCENTILE	30.00	STANDARD DEVIATION	5.77
95TH PERCENTILE	31.00		
99TH PERCENTILE	32.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3PSMPNC

VARIABLE LABEL: # CORR: Map Test

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	2.00	MINIMUM	0.00
25TH PERCENTILE	4.00	MAXIMUM	20.00
MEDIAN	8.00	MODE	5.00
75TH PERCENTILE	13.50	MEAN	8.68
90TH PERCENTILE	16.00	STANDARD DEVIATION	5.40
95TH PERCENTILE	17.00		
99TH PERCENTILE	19.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3PSMZNC

VARIABLE LABEL: # CORR: Maze Test

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.90		
5TH PERCENTILE	9.00		
10TH PERCENTILE	11.00	MINIMUM	4.00
25TH PERCENTILE	14.50	MAXIMUM	24.00
MEDIAN	18.00	MODE	18.00
75TH PERCENTILE	20.00	MEAN	17.34
90TH PERCENTILE	23.00	STANDARD DEVIATION	4.35
95TH PERCENTILE	24.00		
99TH PERCENTILE	24.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3PSORNC

VARIABLE LABEL: # CORR: Object Rotation

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	14.90		
5TH PERCENTILE	27.00		
10TH PERCENTILE	37.00	MINIMUM	13.00
25TH PERCENTILE	51.00	MAXIMUM	90.00
MEDIAN	68.00	MODE	85.00
75TH PERCENTILE	81.00	MEAN	64.45
90TH PERCENTILE	87.00	STANDARD DEVIATION	19.15
95TH PERCENTILE	89.00		
99TH PERCENTILE	90.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3PSOTNC

VARIABLE LABEL: # CORR: Orientation Test

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.00	MINIMUM	0.00
25TH PERCENTILE	6.00	MAXIMUM	24.00
MEDIAN	12.00	MODE	7.00
75TH PERCENTILE	17.00	MEAN	12.02
90TH PERCENTILE	21.00	STANDARD DEVIATION	6.28
95TH PERCENTILE	22.50		
99TH PERCENTILE	24.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3PSRSNC

VARIABLE LABEL: # CORR: Reasoning Test

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.00		
5TH PERCENTILE	13.00		
10TH PERCENTILE	14.00	MINIMUM	6.00
25TH PERCENTILE	18.00	MAXIMUM	29.00
MEDIAN	21.00	MODE	22.00
75TH PERCENTILE	24.00	MEAN	20.61
90TH PERCENTILE	26.00	STANDARD DEVIATION	4.52
95TH PERCENTILE	27.00		
99TH PERCENTILE	29.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TCADJU

VARIABLE LABEL: ABLE Construct: Adjustment

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

This construct score is equal to the standardized score for B3TSSTAB.

1ST PERCENTILE	28.00		
5TH PERCENTILE	35.17		
10TH PERCENTILE	38.58	MINIMUM	24.93
25TH PERCENTILE	45.41	MAXIMUM	71.01
MEDIAN	52.23	MODE	55.65
75TH PERCENTILE	57.35	MEAN	51.17
90TH PERCENTILE	62.47	STANDARD DEVIATION	9.20
95TH PERCENTILE	64.18		
99TH PERCENTILE	69.30		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TCCOND

VARIABLE LABEL: ABLE Construct: Physical Condition

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

This construct score is equal to the standardized score for B3TSCOND.

1ST PERCENTILE	24.00		
5TH PERCENTILE	30.58		
10TH PERCENTILE	37.16	MINIMUM	24.00
25TH PERCENTILE	43.74	MAXIMUM	63.48
MEDIAN	50.32	MODE	56.90
75TH PERCENTILE	60.19	MEAN	50.69
90TH PERCENTILE	63.48	STANDARD DEVIATION	10.01
95TH PERCENTILE	63.48		
99TH PERCENTILE	63.48		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TCDEPN

VARIABLE LABEL: ABLE Construct: Dependability

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for B3TSCONS and B3TSNOND. Both scale scores were unit weighted.

1ST PERCENTILE	56.83		
5TH PERCENTILE	72.68		
10TH PERCENTILE	82.47	MINIMUM	52.11
25TH PERCENTILE	93.60	MAXIMUM	140.48
MEDIAN	104.73	MODE	97.48
75TH PERCENTILE	116.03	MEAN	103.52
90TH PERCENTILE	122.61	STANDARD DEVIATION	16.38
95TH PERCENTILE	125.81		
99TH PERCENTILE	136.86		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TCSURG

VARIABLE LABEL: ABLE Construct: Surgency

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for B3TSESTM, B3TSWORK and B3TSENER. All three scale scores were unit weighted.

1ST PERCENTILE	94.64		
5TH PERCENTILE	112.83		
10TH PERCENTILE	120.58	MINIMUM	80.64
25TH PERCENTILE	139.35	MAXIMUM	213.67
MEDIAN	154.64	MODE	120.58
75TH PERCENTILE	169.67	MEAN	153.28
90TH PERCENTILE	183.30	STANDARD DEVIATION	23.31
95TH PERCENTILE	188.23		
99TH PERCENTILE	201.89		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSABRN

VARIABLE LABEL: ABLE: screened for scale 14

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
N	289	100.00

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSABSC

VARIABLE LABEL: ABLE: screened for missing

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
N	289	100.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSCOND

VARIABLE LABEL: ABLE Scale #11: Physical Condition

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.00		
5TH PERCENTILE	8.00		
10TH PERCENTILE	10.00	MINIMUM	6.00
25TH PERCENTILE	12.00	MAXIMUM	18.00
MEDIAN	14.00	MODE	16.00
75TH PERCENTILE	17.00	MEAN	14.11
90TH PERCENTILE	18.00	STANDARD DEVIATION	3.04
95TH PERCENTILE	18.00		
99TH PERCENTILE	18.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSCONS

VARIABLE LABEL: ABLE Scale #04: Conscientiousness

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	22.00		
5TH PERCENTILE	28.00		
10TH PERCENTILE	29.00	MINIMUM	20.00
25TH PERCENTILE	33.00	MAXIMUM	45.00
MEDIAN	36.00	MODE	37.00
75TH PERCENTILE	39.00	MEAN	35.35
90TH PERCENTILE	41.00	STANDARD DEVIATION	4.41
95TH PERCENTILE	41.00		
99TH PERCENTILE	44.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSCONT

VARIABLE LABEL: ABLE Scale #08: Internal Control

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	23.00		
5TH PERCENTILE	30.00		
10TH PERCENTILE	32.00	MINIMUM	22.40
25TH PERCENTILE	35.00	MAXIMUM	48.00
MEDIAN	38.00	MODE	37.00
75TH PERCENTILE	42.00	MEAN	38.26
90TH PERCENTILE	45.00	STANDARD DEVIATION	4.81
95TH PERCENTILE	46.00		
99TH PERCENTILE	47.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSCOOP

VARIABLE LABEL: ABLE Scale #03: Cooperativeness

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	27.00		
5TH PERCENTILE	33.50		
10TH PERCENTILE	36.00	MINIMUM	24.00
25TH PERCENTILE	39.00	MAXIMUM	53.00
MEDIAN	42.35	MODE	42.00
75TH PERCENTILE	46.00	MEAN	42.27
90TH PERCENTILE	49.00	STANDARD DEVIATION	5.01
95TH PERCENTILE	50.00		
99TH PERCENTILE	52.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSDOMN

VARIABLE LABEL: ABLE Scale #10: Dominance

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	17.00		
5TH PERCENTILE	20.50		
10TH PERCENTILE	22.00	MINIMUM	15.00
25TH PERCENTILE	24.00	MAXIMUM	36.00
MEDIAN	27.00	MODE	26.00
75TH PERCENTILE	31.00	MEAN	27.33
90TH PERCENTILE	33.00	STANDARD DEVIATION	4.13
95TH PERCENTILE	34.00		
99TH PERCENTILE	35.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSENER

VARIABLE LABEL: ABLE Scale #09: Energy Level

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	34.00		
5TH PERCENTILE	40.05		
10TH PERCENTILE	42.00	MINIMUM	30.00
25TH PERCENTILE	45.00	MAXIMUM	62.00
MEDIAN	49.00	MODE	51.00
75TH PERCENTILE	53.00	MEAN	48.95
90TH PERCENTILE	56.00	STANDARD DEVIATION	5.28
95TH PERCENTILE	57.00		
99TH PERCENTILE	60.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSESTM

VARIABLE LABEL: ABLE Scale #02: Self Esteem

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	19.90		
5TH PERCENTILE	23.00		
10TH PERCENTILE	24.00	MINIMUM	18.00
25TH PERCENTILE	26.00	MAXIMUM	36.00
MEDIAN	29.00	MODE	31.00
75TH PERCENTILE	31.00	MEAN	28.78
90TH PERCENTILE	33.00	STANDARD DEVIATION	3.52
95TH PERCENTILE	34.00		
99TH PERCENTILE	35.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSIMPR

VARIABLE LABEL: ABLE Scale #15: Poor Impression

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	10.00
MEDIAN	1.00	MODE	0.00
75TH PERCENTILE	2.00	MEAN	1.24
90TH PERCENTILE	3.00	STANDARD DEVIATION	1.61
95TH PERCENTILE	5.00		
99TH PERCENTILE	7.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSNOND

VARIABLE LABEL: ABLE Scale #05: Nondelinquency

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	29.90		
5TH PERCENTILE	33.50		
10TH PERCENTILE	37.00	MINIMUM	29.00
25TH PERCENTILE	41.00	MAXIMUM	56.00
MEDIAN	45.00	MODE	44.00
75TH PERCENTILE	49.00	MEAN	44.58
90TH PERCENTILE	52.00	STANDARD DEVIATION	5.68
95TH PERCENTILE	54.00		
99TH PERCENTILE	55.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSRESP

VARIABLE LABEL: ABLE Scale #14: Non-Random Response

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	6.00		
5TH PERCENTILE	7.00		
10TH PERCENTILE	7.00	MINIMUM	6.00
25TH PERCENTILE	8.00	MAXIMUM	8.00
MEDIAN	8.00	MODE	8.00
75TH PERCENTILE	8.00	MEAN	7.78
90TH PERCENTILE	8.00	STANDARD DEVIATION	0.49
95TH PERCENTILE	8.00		
99TH PERCENTILE	8.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSSKNO

VARIABLE LABEL: ABLE Scale #13: Self-Knowledge

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	22.00		
5TH PERCENTILE	25.00		
10TH PERCENTILE	26.00	MINIMUM	21.00
25TH PERCENTILE	28.00	MAXIMUM	39.00
MEDIAN	30.00	MODE	30.00
75TH PERCENTILE	32.00	MEAN	30.06
90TH PERCENTILE	34.00	STANDARD DEVIATION	3.15
95TH PERCENTILE	35.00		
99TH PERCENTILE	37.11		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	288
NUMBER OF CASES WITH MISSING VALUES	1
PERCENT OF CASES WITH MISSING VALUES	0.35

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSSOCD

VARIABLE LABEL: ABLE Scale #12: Social Desirability

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	12.00		
5TH PERCENTILE	12.00		
10TH PERCENTILE	12.00	MINIMUM	12.00
25TH PERCENTILE	14.00	MAXIMUM	27.00
MEDIAN	16.00	MODE	16.00
75TH PERCENTILE	18.77	MEAN	16.50
90TH PERCENTILE	21.00	STANDARD DEVIATION	3.11
95TH PERCENTILE	22.00		
99TH PERCENTILE	25.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSSTAB

VARIABLE LABEL: ABLE Scale #01: Emotional Stability

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	27.80		
5TH PERCENTILE	32.00		
10TH PERCENTILE	34.00	MINIMUM	26.00
25TH PERCENTILE	38.00	MAXIMUM	53.00
MEDIAN	42.00	MODE	44.00
75TH PERCENTILE	45.00	MEAN	41.38
90TH PERCENTILE	48.00	STANDARD DEVIATION	5.39
95TH PERCENTILE	49.00		
99TH PERCENTILE	52.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSTRAD

VARIABLE LABEL: ABLE Scale #06: Traditional Values

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	14.90		
5TH PERCENTILE	18.00		
10TH PERCENTILE	21.00	MINIMUM	13.00
25TH PERCENTILE	25.00	MAXIMUM	33.00
MEDIAN	27.00	MODE	30.00
75TH PERCENTILE	29.00	MEAN	26.41
90TH PERCENTILE	31.00	STANDARD DEVIATION	3.92
95TH PERCENTILE	32.00		
99TH PERCENTILE	33.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Predictor Data

VARIABLE NAME: B3TSWORK

VARIABLE LABEL: ABLE Scale #07: Work Orientation

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	27.90		
5TH PERCENTILE	33.00		
10TH PERCENTILE	35.89	MINIMUM	27.00
25TH PERCENTILE	39.00	MAXIMUM	57.00
MEDIAN	43.00	MODE	39.00
75TH PERCENTILE	47.00	MEAN	42.60
90TH PERCENTILE	50.00	STANDARD DEVIATION	5.74
95TH PERCENTILE	52.00		
99TH PERCENTILE	55.20		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Imputation Flag

VARIABLE NAME: FLxxxxxx

VARIABLE LABEL: Impute Flags

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING		PERCENT IMPUTED
FLCSCRDT	Imp Flag: CRT: Mean Trimmed Dec. Time	0.0
FLCSCRHT	Imp Flag: CRT: Mean Hit Rate	0.0
FLCSCSTS	Imp Flag: CS: Mean Abs. Time Discrep	0.3
FLCSNMDT	Imp Flag: NUM: Mean for Final Response	0.0
FLCSNMHT	Imp Flag: NUM: Mean Hit Rate	0.0
FLCSNMIN	Imp Flag: NUM: Mean for Initial Input	0.0
FLCSNMOP	Imp Flag: NUM: Pooled Mean Op Time	0.0
FLCSPSDT	Imp Flag: PSA: Mean Trimmed Dec. Time	0.0
FLCSPSHT	Imp Flag: PSA: Mean Hit Rate	0.0
FLCSRTMT	Imp Flag: Pooled Mean Movement Time	0.0
FLCSSMDT	Imp Flag: MEM: Mean Trimmed Dec. Time	0.3
FLCSSMHT	Imp Flag: MEM: Mean Hit Rate	0.3
FLCSSRDT	Imp Flag: SRT: Mean Trimmed Dec. Time	0.0
FLCSSRHT	Imp Flag: SRT: Mean Hit Rate	0.0
FLCSTIDT	Imp Flag: TARGET: Mean Trimmed Dec. Time	0.3
FLCSTIHT	Imp Flag: TARGET: Mean Hit Rate	0.3
FLCSTSDL	Imp Flag: TARG SHT: Mean Log (Dist + 1)	3.8
FLCSTSDT	Imp Flag: TARG SHT: Mean Time to Fire	3.8
FLCST1DL	Imp Flag: TARG TRACK 1 MN Log (Dist + 1)	0.0
FLCST2DL	Imp Flag: TARG TRACK 2 MN Log (Dist + 1)	0.0
FLGHCLB	Imp Flag: H/O CL B: Basic Soldiering	4.8
FLGHCLC	Imp Flag: H/O CL C: Communication	4.8
FLGHCLS	Imp Flag: H/O CL S: Safety	4.8
FLGHCLT	Imp Flag: H/O CL T: Technical	4.8
FLGHCLV	Imp Flag: H/O CL V: Vehicle Maint/Op	4.8
FLGKCLB	Imp Flag: K5 CL B: Basic Soldiering	8.7
FLGKCLC	Imp Flag: K5 CL C: Communication	8.7
FLGKCLI	Imp Flag: K5 CL I: ID Target	8.7
FLGKCLS	Imp Flag: K5 CL S: Safety	8.7
FLGKCLT	Imp Flag: K5 CL T: Technical	8.7
FLGKCLV	Imp Flag: K5 CL V: Vehicle Maint/Op	8.7
FLGSCLB	Imp Flag: K3 CL B: Basic Soldiering	0.7
FLGSCLI	Imp Flag: K3 CL I: ID Target	0.7
FLGSCLS	Imp Flag: K3 CL S: Safety	0.7
FLGSCLT	Imp Flag: K3 CL T: Technical	0.7
FLGSCLV	Imp Flag: K3 CL V: Vehicle Maint/Op	0.7
FLISCLER	Imp Flag: AVOICE 01: Clerical/Admin	0.0
FLISMECH	Imp Flag: AVOICE 02: Mechanics	0.7

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VALUE:MEANING		PERCENT IMPUTED
FLISCONS	Imp Flag: AVOICE 03: Heavy Construction	0.0
FLISELEC	Imp Flag: AVOICE 04: Electronics	0.0
FLISCOMB	Imp Flag: AVOICE 05: Combat	0.0
FLISMSER	Imp Flag: AVOICE 06: Medical Services	0.3
FLISINDI	Imp Flag: AVOICE 07: Rug Individualism	0.0
FLISLEAD	Imp Flag: AVOICE 08: Leadership/Guidance	0.3
FLISLAWE	Imp Flag: AVOICE 09: Law Enforcement	1.4
FLISFSRP	Imp Flag: AVOICE 10: Food Svc Prof	0.0
FLISARMS	Imp Flag: AVOICE 11: Firearms Enthusiast	0.3
FLISSCIE	Imp Flag: AVOICE 12: Science/Chemical	0.0
FLISDRAF	Imp Flag: AVOICE 13: Drafting	0.0
FLISAUDI	Imp Flag: AVOICE 14: Audiographics	0.0
FLISAEST	Imp Flag: AVOICE 15: Aesthetics	0.0
FLISCOMP	Imp Flag: AVOICE 16: Computers	1.4
FLISFSRE	Imp Flag: AVOICE 17: Food Svc Employee	0.7
FLISMATH	Imp Flag: AVOICE 18: Mathematics	1.4
FLISECOM	Imp Flag: AVOICE 19: Electronic Communication	0.3
FLISSHIP	Imp Flag: AVOICE 20: Shipment	0.3
FLISFIRE	Imp Flag: AVOICE 21: Fire Protection	0.3
FLISVEHI	Imp Flag: AVOICE 22: Veh/Equip Operator	1.0
FLJSSTAT	Imp Flag: JOB #1: Job Status	0.0
FLJSOSUP	Imp Flag: JOB #2: Org. Support	0.0
FLJSOTHR	Imp Flag: JOB #3: Serve Others	0.0
FLJSAUTO	Imp Flag: JOB #4: Autonomy	0.0
FLJSROUT	Imp Flag: JOB #5: Routine	0.0
FLJSAMBI	Imp Flag: JOB #6: Ambition	0.7
FLMPCF01	Imp Flag: MOB mos: Factor I <Comb>	0.3
FLMPCF02	Imp Flag: MOB mos: Factor II <Comb>	0.3
FLPSAONC	Imp Flag: # CORR: Assembling Objects	0.0
FLPSMPNC	Imp Flag: # CORR: Map Test	0.3
FLPSMZNC	Imp Flag: # CORR: Maze Test	0.0
FLPSORNC	Imp Flag: # CORR: Object Rotation	0.0
FLPSOTNC	Imp Flag: # CORR: Orientation Test	0.0
FLPSRSNC	Imp Flag: # CORR: Reasoning Test	0.0
FLTSSTAB	Imp Flag: ABLE #01: Emotional Stab	0.0
FLTSESTM	Imp Flag: ABLE #02: Self Esteem	0.0
FLTSCOOP	Imp Flag: ABLE #03: Cooperativeness	0.0
FLTSCONS	Imp Flag: ABLE #04: Conscientious	0.0
FLTSNOND	Imp Flag: ABLE #05: Nondelinquency	0.0
FLTSTRAD	Imp Flag: ABLE #06: Tradit Values	0.7
FLTSWORK	Imp Flag: ABLE #07: Work Orient	0.0
FLTSCONT	Imp Flag: ABLE #08: Internal Cntrl	0.0
FLTSENER	Imp Flag: ABLE #09: Energy Level	0.3
FLTSDOMN	Imp Flag: ABLE #10: Dominance	0.3
FLTSCOND	Imp Flag: ABLE #11: Physical Cond	0.0
FLXACM1	Imp Flag: ADM 01: Total Awards/Letters	0.0
FLXACM2	Imp Flag: ADM 02: Phys Readiness Score	4.2

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VALUE:MEANING		PERCENT IMPUTED
FLXACM4	Imp Flag: ADM 04: Art 15/Flag Actions	0.3
FLXACM5	Imp Flag: ADM 05: Promo rate Dev Score	13.1
FLXCCAWC	Imp Flag: COMB:Avg Combat Pred Rtg<Comb>	0.0
FLXPCF01	Imp Flag: AWB F01: Tech Skill/Efrt<Comb>	0.0
FLXPCF02	Imp Flag: AWB F02: Integ/Control<Comb>	0.0
FLXPCF03	Imp Flag: AWB F03: Phys Fit/Bearing<Comb>	0.0
FLXPC11	Imp Flag: AWB: Overall Eff<Comb>	0.0

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: LRDB Generated

VARIABLE NAME: ID

VARIABLE LABEL: LRDB ID

This is a scrambled ID generated by LRDB in order to preserved the privacy of the soldiers.

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3DMOS

VARIABLE LABEL: CV Duty MOS Code

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 3

VALUE:MEANING	FREQUENCY	PERCENT
	16	.
OTH	17	6.23
mos	247	90.48
63B	1	0.37
64C	2	0.73
71L	3	1.10
76Y	3	1.10

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3DOB

VARIABLE LABEL: CV Date of Birth

VARIABLE TYPE: SAS DATE (default format of YYMMDD4.)

VALUE	FREQUENCY	PERCENT
52	1	0.35
54	2	0.69
56	1	0.35
57	5	1.73
58	5	1.73
59	12	4.15
60	15	5.19
61	17	5.88
62	31	10.73
63	32	11.07
64	59	20.42
65	78	26.99
66	30	10.38
67	1	0.35

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCLB

VARIABLE LABEL: HO mos: CL B: Basic Soldiering

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	9.78		
5TH PERCENTILE	13.96		
10TH PERCENTILE	15.67	MINIMUM	8.23
25TH PERCENTILE	19.49	MAXIMUM	27.80
MEDIAN	22.00	MODE	24.05
75TH PERCENTILE	24.07	MEAN	21.30
90TH PERCENTILE	25.33	STANDARD DEVIATION	3.84
95TH PERCENTILE	26.32		
99TH PERCENTILE	27.28		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCLB1

VARIABLE LABEL: HO mos: CL B: Basic Soldiering <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.06		
5TH PERCENTILE	3.82		
10TH PERCENTILE	6.49	MINIMUM	-0.08
25TH PERCENTILE	8.64	MAXIMUM	13.61
MEDIAN	10.53	MODE	13.61
75TH PERCENTILE	12.27	MEAN	10.04
90TH PERCENTILE	12.91	STANDARD DEVIATION	2.72
95TH PERCENTILE	13.61		
99TH PERCENTILE	13.61		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCLB5

VARIABLE LABEL: HO mos: CL B: Basic Soldiering <P5>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.80		
5TH PERCENTILE	8.26		
10TH PERCENTILE	9.14	MINIMUM	3.99
25TH PERCENTILE	10.35	MAXIMUM	14.25
MEDIAN	11.55	MODE	13.10
75TH PERCENTILE	12.45	MEAN	11.30
90TH PERCENTILE	13.11	STANDARD DEVIATION	1.70
95TH PERCENTILE	13.53		
99TH PERCENTILE	14.25		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCLC

VARIABLE LABEL: HO mos: CL C: Communication

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.08		
5TH PERCENTILE	5.85		
10TH PERCENTILE	7.41	MINIMUM	1.43
25TH PERCENTILE	11.74	MAXIMUM	29.07
MEDIAN	17.42	MODE	21.54
75TH PERCENTILE	21.91	MEAN	16.66
90TH PERCENTILE	24.65	STANDARD DEVIATION	6.39
95TH PERCENTILE	26.20		
99TH PERCENTILE	27.56		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCLC1

VARIABLE LABEL: HO mos: CL C: Communication <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.02		
5TH PERCENTILE	5.73		
10TH PERCENTILE	7.25	MINIMUM	1.43
25TH PERCENTILE	11.43	MAXIMUM	29.07
MEDIAN	17.39	MODE	21.96
75TH PERCENTILE	22.04	MEAN	16.62
90TH PERCENTILE	24.66	STANDARD DEVIATION	6.49
95TH PERCENTILE	26.26		
99TH PERCENTILE	27.56		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCLS

VARIABLE LABEL: HO mos: CL S: Safety

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	7.97		
5TH PERCENTILE	12.15		
10TH PERCENTILE	14.44	MINIMUM	4.92
25TH PERCENTILE	17.99	MAXIMUM	27.12
MEDIAN	20.75	MODE	18.71
75TH PERCENTILE	22.74	MEAN	20.11
90TH PERCENTILE	24.64	STANDARD DEVIATION	3.84
95TH PERCENTILE	25.29		
99TH PERCENTILE	26.88		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCLS1

VARIABLE LABEL: HO mos: CL S: Safety <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.92		
5TH PERCENTILE	3.69		
10TH PERCENTILE	4.60	MINIMUM	2.65
25TH PERCENTILE	5.73	MAXIMUM	10.69
MEDIAN	6.92	MODE	8.23
75TH PERCENTILE	8.18	MEAN	6.86
90TH PERCENTILE	8.91	STANDARD DEVIATION	1.67
95TH PERCENTILE	9.38		
99TH PERCENTILE	10.41		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCLS5

VARIABLE LABEL: HO mos: CL S: Safety <P5>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.06		
5TH PERCENTILE	8.22		
10TH PERCENTILE	10.00	MINIMUM	1.90
25TH PERCENTILE	12.06	MAXIMUM	18.00
MEDIAN	13.76	MODE	14.84
75TH PERCENTILE	14.91	MEAN	13.28
90TH PERCENTILE	16.01	STANDARD DEVIATION	2.47
95TH PERCENTILE	16.45		
99TH PERCENTILE	17.27		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCLT

VARIABLE LABEL: HO mos: CL T: Technical

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	40.79		
5TH PERCENTILE	60.24		
10TH PERCENTILE	65.96	MINIMUM	39.89
25TH PERCENTILE	73.25	MAXIMUM	99.80
MEDIAN	79.04	MODE	77.36
75TH PERCENTILE	84.56	MEAN	78.16
90TH PERCENTILE	89.48	STANDARD DEVIATION	9.76
95TH PERCENTILE	91.49		
99TH PERCENTILE	96.49		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCLT1

VARIABLE LABEL: HO mos: CL T: Technical <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	29.74		
5TH PERCENTILE	39.00		
10TH PERCENTILE	42.91	MINIMUM	23.46
25TH PERCENTILE	49.41	MAXIMUM	70.47
MEDIAN	54.82	MODE	47.02
75TH PERCENTILE	59.07	MEAN	53.84
90TH PERCENTILE	63.32	STANDARD DEVIATION	8.01
95TH PERCENTILE	65.34		
99TH PERCENTILE	69.04		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCLT5

VARIABLE LABEL: HO mos: CL T: Technical <P5>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	16.85		
5TH PERCENTILE	19.88		
10TH PERCENTILE	21.20	MINIMUM	16.20
25TH PERCENTILE	23.16	MAXIMUM	29.58
MEDIAN	24.80	MODE	23.12
75TH PERCENTILE	26.14	MEAN	24.43
90TH PERCENTILE	27.31	STANDARD DEVIATION	2.43
95TH PERCENTILE	28.04		
99TH PERCENTILE	28.83		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCLV

VARIABLE LABEL: HO mos: CL V: Vehicle Maint/Op

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	7.71		
5TH PERCENTILE	9.53		
10TH PERCENTILE	10.44	MINIMUM	2.92
25TH PERCENTILE	11.17	MAXIMUM	13.64
MEDIAN	11.95	MODE	11.10
75TH PERCENTILE	12.42	MEAN	11.71
90TH PERCENTILE	12.87	STANDARD DEVIATION	1.18
95TH PERCENTILE	13.10		
99TH PERCENTILE	13.43		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCLV1

VARIABLE LABEL: HO mos: CL V: Vehicle Maint/Op <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	7.07		
5TH PERCENTILE	8.79		
10TH PERCENTILE	9.78	MINIMUM	2.80
25TH PERCENTILE	10.49	MAXIMUM	12.80
MEDIAN	11.16	MODE	11.99
75TH PERCENTILE	11.61	MEAN	10.96
90TH PERCENTILE	12.05	STANDARD DEVIATION	1.11
95TH PERCENTILE	12.28		
99TH PERCENTILE	12.61		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCLV5

VARIABLE LABEL: HO mos: CL V: Vehicle Maint/Op <P5>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.04		
5TH PERCENTILE	0.57		
10TH PERCENTILE	0.80	MINIMUM	-0.24
25TH PERCENTILE	0.83	MAXIMUM	0.84
MEDIAN	0.83	MODE	0.83
75TH PERCENTILE	0.84	MEAN	0.81
90TH PERCENTILE	0.84	STANDARD DEVIATION	0.12
95TH PERCENTILE	0.84		
99TH PERCENTILE	0.84		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCL01

VARIABLE LABEL: HO mos: CL 01

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.62		
5TH PERCENTILE	5.51		
10TH PERCENTILE	6.38	MINIMUM	4.62
25TH PERCENTILE	8.67	MAXIMUM	14.53
MEDIAN	10.44	MODE	11.54
75TH PERCENTILE	11.54	MEAN	9.98
90TH PERCENTILE	12.78	STANDARD DEVIATION	2.26
95TH PERCENTILE	13.21		
99TH PERCENTILE	14.16		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCL02

VARIABLE LABEL: HO mos: CL 02

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	-0.32		
5TH PERCENTILE	2.16		
10TH PERCENTILE	5.23	MINIMUM	-2.45
25TH PERCENTILE	8.16	MAXIMUM	13.88
MEDIAN	10.05	MODE	13.88
75TH PERCENTILE	11.77	MEAN	9.54
90TH PERCENTILE	12.97	STANDARD DEVIATION	3.23
95TH PERCENTILE	13.88		
99TH PERCENTILE	13.88		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

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VARIABLE NAME: M3GHCL03

VARIABLE LABEL: HO mos: CL 03

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	1.24		
5TH PERCENTILE	4.02		
10TH PERCENTILE	6.50	MINIMUM	-1.42
25TH PERCENTILE	9.26	MAXIMUM	14.44
MEDIAN	10.80	MODE	11.53
75TH PERCENTILE	12.04	MEAN	10.16
90TH PERCENTILE	12.82	STANDARD DEVIATION	2.70
95TH PERCENTILE	13.16		
99TH PERCENTILE	13.80		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCL04

VARIABLE LABEL: HO mos: CL 04

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.84		
5TH PERCENTILE	8.68		
10TH PERCENTILE	9.47	MINIMUM	1.86
25TH PERCENTILE	11.15	MAXIMUM	14.38
MEDIAN	12.08	MODE	13.27
75TH PERCENTILE	12.84	MEAN	11.79
90TH PERCENTILE	13.34	STANDARD DEVIATION	1.69
95TH PERCENTILE	13.87		
99TH PERCENTILE	14.14		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCL06

VARIABLE LABEL: HO mos: CL 06

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.02		
5TH PERCENTILE	5.73		
10TH PERCENTILE	7.25	MINIMUM	1.43
25TH PERCENTILE	11.43	MAXIMUM	29.07
MEDIAN	17.39	MODE	21.96
75TH PERCENTILE	22.04	MEAN	16.62
90TH PERCENTILE	24.66	STANDARD DEVIATION	6.49
95TH PERCENTILE	26.26		
99TH PERCENTILE	27.56		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCL11

VARIABLE LABEL: HO mos: CL 11

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	7.49		
5TH PERCENTILE	9.55		
10TH PERCENTILE	10.55	MINIMUM	2.92
25TH PERCENTILE	11.22	MAXIMUM	13.64
MEDIAN	11.97	MODE	12.82
75TH PERCENTILE	12.43	MEAN	11.76
90TH PERCENTILE	12.89	STANDARD DEVIATION	1.17
95TH PERCENTILE	13.10		
99TH PERCENTILE	13.44		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCL20

VARIABLE LABEL: HO mos: CL 20

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	9.23		
5TH PERCENTILE	12.25		
10TH PERCENTILE	14.60	MINIMUM	3.46
25TH PERCENTILE	17.86	MAXIMUM	25.95
MEDIAN	20.30	MODE	21.17
75TH PERCENTILE	22.19	MEAN	19.68
90TH PERCENTILE	23.81	STANDARD DEVIATION	3.64
95TH PERCENTILE	24.49		
99TH PERCENTILE	25.93		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCL21

VARIABLE LABEL: HO mos: CL 21

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.91		
5TH PERCENTILE	9.31		
10TH PERCENTILE	11.44	MINIMUM	4.62
25TH PERCENTILE	13.95	MAXIMUM	28.57
MEDIAN	16.24	MODE	17.36
75TH PERCENTILE	18.61	MEAN	16.32
90TH PERCENTILE	21.10	STANDARD DEVIATION	3.73
95TH PERCENTILE	22.28		
99TH PERCENTILE	26.08		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCL23

VARIABLE LABEL: HO mos: CL 23

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.60		
5TH PERCENTILE	11.43		
10TH PERCENTILE	14.24	MINIMUM	2.45
25TH PERCENTILE	17.45	MAXIMUM	28.46
MEDIAN	20.93	MODE	17.44
75TH PERCENTILE	22.96	MEAN	20.03
90TH PERCENTILE	25.17	STANDARD DEVIATION	4.44
95TH PERCENTILE	26.27		
99TH PERCENTILE	27.23		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHCL24

VARIABLE LABEL: HO mos: CL 24

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	14.54		
5TH PERCENTILE	18.09		
10TH PERCENTILE	18.77	MINIMUM	13.43
25TH PERCENTILE	20.75	MAXIMUM	28.48
MEDIAN	22.30	MODE	23.23
75TH PERCENTILE	23.86	MEAN	22.24
90TH PERCENTILE	25.12	STANDARD DEVIATION	2.45
95TH PERCENTILE	25.86		
99TH PERCENTILE	28.48		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHH2PG

VARIABLE LABEL: HO % GO: Task H2

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	12.70		
5TH PERCENTILE	31.49		
10TH PERCENTILE	38.27	MINIMUM	0.00
25TH PERCENTILE	55.21	MAXIMUM	100.00
MEDIAN	66.94	MODE	66.73
75TH PERCENTILE	78.13	MEAN	65.43
90TH PERCENTILE	88.16	STANDARD DEVIATION	18.65
95TH PERCENTILE	93.51		
99TH PERCENTILE	98.87		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHH3PG

VARIABLE LABEL: HO % GO: Task H3

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	30.37		
10TH PERCENTILE	39.63	MINIMUM	0.00
25TH PERCENTILE	65.20	MAXIMUM	100.00
MEDIAN	87.79	MODE	100.00
75TH PERCENTILE	100.00	MEAN	78.90
90TH PERCENTILE	100.00	STANDARD DEVIATION	23.91
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHIAPG

VARIABLE LABEL: HO % GO: Task IA

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	29.04		
5TH PERCENTILE	53.64		
10TH PERCENTILE	55.50	MINIMUM	26.88
25TH PERCENTILE	66.26	MAXIMUM	100.00
MEDIAN	77.03	MODE	77.03
75TH PERCENTILE	87.79	MEAN	75.97
90TH PERCENTILE	93.90	STANDARD DEVIATION	15.13
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHI1PG

VARIABLE LABEL: HO % GO: Task I1

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	2.63		
5TH PERCENTILE	30.78		
10TH PERCENTILE	42.20	MINIMUM	2.23
25TH PERCENTILE	60.86	MAXIMUM	100.00
MEDIAN	78.89	MODE	100.00
75TH PERCENTILE	89.21	MEAN	72.87
90TH PERCENTILE	96.23	STANDARD DEVIATION	21.30
95TH PERCENTILE	98.86		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHI3PG

VARIABLE LABEL: HO % GO: Task I3

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	6.19		
5TH PERCENTILE	15.62		
10TH PERCENTILE	35.05	MINIMUM	0.00
25TH PERCENTILE	60.03	MAXIMUM	100.00
MEDIAN	78.05	MODE	84.44
75TH PERCENTILE	84.71	MEAN	70.31
90TH PERCENTILE	93.36	STANDARD DEVIATION	22.51
95TH PERCENTILE	96.81		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHI7PG

VARIABLE LABEL: HO % GO: Task I7

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	49.03		
5TH PERCENTILE	62.79		
10TH PERCENTILE	67.78	MINIMUM	47.50
25TH PERCENTILE	77.78	MAXIMUM	100.00
MEDIAN	88.50	MODE	100.00
75TH PERCENTILE	93.71	MEAN	85.49
90TH PERCENTILE	97.76	STANDARD DEVIATION	11.84
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHJ1PG

VARIABLE LABEL: HO % GO: Task J1

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	4.54		
5TH PERCENTILE	17.89		
10TH PERCENTILE	26.17	MINIMUM	0.06
25TH PERCENTILE	39.27	MAXIMUM	100.00
MEDIAN	65.42	MODE	78.50
75TH PERCENTILE	81.74	MEAN	61.32
90TH PERCENTILE	93.18	STANDARD DEVIATION	25.48
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHJ3PG

VARIABLE LABEL: HO % GO: Task J3

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.36		
5TH PERCENTILE	10.69		
10TH PERCENTILE	17.84	MINIMUM	0.00
25TH PERCENTILE	29.44	MAXIMUM	100.00
MEDIAN	70.13	MODE	100.00
75TH PERCENTILE	91.14	MEAN	61.00
90TH PERCENTILE	99.91	STANDARD DEVIATION	31.62
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHJ4PG

VARIABLE LABEL: HO % GO: Task J4

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	11.74		
5TH PERCENTILE	28.32		
10TH PERCENTILE	43.86	MINIMUM	0.00
25TH PERCENTILE	58.41	MAXIMUM	100.00
MEDIAN	70.58	MODE	70.58
75TH PERCENTILE	79.85	MEAN	67.71
90TH PERCENTILE	87.68	STANDARD DEVIATION	18.30
95TH PERCENTILE	94.96		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHJ6PG

VARIABLE LABEL: HO % GO: Task J6

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	5.29		
5TH PERCENTILE	17.53		
10TH PERCENTILE	23.17	MINIMUM	3.53
25TH PERCENTILE	36.56	MAXIMUM	100.00
MEDIAN	47.98	MODE	47.45
75TH PERCENTILE	64.77	MEAN	50.39
90TH PERCENTILE	75.31	STANDARD DEVIATION	20.26
95TH PERCENTILE	82.73		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHK1

VARIABLE LABEL: HO mos: K/P <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	59.26		
5TH PERCENTILE	76.50		
10TH PERCENTILE	79.44	MINIMUM	53.56
25TH PERCENTILE	88.80	MAXIMUM	127.91
MEDIAN	100.59	MODE	94.32
75TH PERCENTILE	107.70	MEAN	98.30
90TH PERCENTILE	115.59	STANDARD DEVIATION	13.60
95TH PERCENTILE	118.43		
99TH PERCENTILE	123.70		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GHP5

VARIABLE LABEL: HO mos: K/P <P5>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	38.41		
5TH PERCENTILE	40.99		
10TH PERCENTILE	44.29	MINIMUM	38.16
25TH PERCENTILE	46.77	MAXIMUM	60.46
MEDIAN	50.34	MODE	44.81
75TH PERCENTILE	52.77	MEAN	49.81
90TH PERCENTILE	54.84	STANDARD DEVIATION	4.34
95TH PERCENTILE	56.14		
99TH PERCENTILE	58.77		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH01K1

VARIABLE LABEL: HO mos: CL 01 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.54		
5TH PERCENTILE	2.01		
10TH PERCENTILE	2.74	MINIMUM	1.40
25TH PERCENTILE	3.54	MAXIMUM	7.30
MEDIAN	4.43	MODE	5.32
75TH PERCENTILE	5.27	MEAN	4.38
90TH PERCENTILE	5.91	STANDARD DEVIATION	1.21
95TH PERCENTILE	6.17		
99TH PERCENTILE	7.07		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH01P5

VARIABLE LABEL: HO mos: CL 01 <P5>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.38		
5TH PERCENTILE	2.97		
10TH PERCENTILE	3.62	MINIMUM	1.79
25TH PERCENTILE	4.76	MAXIMUM	7.83
MEDIAN	5.71	MODE	6.22
75TH PERCENTILE	6.59	MEAN	5.60
90TH PERCENTILE	7.11	STANDARD DEVIATION	1.32
95TH PERCENTILE	7.53		
99TH PERCENTILE	7.76		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH02K1

VARIABLE LABEL: HO mos: CL 02 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	0.06		
5TH PERCENTILE	2.01		
10TH PERCENTILE	4.69	MINIMUM	-2.09
25TH PERCENTILE	6.62	MAXIMUM	11.56
MEDIAN	8.71	MODE	11.56
75TH PERCENTILE	10.26	MEAN	8.17
90TH PERCENTILE	10.98	STANDARD DEVIATION	2.68
95TH PERCENTILE	11.56		
99TH PERCENTILE	11.56		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH02P5

VARIABLE LABEL: HO mos: CL 02 <P5>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	-0.38		
5TH PERCENTILE	-0.11		
10TH PERCENTILE	0.15	MINIMUM	-0.38
25TH PERCENTILE	0.90	MAXIMUM	2.44
MEDIAN	1.24	MODE	2.31
75TH PERCENTILE	2.19	MEAN	1.37
90TH PERCENTILE	2.31	STANDARD DEVIATION	0.83
95TH PERCENTILE	2.31		
99TH PERCENTILE	2.44		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH03K1

VARIABLE LABEL: HO mos: CL 03 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	-0.45		
5TH PERCENTILE	0.68		
10TH PERCENTILE	1.12	MINIMUM	-0.61
25TH PERCENTILE	1.88	MAXIMUM	4.38
MEDIAN	2.66	MODE	2.91
75TH PERCENTILE	3.15	MEAN	2.48
90TH PERCENTILE	3.53	STANDARD DEVIATION	0.95
95TH PERCENTILE	3.83		
99TH PERCENTILE	4.07		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH03P5

VARIABLE LABEL: HO mos: CL 03 <P5>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	0.88		
5TH PERCENTILE	3.29		
10TH PERCENTILE	5.36	MINIMUM	-0.81
25TH PERCENTILE	7.22	MAXIMUM	10.31
MEDIAN	8.14	MODE	8.97
75TH PERCENTILE	8.85	MEAN	7.68
90TH PERCENTILE	9.50	STANDARD DEVIATION	1.90
95TH PERCENTILE	9.84		
99TH PERCENTILE	10.24		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH04K1

VARIABLE LABEL: HO mos: CL 04 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.46		
5TH PERCENTILE	1.12		
10TH PERCENTILE	1.44	MINIMUM	0.06
25TH PERCENTILE	1.88	MAXIMUM	2.31
MEDIAN	2.00	MODE	2.04
75TH PERCENTILE	2.04	MEAN	1.87
90TH PERCENTILE	2.04	STANDARD DEVIATION	0.35
95TH PERCENTILE	2.07		
99TH PERCENTILE	2.31		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH04P5

VARIABLE LABEL: HO mos: CL 04 <P5>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.65		
5TH PERCENTILE	7.06		
10TH PERCENTILE	7.99	MINIMUM	1.80
25TH PERCENTILE	9.29	MAXIMUM	12.07
MEDIAN	10.17	MODE	11.23
75TH PERCENTILE	10.84	MEAN	9.92
90TH PERCENTILE	11.38	STANDARD DEVIATION	1.45
95TH PERCENTILE	11.80		
99TH PERCENTILE	12.07		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH06K1

VARIABLE LABEL: HO mos: CL 06 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.02		
5TH PERCENTILE	5.73		
10TH PERCENTILE	7.25	MINIMUM	1.43
25TH PERCENTILE	11.43	MAXIMUM	29.07
MEDIAN	17.39	MODE	21.96
75TH PERCENTILE	22.04	MEAN	16.62
90TH PERCENTILE	24.66	STANDARD DEVIATION	6.49
95TH PERCENTILE	26.26		
99TH PERCENTILE	27.56		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH11K1

VARIABLE LABEL: HO mos: CL 11 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	7.07		
5TH PERCENTILE	8.79		
10TH PERCENTILE	9.78	MINIMUM	2.80
25TH PERCENTILE	10.49	MAXIMUM	12.80
MEDIAN	11.16	MODE	11.99
75TH PERCENTILE	11.61	MEAN	10.96
90TH PERCENTILE	12.05	STANDARD DEVIATION	1.11
95TH PERCENTILE	12.28		
99TH PERCENTILE	12.61		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH11P5

VARIABLE LABEL: HO mos: CL 11 <P5>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.04		
5TH PERCENTILE	0.57		
10TH PERCENTILE	0.80	MINIMUM	-0.24
25TH PERCENTILE	0.83	MAXIMUM	0.84
MEDIAN	0.83	MODE	0.83
75TH PERCENTILE	0.84	MEAN	0.81
90TH PERCENTILE	0.84	STANDARD DEVIATION	0.12
95TH PERCENTILE	0.84		
99TH PERCENTILE	0.84		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH20K1

VARIABLE LABEL: HO mos: CL 20 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	7.70		
5TH PERCENTILE	10.88		
10TH PERCENTILE	12.62	MINIMUM	2.84
25TH PERCENTILE	16.06	MAXIMUM	24.01
MEDIAN	18.29	MODE	18.92
75TH PERCENTILE	20.04	MEAN	17.66
90TH PERCENTILE	21.51	STANDARD DEVIATION	3.42
95TH PERCENTILE	22.50		
99TH PERCENTILE	23.59		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH20P5

VARIABLE LABEL: HO mos: CL 20 <P5>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.22		
5TH PERCENTILE	0.92		
10TH PERCENTILE	1.39	MINIMUM	-0.09
25TH PERCENTILE	1.75	MAXIMUM	3.32
MEDIAN	2.07	MODE	2.36
75TH PERCENTILE	2.39	MEAN	2.02
90TH PERCENTILE	2.83	STANDARD DEVIATION	0.57
95TH PERCENTILE	2.87		
99TH PERCENTILE	3.07		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH21K1

VARIABLE LABEL: HO mos: CL 21 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.91		
5TH PERCENTILE	9.31		
10TH PERCENTILE	11.44	MINIMUM	4.62
25TH PERCENTILE	13.95	MAXIMUM	28.57
MEDIAN	16.24	MODE	17.36
75TH PERCENTILE	18.61	MEAN	16.32
90TH PERCENTILE	21.10	STANDARD DEVIATION	3.73
95TH PERCENTILE	22.28		
99TH PERCENTILE	26.08		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH23K1

VARIABLE LABEL: HO mos: CL 23 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.61		
5TH PERCENTILE	8.44		
10TH PERCENTILE	10.96	MINIMUM	1.81
25TH PERCENTILE	13.37	MAXIMUM	21.82
MEDIAN	15.85	MODE	16.35
75TH PERCENTILE	17.50	MEAN	15.28
90TH PERCENTILE	19.34	STANDARD DEVIATION	3.43
95TH PERCENTILE	19.98		
99TH PERCENTILE	21.39		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH23P5

VARIABLE LABEL: HO mos: CL 23 <P5>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.45		
5TH PERCENTILE	2.37		
10TH PERCENTILE	3.23	MINIMUM	-0.10
25TH PERCENTILE	4.09	MAXIMUM	6.64
MEDIAN	4.97	MODE	5.63
75TH PERCENTILE	5.63	MEAN	4.75
90TH PERCENTILE	5.98	STANDARD DEVIATION	1.19
95TH PERCENTILE	6.20		
99TH PERCENTILE	6.64		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH24K1

VARIABLE LABEL: HO mos: CL 24 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	-0.02		
5TH PERCENTILE	2.02		
10TH PERCENTILE	2.72	MINIMUM	-0.68
25TH PERCENTILE	3.65	MAXIMUM	7.41
MEDIAN	4.65	MODE	6.95
75TH PERCENTILE	5.75	MEAN	4.58
90TH PERCENTILE	6.03	STANDARD DEVIATION	1.45
95TH PERCENTILE	6.95		
99TH PERCENTILE	7.08		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GH24P5

VARIABLE LABEL: HO mos: CL 24 <P5>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	12.60		
5TH PERCENTILE	14.45		
10TH PERCENTILE	15.37	MINIMUM	12.50
25TH PERCENTILE	16.65	MAXIMUM	21.54
MEDIAN	17.87	MODE	18.40
75TH PERCENTILE	18.74	MEAN	17.66
90TH PERCENTILE	19.29	STANDARD DEVIATION	1.62
95TH PERCENTILE	19.91		
99TH PERCENTILE	21.54		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLB

VARIABLE LABEL: K5 mos: CL B: Basic Soldiering

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	9.90		
5TH PERCENTILE	14.00		
10TH PERCENTILE	16.00	MINIMUM	9.00
25TH PERCENTILE	19.25	MAXIMUM	32.00
MEDIAN	23.00	MODE	26.00
75TH PERCENTILE	26.00	MEAN	22.53
90TH PERCENTILE	28.00	STANDARD DEVIATION	4.61
95TH PERCENTILE	29.00		
99TH PERCENTILE	31.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLB1

VARIABLE LABEL: K5 mos: CL B: Basic Soldiering <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.00		
5TH PERCENTILE	9.00		
10TH PERCENTILE	10.00	MINIMUM	5.00
25TH PERCENTILE	12.00	MAXIMUM	19.00
MEDIAN	14.00	MODE	14.00
75TH PERCENTILE	16.00	MEAN	13.63
90TH PERCENTILE	17.00	STANDARD DEVIATION	2.59
95TH PERCENTILE	17.00		
99TH PERCENTILE	18.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLB2

VARIABLE LABEL: K5 mos: CL B: Basic Soldiering <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	1.65		
5TH PERCENTILE	4.00		
10TH PERCENTILE	5.00	MINIMUM	1.00
25TH PERCENTILE	7.00	MAXIMUM	13.00
MEDIAN	9.00	MODE	10.00
75TH PERCENTILE	11.00	MEAN	8.47
90TH PERCENTILE	12.00	STANDARD DEVIATION	2.61
95TH PERCENTILE	12.00		
99TH PERCENTILE	13.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLB3

VARIABLE LABEL: K5 mos: CL B: Basic Soldiering <K3>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	1.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	1.00	MEAN	0.54
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.50
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLC

VARIABLE LABEL: K5 mos: CL C: Communication

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	5.00		
10TH PERCENTILE	6.00	MINIMUM	0.00
25TH PERCENTILE	9.00	MAXIMUM	15.00
MEDIAN	11.00	MODE	11.00
75TH PERCENTILE	12.00	MEAN	10.17
90TH PERCENTILE	13.00	STANDARD DEVIATION	2.67
95TH PERCENTILE	14.00		
99TH PERCENTILE	15.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLC1

VARIABLE LABEL: K5 mos: CL C: Communication <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.00	MINIMUM	0.00
25TH PERCENTILE	3.00	MAXIMUM	6.00
MEDIAN	4.00	MODE	4.00
75TH PERCENTILE	4.00	MEAN	3.66
90TH PERCENTILE	5.00	STANDARD DEVIATION	1.22
95TH PERCENTILE	5.75		
99TH PERCENTILE	6.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLC3

VARIABLE LABEL: K5 mos: CL C: Communication <K3>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	4.00	MINIMUM	0.00
25TH PERCENTILE	5.00	MAXIMUM	9.00
MEDIAN	7.00	MODE	8.00
75TH PERCENTILE	8.00	MEAN	6.64
90TH PERCENTILE	9.00	STANDARD DEVIATION	2.00
95TH PERCENTILE	9.00		
99TH PERCENTILE	9.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLI

VARIABLE LABEL: K5 mos: CL I: ID Target

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.27		
10TH PERCENTILE	4.00	MINIMUM	2.00
25TH PERCENTILE	5.00	MAXIMUM	12.00
MEDIAN	7.00	MODE	7.00
75TH PERCENTILE	8.00	MEAN	6.74
90TH PERCENTILE	10.00	STANDARD DEVIATION	2.14
95TH PERCENTILE	11.00		
99TH PERCENTILE	12.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLI3

VARIABLE LABEL: K5 mos: CL I: ID Target <K3>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.00	MINIMUM	2.00
25TH PERCENTILE	5.00	MAXIMUM	12.00
MEDIAN	7.00	MODE	7.00
75TH PERCENTILE	8.00	MEAN	6.79
90TH PERCENTILE	10.00	STANDARD DEVIATION	2.15
95TH PERCENTILE	11.00		
99TH PERCENTILE	12.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLS

VARIABLE LABEL: K5 mos: CL S: Safety

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	9.92		
5TH PERCENTILE	14.00		
10TH PERCENTILE	17.31	MINIMUM	9.00
25TH PERCENTILE	21.00	MAXIMUM	33.00
MEDIAN	24.00	MODE	23.00
75TH PERCENTILE	27.00	MEAN	23.47
90TH PERCENTILE	28.25	STANDARD DEVIATION	4.48
95TH PERCENTILE	29.00		
99TH PERCENTILE	32.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLS1

VARIABLE LABEL: K5 mos: CL S: Safety <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.65		
5TH PERCENTILE	8.25		
10TH PERCENTILE	10.00	MINIMUM	4.00
25TH PERCENTILE	11.00	MAXIMUM	18.00
MEDIAN	13.00	MODE	13.00
75TH PERCENTILE	15.00	MEAN	12.89
90TH PERCENTILE	16.00	STANDARD DEVIATION	2.65
95TH PERCENTILE	17.00		
99TH PERCENTILE	18.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLS2

VARIABLE LABEL: K5 mos: CL S: Safety <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	4.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	2.19
90TH PERCENTILE	3.00	STANDARD DEVIATION	0.91
95TH PERCENTILE	4.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLS3

VARIABLE LABEL: K5 mos: CL S: Safety <K3>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	4.33	MINIMUM	0.00
25TH PERCENTILE	6.00	MAXIMUM	9.00
MEDIAN	7.00	MODE	7.00
75TH PERCENTILE	8.00	MEAN	6.67
90TH PERCENTILE	9.00	STANDARD DEVIATION	1.74
95TH PERCENTILE	9.00		
99TH PERCENTILE	9.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLS4

VARIABLE LABEL: K5 mos: CL S: Safety <K4>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	4.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	1.84
90TH PERCENTILE	3.00	STANDARD DEVIATION	1.03
95TH PERCENTILE	3.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLT

VARIABLE LABEL: K5 mos: CL T: Technical

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	23.49		
5TH PERCENTILE	36.50		
10TH PERCENTILE	43.00	MINIMUM	21.44
25TH PERCENTILE	49.43	MAXIMUM	83.00
MEDIAN	57.08	MODE	57.00
75TH PERCENTILE	66.15	MEAN	57.30
90TH PERCENTILE	72.00	STANDARD DEVIATION	11.45
95TH PERCENTILE	74.50		
99TH PERCENTILE	80.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLT1

VARIABLE LABEL: K5 mos: CL T: Technical <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	21.30		
5TH PERCENTILE	27.00		
10TH PERCENTILE	30.00	MINIMUM	15.50
25TH PERCENTILE	36.00	MAXIMUM	57.25
MEDIAN	41.00	MODE	40.00
75TH PERCENTILE	47.00	MEAN	40.98
90TH PERCENTILE	50.50	STANDARD DEVIATION	7.77
95TH PERCENTILE	52.75		
99TH PERCENTILE	57.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLT2

VARIABLE LABEL: K5 mos: CL T: Technical <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	3.65		
5TH PERCENTILE	5.00		
10TH PERCENTILE	6.00	MINIMUM	2.00
25TH PERCENTILE	8.00	MAXIMUM	16.00
MEDIAN	9.00	MODE	8.00
75TH PERCENTILE	11.00	MEAN	9.45
90TH PERCENTILE	13.00	STANDARD DEVIATION	2.69
95TH PERCENTILE	14.00		
99TH PERCENTILE	15.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLT3

VARIABLE LABEL: K5 mos: CL T: Technical <K3>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	4.00	MINIMUM	2.00
25TH PERCENTILE	6.00	MAXIMUM	13.00
MEDIAN	7.00	MODE	6.00
75TH PERCENTILE	9.00	MEAN	7.19
90TH PERCENTILE	10.00	STANDARD DEVIATION	2.37
95TH PERCENTILE	11.00		
99TH PERCENTILE	12.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLT4

VARIABLE LABEL: K5 mos: CL T: Technical <K4>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	1.00
MEDIAN	0.00	MODE	0.00
75TH PERCENTILE	0.00	MEAN	0.22
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.42
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLV

VARIABLE LABEL: K5 mos: CL V: Vehicle Maint/Op

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.24		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.00	MINIMUM	0.00
25TH PERCENTILE	3.00	MAXIMUM	9.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	6.00	MEAN	4.54
90TH PERCENTILE	7.00	STANDARD DEVIATION	1.77
95TH PERCENTILE	7.12		
99TH PERCENTILE	9.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCLV1

VARIABLE LABEL: K5 mos: CL V: Vehicle Maint/Op <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.00	MINIMUM	0.00
25TH PERCENTILE	3.00	MAXIMUM	9.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	6.00	MEAN	4.57
90TH PERCENTILE	7.00	STANDARD DEVIATION	1.74
95TH PERCENTILE	7.31		
99TH PERCENTILE	9.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCL01

VARIABLE LABEL: K5 mos: CL 01

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.00		
5TH PERCENTILE	7.00		
10TH PERCENTILE	8.00	MINIMUM	3.00
25TH PERCENTILE	9.00	MAXIMUM	17.00
MEDIAN	11.00	MODE	9.00
75TH PERCENTILE	13.00	MEAN	10.95
90TH PERCENTILE	14.00	STANDARD DEVIATION	2.60
95TH PERCENTILE	15.00		
99TH PERCENTILE	17.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCL02

VARIABLE LABEL: K5 mos: CL 02

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	5.00
MEDIAN	4.00	MODE	5.00
75TH PERCENTILE	5.00	MEAN	3.34
90TH PERCENTILE	5.00	STANDARD DEVIATION	1.62
95TH PERCENTILE	5.00		
99TH PERCENTILE	5.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCL03

VARIABLE LABEL: K5 mos: CL 03

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	3.30		
5TH PERCENTILE	8.00		
10TH PERCENTILE	9.00	MINIMUM	2.00
25TH PERCENTILE	11.00	MAXIMUM	16.00
MEDIAN	13.00	MODE	14.00
75TH PERCENTILE	14.00	MEAN	12.62
90TH PERCENTILE	15.00	STANDARD DEVIATION	2.53
95TH PERCENTILE	16.00		
99TH PERCENTILE	16.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCL04

VARIABLE LABEL: K5 mos: CL 04

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.00		
5TH PERCENTILE	7.00		
10TH PERCENTILE	8.00	MINIMUM	3.00
25TH PERCENTILE	10.00	MAXIMUM	16.00
MEDIAN	11.75	MODE	13.00
75TH PERCENTILE	13.00	MEAN	11.28
90TH PERCENTILE	14.00	STANDARD DEVIATION	2.54
95TH PERCENTILE	15.00		
99TH PERCENTILE	16.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCL05

VARIABLE LABEL: K5 mos: CL 05

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	4.00
MEDIAN	3.00	MODE	3.00
75TH PERCENTILE	3.00	MEAN	2.51
90TH PERCENTILE	4.00	STANDARD DEVIATION	1.02
95TH PERCENTILE	4.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCL06

VARIABLE LABEL: K5 mos: CL 06

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	5.00		
10TH PERCENTILE	7.00	MINIMUM	0.00
25TH PERCENTILE	9.00	MAXIMUM	15.00
MEDIAN	11.00	MODE	11.00
75TH PERCENTILE	12.00	MEAN	10.30
90TH PERCENTILE	13.00	STANDARD DEVIATION	2.66
95TH PERCENTILE	14.00		
99TH PERCENTILE	15.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCL07

VARIABLE LABEL: K5 mos: CL 07

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.00	MINIMUM	2.00
25TH PERCENTILE	5.00	MAXIMUM	12.00
MEDIAN	7.00	MODE	7.00
75TH PERCENTILE	8.00	MEAN	6.79
90TH PERCENTILE	10.00	STANDARD DEVIATION	2.15
95TH PERCENTILE	11.00		
99TH PERCENTILE	12.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCL08

VARIABLE LABEL: K5 mos: CL 08

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.65		
5TH PERCENTILE	2.25		
10TH PERCENTILE	4.00	MINIMUM	0.00
25TH PERCENTILE	5.00	MAXIMUM	8.00
MEDIAN	6.00	MODE	6.00
75TH PERCENTILE	7.00	MEAN	5.52
90TH PERCENTILE	7.00	STANDARD DEVIATION	1.46
95TH PERCENTILE	7.00		
99TH PERCENTILE	8.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCL11

VARIABLE LABEL: K5 mos: CL 11

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.00	MINIMUM	0.00
25TH PERCENTILE	3.00	MAXIMUM	9.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	6.00	MEAN	4.57
90TH PERCENTILE	7.00	STANDARD DEVIATION	1.74
95TH PERCENTILE	7.31		
99TH PERCENTILE	9.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCL20

VARIABLE LABEL: K5 mos: CL 20

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	4.25		
10TH PERCENTILE	5.00	MINIMUM	1.00
25TH PERCENTILE	7.00	MAXIMUM	14.00
MEDIAN	8.00	MODE	8.00
75TH PERCENTILE	10.00	MEAN	8.32
90TH PERCENTILE	11.00	STANDARD DEVIATION	2.26
95TH PERCENTILE	12.00		
99TH PERCENTILE	13.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCL21

VARIABLE LABEL: K5 mos: CL 21

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.30		
5TH PERCENTILE	8.00		
10TH PERCENTILE	9.00	MINIMUM	4.00
25TH PERCENTILE	11.00	MAXIMUM	21.00
MEDIAN	13.00	MODE	13.00
75TH PERCENTILE	16.00	MEAN	13.08
90TH PERCENTILE	17.00	STANDARD DEVIATION	3.28
95TH PERCENTILE	19.00		
99TH PERCENTILE	20.35		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCL22

VARIABLE LABEL: K5 mos: CL 22

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.65		
5TH PERCENTILE	5.00		
10TH PERCENTILE	6.00	MINIMUM	2.00
25TH PERCENTILE	8.00	MAXIMUM	17.00
MEDIAN	11.00	MODE	12.00
75TH PERCENTILE	13.00	MEAN	10.52
90TH PERCENTILE	15.00	STANDARD DEVIATION	3.20
95TH PERCENTILE	16.00		
99TH PERCENTILE	17.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCL23

VARIABLE LABEL: K5 mos: CL 23

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	3.81		
5TH PERCENTILE	6.25		
10TH PERCENTILE	8.00	MINIMUM	3.00
25TH PERCENTILE	10.00	MAXIMUM	20.00
MEDIAN	12.00	MODE	12.00
75TH PERCENTILE	14.00	MEAN	11.78
90TH PERCENTILE	16.00	STANDARD DEVIATION	3.13
95TH PERCENTILE	17.00		
99TH PERCENTILE	19.35		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKCL24

VARIABLE LABEL: K5 mos: CL 24

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.00		
5TH PERCENTILE	7.25		
10TH PERCENTILE	9.00	MINIMUM	5.00
25TH PERCENTILE	12.00	MAXIMUM	21.00
MEDIAN	15.00	MODE	16.00
75TH PERCENTILE	17.00	MEAN	14.15
90TH PERCENTILE	18.00	STANDARD DEVIATION	3.47
95TH PERCENTILE	19.00		
99TH PERCENTILE	20.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKH2PC

VARIABLE LABEL: K5 % CORR: Task H2

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	16.50		
5TH PERCENTILE	30.00		
10TH PERCENTILE	40.00	MINIMUM	10.00
25TH PERCENTILE	60.00	MAXIMUM	100.00
MEDIAN	70.00	MODE	80.00
75TH PERCENTILE	80.00	MEAN	67.35
90TH PERCENTILE	90.00	STANDARD DEVIATION	18.01
95TH PERCENTILE	90.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKH3PC

VARIABLE LABEL: K5 % CORR: Task H3

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	25.00	MAXIMUM	100.00
MEDIAN	25.00	MODE	25.00
75TH PERCENTILE	50.00	MEAN	39.58
90TH PERCENTILE	75.00	STANDARD DEVIATION	25.06
95TH PERCENTILE	75.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKIAPC

VARIABLE LABEL: K5 % CORR: Task IA

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	20.00		
10TH PERCENTILE	20.00	MINIMUM	0.00
25TH PERCENTILE	40.00	MAXIMUM	100.00
MEDIAN	80.00	MODE	80.00
75TH PERCENTILE	80.00	MEAN	65.64
90TH PERCENTILE	100.00	STANDARD DEVIATION	26.49
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKI1PC

VARIABLE LABEL: K5 % CORR: Task I1

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	12.50		
5TH PERCENTILE	25.00		
10TH PERCENTILE	37.50	MINIMUM	12.50
25TH PERCENTILE	50.00	MAXIMUM	100.00
MEDIAN	62.50	MODE	50.00
75TH PERCENTILE	75.00	MEAN	61.72
90TH PERCENTILE	87.50	STANDARD DEVIATION	20.91
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKI2PC

VARIABLE LABEL: K5 % CORR: Task I2

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	10.00		
5TH PERCENTILE	20.00		
10TH PERCENTILE	30.00	MINIMUM	0.00
25TH PERCENTILE	40.00	MAXIMUM	100.00
MEDIAN	50.00	MODE	50.00
75TH PERCENTILE	70.00	MEAN	54.06
90TH PERCENTILE	80.00	STANDARD DEVIATION	21.34
95TH PERCENTILE	90.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKI3PC

VARIABLE LABEL: K5 % CORR: Task I3

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	9.09		
5TH PERCENTILE	18.18		
10TH PERCENTILE	27.27	MINIMUM	9.09
25TH PERCENTILE	36.36	MAXIMUM	100.00
MEDIAN	54.54	MODE	54.54
75TH PERCENTILE	72.73	MEAN	54.00
90TH PERCENTILE	81.82	STANDARD DEVIATION	20.02
95TH PERCENTILE	81.82		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKI4PC

VARIABLE LABEL: K5 % CORR: Task I4

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	0.00		
5TH PERCENTILE	5.00		
10TH PERCENTILE	20.00	MINIMUM	0.00
25TH PERCENTILE	20.00	MAXIMUM	80.00
MEDIAN	40.00	MODE	40.00
75TH PERCENTILE	45.00	MEAN	38.94
90TH PERCENTILE	60.00	STANDARD DEVIATION	19.20
95TH PERCENTILE	80.00		
99TH PERCENTILE	80.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKI5PC

VARIABLE LABEL: K5 % CORR: Task I5

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	100.00
MEDIAN	33.33	MODE	33.33
75TH PERCENTILE	33.33	MEAN	30.05
90TH PERCENTILE	66.66	STANDARD DEVIATION	24.44
95TH PERCENTILE	66.66		
99TH PERCENTILE	66.66		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKI6PC

VARIABLE LABEL: K5 % CORR: Task I6

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	20.00		
10TH PERCENTILE	20.00	MINIMUM	0.00
25TH PERCENTILE	40.00	MAXIMUM	100.00
MEDIAN	60.00	MODE	80.00
75TH PERCENTILE	80.00	MEAN	63.25
90TH PERCENTILE	100.00	STANDARD DEVIATION	27.30
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKI7PC

VARIABLE LABEL: K5 % CORR: Task I7

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	12.50		
5TH PERCENTILE	25.00		
10TH PERCENTILE	37.50	MINIMUM	12.50
25TH PERCENTILE	62.50	MAXIMUM	100.00
MEDIAN	87.50	MODE	100.00
75TH PERCENTILE	100.00	MEAN	78.11
90TH PERCENTILE	100.00	STANDARD DEVIATION	25.15
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKI8PC

VARIABLE LABEL: K5 % CORR: Task I8

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	20.00	MINIMUM	0.00
25TH PERCENTILE	40.00	MAXIMUM	100.00
MEDIAN	40.00	MODE	40.00
75TH PERCENTILE	75.00	MEAN	49.94
90TH PERCENTILE	80.00	STANDARD DEVIATION	26.79
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKI9PC

VARIABLE LABEL: K5 % CORR: Task I9

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	25.00		
10TH PERCENTILE	25.00	MINIMUM	0.00
25TH PERCENTILE	50.00	MAXIMUM	100.00
MEDIAN	50.00	MODE	50.00
75TH PERCENTILE	75.00	MEAN	53.03
90TH PERCENTILE	75.00	STANDARD DEVIATION	21.51
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKJ1PC

VARIABLE LABEL: K5 % CORR: Task J1

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	20.00		
10TH PERCENTILE	40.00	MINIMUM	0.00
25TH PERCENTILE	60.00	MAXIMUM	100.00
MEDIAN	60.00	MODE	80.00
75TH PERCENTILE	80.00	MEAN	65.91
90TH PERCENTILE	100.00	STANDARD DEVIATION	23.24
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKJ2PC

VARIABLE LABEL: K5 % CORR: Task J2

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	17.86		
10TH PERCENTILE	28.57	MINIMUM	0.00
25TH PERCENTILE	42.86	MAXIMUM	100.00
MEDIAN	57.14	MODE	71.43
75TH PERCENTILE	71.43	MEAN	57.86
90TH PERCENTILE	85.71	STANDARD DEVIATION	22.14
95TH PERCENTILE	85.71		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKJ3PC

VARIABLE LABEL: K5 % CORR: Task J3

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	6.50		
5TH PERCENTILE	30.00		
10TH PERCENTILE	40.00	MINIMUM	0.00
25TH PERCENTILE	60.00	MAXIMUM	100.00
MEDIAN	70.00	MODE	90.00
75TH PERCENTILE	90.00	MEAN	70.03
90TH PERCENTILE	90.00	STANDARD DEVIATION	21.07
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKJ4PC

VARIABLE LABEL: K5 % CORR: Task J4

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	16.66	MINIMUM	0.00
25TH PERCENTILE	33.33	MAXIMUM	100.00
MEDIAN	50.00	MODE	33.33
75TH PERCENTILE	66.66	MEAN	47.64
90TH PERCENTILE	83.33	STANDARD DEVIATION	23.92
95TH PERCENTILE	83.33		
99TH PERCENTILE	89.16		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKJ5PC

VARIABLE LABEL: K5 % CORR: Task J5

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	25.00		
5TH PERCENTILE	25.00		
10TH PERCENTILE	40.61	MINIMUM	0.00
25TH PERCENTILE	50.00	MAXIMUM	100.00
MEDIAN	50.00	MODE	50.00
75TH PERCENTILE	75.00	MEAN	63.02
90TH PERCENTILE	100.00	STANDARD DEVIATION	21.42
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKJ6PC

VARIABLE LABEL: K5 % CORR: Task J6

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	16.66		
10TH PERCENTILE	33.33	MINIMUM	0.00
25TH PERCENTILE	50.00	MAXIMUM	100.00
MEDIAN	66.66	MODE	66.66
75TH PERCENTILE	83.33	MEAN	60.86
90TH PERCENTILE	83.33	STANDARD DEVIATION	21.63
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKK1

VARIABLE LABEL: K5 mos: K/P <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	41.30		
5TH PERCENTILE	54.25		
10TH PERCENTILE	59.87	MINIMUM	38.50
25TH PERCENTILE	68.00	MAXIMUM	100.00
MEDIAN	77.00	MODE	80.00
75TH PERCENTILE	85.00	MEAN	75.73
90TH PERCENTILE	91.00	STANDARD DEVIATION	11.93
95TH PERCENTILE	94.00		
99TH PERCENTILE	99.35		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKK2

VARIABLE LABEL: K5 mos: K/P <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	9.65		
5TH PERCENTILE	13.00		
10TH PERCENTILE	14.00	MINIMUM	7.00
25TH PERCENTILE	17.00	MAXIMUM	31.00
MEDIAN	20.00	MODE	19.00
75TH PERCENTILE	24.00	MEAN	20.10
90TH PERCENTILE	26.00	STANDARD DEVIATION	4.56
95TH PERCENTILE	27.00		
99TH PERCENTILE	30.35		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKK3

VARIABLE LABEL: K5 mos: K/P <K3>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	14.52		
5TH PERCENTILE	18.00		
10TH PERCENTILE	20.50	MINIMUM	10.00
25TH PERCENTILE	24.00	MAXIMUM	42.00
MEDIAN	28.00	MODE	27.00
75TH PERCENTILE	32.00	MEAN	27.84
90TH PERCENTILE	35.50	STANDARD DEVIATION	5.68
95TH PERCENTILE	37.00		
99TH PERCENTILE	41.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GKK4

VARIABLE LABEL: K5 mos: K/P <K4>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	5.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	2.06
90TH PERCENTILE	3.00	STANDARD DEVIATION	1.11
95TH PERCENTILE	4.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK01K1

VARIABLE LABEL: K5 mos: CL 01 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.00	MINIMUM	1.00
25TH PERCENTILE	6.00	MAXIMUM	11.00
MEDIAN	7.00	MODE	7.00
75TH PERCENTILE	8.00	MEAN	6.93
90TH PERCENTILE	9.00	STANDARD DEVIATION	1.95
95TH PERCENTILE	10.00		
99TH PERCENTILE	11.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK01K2

VARIABLE LABEL: K5 mos: CL 01 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	4.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	2.19
90TH PERCENTILE	3.00	STANDARD DEVIATION	0.91
95TH PERCENTILE	4.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK01K4

VARIABLE LABEL: K5 mos: CL 01 <K4>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	4.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	1.84
90TH PERCENTILE	3.00	STANDARD DEVIATION	1.03
95TH PERCENTILE	3.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK02K2

VARIABLE LABEL: K5 mos: CL 02 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	4.00
MEDIAN	3.00	MODE	4.00
75TH PERCENTILE	4.00	MEAN	2.80
90TH PERCENTILE	4.00	STANDARD DEVIATION	1.39
95TH PERCENTILE	4.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK02K3

VARIABLE LABEL: K5 mos: CL 02 <K3>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	1.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	1.00	MEAN	0.54
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.50
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK03K1

VARIABLE LABEL: K5 mos: CL 03 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.00	MINIMUM	0.00
25TH PERCENTILE	5.00	MAXIMUM	7.00
MEDIAN	6.00	MODE	7.00
75TH PERCENTILE	7.00	MEAN	5.95
90TH PERCENTILE	7.00	STANDARD DEVIATION	1.29
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK03K3

VARIABLE LABEL: K5 mos: CL 03 <K3>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	4.33	MINIMUM	0.00
25TH PERCENTILE	6.00	MAXIMUM	9.00
MEDIAN	7.00	MODE	7.00
75TH PERCENTILE	8.00	MEAN	6.67
90TH PERCENTILE	9.00	STANDARD DEVIATION	1.74
95TH PERCENTILE	9.00		
99TH PERCENTILE	9.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK04K1

VARIABLE LABEL: K5 mos: CL 04 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	4.00	MINIMUM	0.33
25TH PERCENTILE	5.00	MAXIMUM	7.00
MEDIAN	6.00	MODE	6.00
75TH PERCENTILE	7.00	MEAN	5.60
90TH PERCENTILE	7.00	STANDARD DEVIATION	1.30
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK04K2

VARIABLE LABEL: K5 mos: CL 04 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.65		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.00	MINIMUM	0.00
25TH PERCENTILE	4.06	MAXIMUM	9.00
MEDIAN	6.00	MODE	7.00
75TH PERCENTILE	7.00	MEAN	5.68
90TH PERCENTILE	8.00	STANDARD DEVIATION	1.81
95TH PERCENTILE	8.00		
99TH PERCENTILE	9.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK05K1

VARIABLE LABEL: K5 mos: CL 05 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	4.00
MEDIAN	3.00	MODE	3.00
75TH PERCENTILE	3.00	MEAN	2.51
90TH PERCENTILE	4.00	STANDARD DEVIATION	1.02
95TH PERCENTILE	4.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK06K1

VARIABLE LABEL: K5 mos: CL 06 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.00	MINIMUM	0.00
25TH PERCENTILE	3.00	MAXIMUM	6.00
MEDIAN	4.00	MODE	4.00
75TH PERCENTILE	4.00	MEAN	3.66
90TH PERCENTILE	5.00	STANDARD DEVIATION	1.22
95TH PERCENTILE	5.75		
99TH PERCENTILE	6.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK06K3

VARIABLE LABEL: K5 mos: CL 06 <K3>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	4.00	MINIMUM	0.00
25TH PERCENTILE	5.00	MAXIMUM	9.00
MEDIAN	7.00	MODE	8.00
75TH PERCENTILE	8.00	MEAN	6.64
90TH PERCENTILE	9.00	STANDARD DEVIATION	2.00
95TH PERCENTILE	9.00		
99TH PERCENTILE	9.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK07K3

VARIABLE LABEL: K5 mos: CL 07 <K3>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.00	MINIMUM	2.00
25TH PERCENTILE	5.00	MAXIMUM	12.00
MEDIAN	7.00	MODE	7.00
75TH PERCENTILE	8.00	MEAN	6.79
90TH PERCENTILE	10.00	STANDARD DEVIATION	2.15
95TH PERCENTILE	11.00		
99TH PERCENTILE	12.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK08K1

VARIABLE LABEL: K5 mos: CL 08 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.65		
5TH PERCENTILE	2.25		
10TH PERCENTILE	4.00	MINIMUM	0.00
25TH PERCENTILE	5.00	MAXIMUM	8.00
MEDIAN	6.00	MODE	6.00
75TH PERCENTILE	7.00	MEAN	5.52
90TH PERCENTILE	7.00	STANDARD DEVIATION	1.46
95TH PERCENTILE	7.00		
99TH PERCENTILE	8.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK11K1

VARIABLE LABEL: K5 mos: CL 11 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.00	MINIMUM	0.00
25TH PERCENTILE	3.00	MAXIMUM	9.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	6.00	MEAN	4.57
90TH PERCENTILE	7.00	STANDARD DEVIATION	1.74
95TH PERCENTILE	7.31		
99TH PERCENTILE	9.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK20K1

VARIABLE LABEL: K5 mos: CL 20 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	4.00	MINIMUM	1.00
25TH PERCENTILE	6.00	MAXIMUM	11.00
MEDIAN	7.00	MODE	7.00
75TH PERCENTILE	8.00	MEAN	7.11
90TH PERCENTILE	9.00	STANDARD DEVIATION	1.95
95TH PERCENTILE	10.00		
99TH PERCENTILE	11.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK20K2

VARIABLE LABEL: K5 mos: CL 20 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	3.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	2.00	MEAN	1.21
90TH PERCENTILE	2.00	STANDARD DEVIATION	0.80
95TH PERCENTILE	3.00		
99TH PERCENTILE	3.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK21K1

VARIABLE LABEL: K5 mos: CL 21 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.00		
5TH PERCENTILE	5.37		
10TH PERCENTILE	6.00	MINIMUM	2.00
25TH PERCENTILE	8.00	MAXIMUM	15.00
MEDIAN	9.00	MODE	9.00
75TH PERCENTILE	11.00	MEAN	9.31
90TH PERCENTILE	12.00	STANDARD DEVIATION	2.32
95TH PERCENTILE	13.00		
99TH PERCENTILE	14.35		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK21K3

VARIABLE LABEL: K5 mos: CL 21 <K3>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	2.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	7.00
MEDIAN	4.00	MODE	5.00
75TH PERCENTILE	5.00	MEAN	3.77
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.71
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK22K1

VARIABLE LABEL: K5 mos: CL 22 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.65		
5TH PERCENTILE	2.00		
10TH PERCENTILE	3.00	MINIMUM	0.00
25TH PERCENTILE	4.00	MAXIMUM	9.00
MEDIAN	6.00	MODE	7.00
75TH PERCENTILE	7.00	MEAN	5.47
90TH PERCENTILE	8.00	STANDARD DEVIATION	1.82
95TH PERCENTILE	8.00		
99TH PERCENTILE	9.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK22K2

VARIABLE LABEL: K5 mos: CL 22 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.65		
5TH PERCENTILE	1.25		
10TH PERCENTILE	2.00	MINIMUM	0.00
25TH PERCENTILE	3.00	MAXIMUM	9.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	6.00	MEAN	4.58
90TH PERCENTILE	7.00	STANDARD DEVIATION	1.79
95TH PERCENTILE	7.81		
99TH PERCENTILE	8.35		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK22K3

VARIABLE LABEL: K5 mos: CL 22 <K3>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	1.00
MEDIAN	0.00	MODE	0.00
75TH PERCENTILE	1.00	MEAN	0.47
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.50
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK23K1

VARIABLE LABEL: K5 mos: CL 23 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	1.74		
5TH PERCENTILE	3.00		
10TH PERCENTILE	4.50	MINIMUM	1.00
25TH PERCENTILE	6.00	MAXIMUM	12.00
MEDIAN	7.00	MODE	7.00
75TH PERCENTILE	9.00	MEAN	7.13
90TH PERCENTILE	10.00	STANDARD DEVIATION	2.16
95TH PERCENTILE	11.00		
99TH PERCENTILE	12.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK23K2

VARIABLE LABEL: K5 mos: CL 23 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.50		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	5.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	2.07
90TH PERCENTILE	3.00	STANDARD DEVIATION	1.03
95TH PERCENTILE	4.00		
99TH PERCENTILE	5.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK23K3

VARIABLE LABEL: K5 mos: CL 23 <K3>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	4.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	4.00	MEAN	2.58
90TH PERCENTILE	4.00	STANDARD DEVIATION	1.07
95TH PERCENTILE	4.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK24K1

VARIABLE LABEL: K5 mos: CL 24 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.00		
5TH PERCENTILE	6.00		
10TH PERCENTILE	7.00	MINIMUM	3.00
25TH PERCENTILE	10.00	MAXIMUM	18.00
MEDIAN	13.00	MODE	13.00
75TH PERCENTILE	14.00	MEAN	11.96
90TH PERCENTILE	16.00	STANDARD DEVIATION	3.15
95TH PERCENTILE	16.00		
99TH PERCENTILE	17.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK24K2

VARIABLE LABEL: K5 mos: CL 24 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	2.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	2.00	MEAN	1.59
90TH PERCENTILE	2.00	STANDARD DEVIATION	0.60
95TH PERCENTILE	2.00		
99TH PERCENTILE	2.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK24K3

VARIABLE LABEL: K5 mos: CL 24 <K3>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	1.00
MEDIAN	0.00	MODE	0.00
75TH PERCENTILE	1.00	MEAN	0.38
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.49
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GK24K4

VARIABLE LABEL: K5 mos: CL 24 <K4>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	1.00
MEDIAN	0.00	MODE	0.00
75TH PERCENTILE	0.00	MEAN	0.22
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.42
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCLB

VARIABLE LABEL: K3 mos: CL B: Basic Soldiering

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.00		
5TH PERCENTILE	6.00		
10TH PERCENTILE	7.60	MINIMUM	3.00
25TH PERCENTILE	9.10	MAXIMUM	18.00
MEDIAN	11.00	MODE	10.00
75TH PERCENTILE	13.00	MEAN	11.03
90TH PERCENTILE	14.00	STANDARD DEVIATION	2.67
95TH PERCENTILE	15.00		
99TH PERCENTILE	16.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCLB1

VARIABLE LABEL: K3 mos: CL B: Basic Soldiering <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	4.00		
10TH PERCENTILE	5.00	MINIMUM	2.00
25TH PERCENTILE	6.00	MAXIMUM	12.00
MEDIAN	8.00	MODE	8.00
75TH PERCENTILE	9.00	MEAN	7.31
90TH PERCENTILE	9.00	STANDARD DEVIATION	1.83
95TH PERCENTILE	10.00		
99TH PERCENTILE	11.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCLB2

VARIABLE LABEL: K3 mos: CL B: Basic Soldiering <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	2.00	MINIMUM	0.00
25TH PERCENTILE	3.00	MAXIMUM	7.00
MEDIAN	4.00	MODE	4.00
75TH PERCENTILE	5.00	MEAN	3.74
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.42
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCLI

VARIABLE LABEL: K3 mos: CL I: ID Target

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	3.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	2.00	MEAN	1.17
90TH PERCENTILE	2.00	STANDARD DEVIATION	0.92
95TH PERCENTILE	3.00		
99TH PERCENTILE	3.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCLI1

VARIABLE LABEL: K3 mos: CL I: ID Target <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	3.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	2.00	MEAN	1.17
90TH PERCENTILE	2.00	STANDARD DEVIATION	0.92
95TH PERCENTILE	3.00		
99TH PERCENTILE	3.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCLS

VARIABLE LABEL: K3 mos: CL S: Safety

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.00		
5TH PERCENTILE	5.10		
10TH PERCENTILE	7.00	MINIMUM	3.00
25TH PERCENTILE	9.00	MAXIMUM	18.00
MEDIAN	11.00	MODE	13.00
75TH PERCENTILE	13.00	MEAN	10.98
90TH PERCENTILE	14.00	STANDARD DEVIATION	2.81
95TH PERCENTILE	15.00		
99TH PERCENTILE	16.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCLS1

VARIABLE LABEL: K3 mos: CL S: Safety <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	3.00		
5TH PERCENTILE	4.00		
10TH PERCENTILE	5.00	MINIMUM	2.00
25TH PERCENTILE	7.00	MAXIMUM	13.00
MEDIAN	8.00	MODE	9.00
75TH PERCENTILE	10.00	MEAN	8.13
90TH PERCENTILE	11.00	STANDARD DEVIATION	2.09
95TH PERCENTILE	11.00		
99TH PERCENTILE	12.12		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCLS2

VARIABLE LABEL: K3 mos: CL S: Safety <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	5.00
MEDIAN	3.00	MODE	3.00
75TH PERCENTILE	4.00	MEAN	2.88
90TH PERCENTILE	4.00	STANDARD DEVIATION	1.19
95TH PERCENTILE	5.00		
99TH PERCENTILE	5.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCLT

VARIABLE LABEL: K3 mos: CL T: Technical

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	37.60		
5TH PERCENTILE	49.60		
10TH PERCENTILE	58.00	MINIMUM	23.00
25TH PERCENTILE	71.00	MAXIMUM	113.00
MEDIAN	79.00	MODE	79.00
75TH PERCENTILE	89.00	MEAN	78.49
90TH PERCENTILE	98.00	STANDARD DEVIATION	15.06
95TH PERCENTILE	100.50		
99TH PERCENTILE	105.50		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCLT1

VARIABLE LABEL: K3 mos: CL T: Technical <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	24.76		
5TH PERCENTILE	35.00		
10TH PERCENTILE	40.80	MINIMUM	22.00
25TH PERCENTILE	49.00	MAXIMUM	80.00
MEDIAN	56.00	MODE	54.00
75TH PERCENTILE	63.00	MEAN	55.67
90TH PERCENTILE	70.00	STANDARD DEVIATION	11.19
95TH PERCENTILE	73.60		
99TH PERCENTILE	79.12		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCLT2

VARIABLE LABEL: K3 mos: CL T: Technical <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	8.76		
5TH PERCENTILE	13.00		
10TH PERCENTILE	16.00	MINIMUM	1.00
25TH PERCENTILE	21.00	MAXIMUM	33.00
MEDIAN	24.00	MODE	26.00
75TH PERCENTILE	26.00	MEAN	22.86
90TH PERCENTILE	28.00	STANDARD DEVIATION	4.73
95TH PERCENTILE	29.00		
99TH PERCENTILE	31.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCLV

VARIABLE LABEL: K3 mos: CL V: Vehicle Maint/Op

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	2.00	MINIMUM	-0.08
25TH PERCENTILE	3.00	MAXIMUM	8.00
MEDIAN	4.00	MODE	4.00
75TH PERCENTILE	5.00	MEAN	3.93
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.72
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCLV1

VARIABLE LABEL: K3 mos: CL V: Vehicle Maint/Op <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	3.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	2.00	MEAN	1.41
90TH PERCENTILE	3.00	STANDARD DEVIATION	0.88
95TH PERCENTILE	3.00		
99TH PERCENTILE	3.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCLV2

VARIABLE LABEL: K3 mos: CL V: Vehicle Maint/Op <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	5.00
MEDIAN	3.00	MODE	3.00
75TH PERCENTILE	3.00	MEAN	2.53
90TH PERCENTILE	4.00	STANDARD DEVIATION	1.30
95TH PERCENTILE	5.00		
99TH PERCENTILE	5.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL01

VARIABLE LABEL: K3 mos: CL 01

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.40		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	5.00	MAXIMUM	10.00
MEDIAN	6.00	MODE	7.00
75TH PERCENTILE	7.00	MEAN	5.94
90TH PERCENTILE	8.00	STANDARD DEVIATION	1.94
95TH PERCENTILE	9.00		
99TH PERCENTILE	10.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL02

VARIABLE LABEL: K3 mos: CL 02

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	4.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	2.20
90TH PERCENTILE	3.00	STANDARD DEVIATION	0.95
95TH PERCENTILE	4.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL03

VARIABLE LABEL: K3 mos: CL 03

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.18		
5TH PERCENTILE	2.00		
10TH PERCENTILE	3.00	MINIMUM	0.00
25TH PERCENTILE	4.00	MAXIMUM	8.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	6.00	MEAN	5.07
90TH PERCENTILE	7.00	STANDARD DEVIATION	1.40
95TH PERCENTILE	7.00		
99TH PERCENTILE	8.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL04

VARIABLE LABEL: K3 mos: CL 04

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	3.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	2.00	MEAN	1.67
90TH PERCENTILE	3.00	STANDARD DEVIATION	0.77
95TH PERCENTILE	3.00		
99TH PERCENTILE	3.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL05

VARIABLE LABEL: K3 mos: CL 05

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	2.00	MINIMUM	0.00
25TH PERCENTILE	3.00	MAXIMUM	6.00
MEDIAN	3.00	MODE	3.00
75TH PERCENTILE	4.00	MEAN	3.26
90TH PERCENTILE	5.00	STANDARD DEVIATION	1.09
95TH PERCENTILE	5.00		
99TH PERCENTILE	6.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL07

VARIABLE LABEL: K3 mos: CL 07

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	3.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	2.00	MEAN	1.17
90TH PERCENTILE	2.00	STANDARD DEVIATION	0.92
95TH PERCENTILE	3.00		
99TH PERCENTILE	3.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL08

VARIABLE LABEL: K3 mos: CL 08

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.88		
5TH PERCENTILE	1.00		
10TH PERCENTILE	2.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	4.00
MEDIAN	3.00	MODE	4.00
75TH PERCENTILE	4.00	MEAN	3.04
90TH PERCENTILE	4.00	STANDARD DEVIATION	0.98
95TH PERCENTILE	4.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL09

VARIABLE LABEL: K3 mos: CL 09

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	2.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	1.00	MEAN	0.89
90TH PERCENTILE	2.00	STANDARD DEVIATION	0.71
95TH PERCENTILE	2.00		
99TH PERCENTILE	2.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL11

VARIABLE LABEL: K3 mos: CL 11

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	4.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	2.02
90TH PERCENTILE	3.00	STANDARD DEVIATION	1.10
95TH PERCENTILE	4.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL16

VARIABLE LABEL: K3 mos: CL 16

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	3.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	2.00	MEAN	1.41
90TH PERCENTILE	3.00	STANDARD DEVIATION	0.88
95TH PERCENTILE	3.00		
99TH PERCENTILE	3.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL20

VARIABLE LABEL: K3 mos: CL 20

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	1.00		
5TH PERCENTILE	3.40		
10TH PERCENTILE	5.00	MINIMUM	1.00
25TH PERCENTILE	7.00	MAXIMUM	11.00
MEDIAN	8.00	MODE	9.00
75TH PERCENTILE	9.00	MEAN	7.98
90TH PERCENTILE	10.00	STANDARD DEVIATION	2.18
95TH PERCENTILE	11.00		
99TH PERCENTILE	11.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL21

VARIABLE LABEL: K3 mos: CL 21

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	18.52		
5TH PERCENTILE	25.00		
10TH PERCENTILE	31.80	MINIMUM	15.00
25TH PERCENTILE	38.00	MAXIMUM	62.00
MEDIAN	43.00	MODE	41.00
75TH PERCENTILE	49.00	MEAN	42.86
90TH PERCENTILE	53.00	STANDARD DEVIATION	8.71
95TH PERCENTILE	56.00		
99TH PERCENTILE	58.48		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL22

VARIABLE LABEL: K3 mos: CL 22

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.00	MINIMUM	1.00
25TH PERCENTILE	3.00	MAXIMUM	8.00
MEDIAN	4.00	MODE	4.00
75TH PERCENTILE	5.00	MEAN	4.17
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.40
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.12		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL23

VARIABLE LABEL: K3 mos: CL 23

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	3.88		
5TH PERCENTILE	7.40		
10TH PERCENTILE	9.00	MINIMUM	3.00
25TH PERCENTILE	12.00	MAXIMUM	24.00
MEDIAN	14.00	MODE	14.00
75TH PERCENTILE	17.00	MEAN	14.25
90TH PERCENTILE	19.00	STANDARD DEVIATION	3.70
95TH PERCENTILE	20.00		
99TH PERCENTILE	22.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL24

VARIABLE LABEL: K3 mos: CL 24

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	3.88		
5TH PERCENTILE	6.00		
10TH PERCENTILE	7.00	MINIMUM	1.00
25TH PERCENTILE	8.00	MAXIMUM	13.00
MEDIAN	10.00	MODE	10.00
75TH PERCENTILE	11.00	MEAN	9.28
90TH PERCENTILE	12.00	STANDARD DEVIATION	2.01
95TH PERCENTILE	12.00		
99TH PERCENTILE	13.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSCL27

VARIABLE LABEL: K3 mos: CL 27

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	1.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	1.00	MEAN	0.51
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.50
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSK1

VARIABLE LABEL: K3 mos: K/P <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	37.64		
5TH PERCENTILE	49.00		
10TH PERCENTILE	55.00	MINIMUM	32.00
25TH PERCENTILE	64.00	MAXIMUM	103.00
MEDIAN	75.00	MODE	75.00
75TH PERCENTILE	84.00	MEAN	73.69
90TH PERCENTILE	92.00	STANDARD DEVIATION	14.05
95TH PERCENTILE	95.00		
99TH PERCENTILE	103.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GSK2

VARIABLE LABEL: K3 mos: K/P <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	12.00		
5TH PERCENTILE	19.00		
10TH PERCENTILE	21.00	MINIMUM	5.00
25TH PERCENTILE	29.00	MAXIMUM	44.00
MEDIAN	33.00	MODE	33.00
75TH PERCENTILE	36.20	MEAN	32.02
90TH PERCENTILE	40.00	STANDARD DEVIATION	6.74
95TH PERCENTILE	41.00		
99TH PERCENTILE	44.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS01K1

VARIABLE LABEL: K3 mos: CL 01 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.88		
5TH PERCENTILE	1.00		
10TH PERCENTILE	2.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	6.00
MEDIAN	3.00	MODE	3.00
75TH PERCENTILE	4.00	MEAN	3.40
90TH PERCENTILE	5.00	STANDARD DEVIATION	1.33
95TH PERCENTILE	5.00		
99TH PERCENTILE	6.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS01K2

VARIABLE LABEL: K3 mos: CL 01 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.40		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	4.00
MEDIAN	3.00	MODE	3.00
75TH PERCENTILE	3.00	MEAN	2.54
90TH PERCENTILE	4.00	STANDARD DEVIATION	1.03
95TH PERCENTILE	4.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS02K1

VARIABLE LABEL: K3 mos: CL 02 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	3.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	2.00	MEAN	1.62
90TH PERCENTILE	2.00	STANDARD DEVIATION	0.73
95TH PERCENTILE	3.00		
99TH PERCENTILE	3.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS02K2

VARIABLE LABEL: K3 mos: CL 02 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	1.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	1.00	MEAN	0.58
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.49
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS03K1

VARIABLE LABEL: K3 mos: CL 03 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.18		
5TH PERCENTILE	2.00		
10TH PERCENTILE	3.00	MINIMUM	0.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	6.00	MEAN	4.73
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.24
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS03K2

VARIABLE LABEL: K3 mos: CL 03 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	1.00
MEDIAN	0.00	MODE	0.00
75TH PERCENTILE	1.00	MEAN	0.34
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.47
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS04K1

VARIABLE LABEL: K3 mos: CL 04 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	1.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	1.00	MEAN	0.71
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.46
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS04K2

VARIABLE LABEL: K3 mos: CL 04 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	2.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	1.00	MEAN	0.97
90TH PERCENTILE	2.00	STANDARD DEVIATION	0.57
95TH PERCENTILE	2.00		
99TH PERCENTILE	2.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS05K1

VARIABLE LABEL: K3 mos: CL 05 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	5.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	2.50
90TH PERCENTILE	4.00	STANDARD DEVIATION	0.99
95TH PERCENTILE	4.00		
99TH PERCENTILE	5.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS05K2

VARIABLE LABEL: K3 mos: CL 05 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	1.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	1.00	MEAN	0.76
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.43
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS07K1

VARIABLE LABEL: K3 mos: CL 07 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	3.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	2.00	MEAN	1.17
90TH PERCENTILE	2.00	STANDARD DEVIATION	0.92
95TH PERCENTILE	3.00		
99TH PERCENTILE	3.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS08K1

VARIABLE LABEL: K3 mos: CL 08 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.88		
5TH PERCENTILE	1.00		
10TH PERCENTILE	2.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	3.00
MEDIAN	3.00	MODE	3.00
75TH PERCENTILE	3.00	MEAN	2.49
90TH PERCENTILE	3.00	STANDARD DEVIATION	0.68
95TH PERCENTILE	3.00		
99TH PERCENTILE	3.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS08K2

VARIABLE LABEL: K3 mos: CL 08 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	1.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	1.00	MEAN	0.55
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.50
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS09K2

VARIABLE LABEL: K3 mos: CL 09 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	2.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	1.00	MEAN	0.89
90TH PERCENTILE	2.00	STANDARD DEVIATION	0.71
95TH PERCENTILE	2.00		
99TH PERCENTILE	2.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS11K2

VARIABLE LABEL: K3 mos: CL 11 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	4.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	2.02
90TH PERCENTILE	3.00	STANDARD DEVIATION	1.10
95TH PERCENTILE	4.00		
99TH PERCENTILE	4.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS16K1

VARIABLE LABEL: K3 mos: CL 16 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	3.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	2.00	MEAN	1.41
90TH PERCENTILE	3.00	STANDARD DEVIATION	0.88
95TH PERCENTILE	3.00		
99TH PERCENTILE	3.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS20K1

VARIABLE LABEL: K3 mos: CL 20 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	5.00
MEDIAN	3.00	MODE	3.00
75TH PERCENTILE	4.00	MEAN	2.92
90TH PERCENTILE	4.00	STANDARD DEVIATION	1.21
95TH PERCENTILE	5.00		
99TH PERCENTILE	5.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS20K2

VARIABLE LABEL: K3 mos: CL 20 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	6.00	MEAN	5.06
90TH PERCENTILE	7.00	STANDARD DEVIATION	1.47
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS21K1

VARIABLE LABEL: K3 mos: CL 21 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	12.88		
5TH PERCENTILE	20.40		
10TH PERCENTILE	23.00	MINIMUM	11.00
25TH PERCENTILE	28.00	MAXIMUM	47.00
MEDIAN	33.00	MODE	34.00
75TH PERCENTILE	38.00	MEAN	32.59
90TH PERCENTILE	41.00	STANDARD DEVIATION	6.86
95TH PERCENTILE	42.60		
99TH PERCENTILE	45.12		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS21K2

VARIABLE LABEL: K3 mos: CL 21 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.00		
5TH PERCENTILE	6.00		
10TH PERCENTILE	7.00	MINIMUM	0.00
25TH PERCENTILE	9.00	MAXIMUM	16.00
MEDIAN	11.00	MODE	12.00
75TH PERCENTILE	12.00	MEAN	10.27
90TH PERCENTILE	13.00	STANDARD DEVIATION	2.57
95TH PERCENTILE	14.00		
99TH PERCENTILE	15.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS22K1

VARIABLE LABEL: K3 mos: CL 22 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	2.00	MAXIMUM	5.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	2.26
90TH PERCENTILE	4.00	STANDARD DEVIATION	1.03
95TH PERCENTILE	4.00		
99TH PERCENTILE	5.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS22K2

VARIABLE LABEL: K3 mos: CL 22 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	3.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	1.91
90TH PERCENTILE	3.00	STANDARD DEVIATION	0.82
95TH PERCENTILE	3.00		
99TH PERCENTILE	3.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS23K1

VARIABLE LABEL: K3 mos: CL 23 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	3.00		
5TH PERCENTILE	6.00		
10TH PERCENTILE	8.00	MINIMUM	3.00
25TH PERCENTILE	10.00	MAXIMUM	21.00
MEDIAN	12.00	MODE	12.00
75TH PERCENTILE	15.00	MEAN	12.51
90TH PERCENTILE	17.00	STANDARD DEVIATION	3.35
95TH PERCENTILE	18.00		
99TH PERCENTILE	20.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS23K2

VARIABLE LABEL: K3 mos: CL 23 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	1.00	MINIMUM	0.00
25TH PERCENTILE	1.00	MAXIMUM	3.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	2.00	MEAN	1.74
90TH PERCENTILE	3.00	STANDARD DEVIATION	0.82
95TH PERCENTILE	3.00		
99TH PERCENTILE	3.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS24K1

VARIABLE LABEL: K3 mos: CL 24 <K1>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	4.00	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	8.00
MEDIAN	6.00	MODE	6.00
75TH PERCENTILE	6.00	MEAN	5.39
90TH PERCENTILE	7.00	STANDARD DEVIATION	1.40
95TH PERCENTILE	8.00		
99TH PERCENTILE	8.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS24K2

VARIABLE LABEL: K3 mos: CL 24 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	3.00	MINIMUM	0.00
25TH PERCENTILE	3.00	MAXIMUM	5.00
MEDIAN	4.00	MODE	4.00
75TH PERCENTILE	5.00	MEAN	3.89
90TH PERCENTILE	5.00	STANDARD DEVIATION	1.01
95TH PERCENTILE	5.00		
99TH PERCENTILE	5.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3GS27K2

VARIABLE LABEL: K3 mos: CL 27 <K2>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	1.00
MEDIAN	1.00	MODE	1.00
75TH PERCENTILE	1.00	MEAN	0.51
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.50
95TH PERCENTILE	1.00		
99TH PERCENTILE	1.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3HCTP

VARIABLE LABEL: HO Core Technical Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	40.79		
5TH PERCENTILE	60.24		
10TH PERCENTILE	65.96	MINIMUM	39.89
25TH PERCENTILE	73.25	MAXIMUM	99.80
MEDIAN	79.04	MODE	77.36
75TH PERCENTILE	84.56	MEAN	78.16
90TH PERCENTILE	89.48	STANDARD DEVIATION	9.76
95TH PERCENTILE	91.49		
99TH PERCENTILE	96.49		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3HGSP

VARIABLE LABEL: HO Gen Soldiering Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	43.60		
5TH PERCENTILE	51.33		
10TH PERCENTILE	56.35	MINIMUM	36.69
25TH PERCENTILE	62.42	MAXIMUM	91.93
MEDIAN	69.92	MODE	36.69
75TH PERCENTILE	78.40	MEAN	69.79
90TH PERCENTILE	82.62	STANDARD DEVIATION	10.40
95TH PERCENTILE	84.80		
99TH PERCENTILE	88.94		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3ID

VARIABLE LABEL: CV Assigned ID

This is an alpha-numeric ID code that was assigned to the soldier during CV testing. This code is unique only within POST and MOS.

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3KCTP

VARIABLE LABEL: K5 Core Technical Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	23.49		
5TH PERCENTILE	36.50		
10TH PERCENTILE	43.00	MINIMUM	21.44
25TH PERCENTILE	49.43	MAXIMUM	83.00
MEDIAN	57.08	MODE	57.00
75TH PERCENTILE	66.15	MEAN	57.30
90TH PERCENTILE	72.00	STANDARD DEVIATION	11.45
95TH PERCENTILE	74.50		
99TH PERCENTILE	80.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3KGSP

VARIABLE LABEL: K5 Gen Soldiering Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	35.80		
5TH PERCENTILE	47.12		
10TH PERCENTILE	53.00	MINIMUM	33.00
25TH PERCENTILE	61.13	MAXIMUM	96.00
MEDIAN	68.25	MODE	70.00
75TH PERCENTILE	75.00	MEAN	67.45
90TH PERCENTILE	81.00	STANDARD DEVIATION	10.93
95TH PERCENTILE	83.00		
99TH PERCENTILE	89.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MOS

VARIABLE LABEL: CV MOS Code

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 3

VALUE:MEANING	FREQUENCY	PERCENT
mos	289	100.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPCF01

VARIABLE LABEL: MOB mos: Factor I <Comb>

VARIABLE TYPE: NUMERIC

NUMBER OF DIGITS: 2

1ST PERCENTILE	8.90		
5TH PERCENTILE	10.33		
10TH PERCENTILE	11.67	MINIMUM	6.77
25TH PERCENTILE	13.00	MAXIMUM	20.00
MEDIAN	14.50	MODE	15.50
75TH PERCENTILE	15.67	MEAN	14.30
90TH PERCENTILE	17.00	STANDARD DEVIATION	2.11
95TH PERCENTILE	17.79		
99TH PERCENTILE	18.58		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPCF02

VARIABLE LABEL: MOB mos: Factor II <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	7.95		
5TH PERCENTILE	10.71		
10TH PERCENTILE	11.50	MINIMUM	7.00
25TH PERCENTILE	13.00	MAXIMUM	21.00
MEDIAN	14.50	MODE	16.00
75TH PERCENTILE	15.89	MEAN	14.38
90TH PERCENTILE	17.00	STANDARD DEVIATION	2.19
95TH PERCENTILE	17.90		
99TH PERCENTILE	19.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPCF03

VARIABLE LABEL: MOB mos: Overall <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.87		
5TH PERCENTILE	7.31		
10TH PERCENTILE	7.86	MINIMUM	4.13
25TH PERCENTILE	8.87	MAXIMUM	13.83
MEDIAN	9.83	MODE	9.50
75TH PERCENTILE	10.64	MEAN	9.73
90TH PERCENTILE	11.51	STANDARD DEVIATION	1.44
95TH PERCENTILE	12.10		
99TH PERCENTILE	12.76		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	288
NUMBER OF CASES WITH MISSING VALUES	1
PERCENT OF CASES WITH MISSING VALUES	0.35

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPCMOT

VARIABLE LABEL: MOB:Avg across MOS BARS <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.07		
5TH PERCENTILE	3.50		
10TH PERCENTILE	3.86	MINIMUM	2.29
25TH PERCENTILE	4.41	MAXIMUM	6.83
MEDIAN	4.81	MODE	4.67
75TH PERCENTILE	5.20	MEAN	4.78
90TH PERCENTILE	5.61	STANDARD DEVIATION	0.67
95TH PERCENTILE	5.88		
99TH PERCENTILE	6.26		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	288
NUMBER OF CASES WITH MISSING VALUES	1
PERCENT OF CASES WITH MISSING VALUES	0.35

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC01

VARIABLE LABEL: MOB mos:Inspect/Service Equip <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	1.83
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.50	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.48
90TH PERCENTILE	5.50	STANDARD DEVIATION	0.80
95TH PERCENTILE	5.64		
99TH PERCENTILE	6.52		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	288
NUMBER OF CASES WITH MISSING VALUES	1
PERCENT OF CASES WITH MISSING VALUES	0.35

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC02

VARIABLE LABEL: MOB mos:Install/Repair Equip <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.48		
5TH PERCENTILE	3.44		
10TH PERCENTILE	4.00	MINIMUM	2.00
25TH PERCENTILE	4.33	MAXIMUM	6.67
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.47	MEAN	4.85
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.81
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.50		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	288
NUMBER OF CASES WITH MISSING VALUES	1
PERCENT OF CASES WITH MISSING VALUES	0.35

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC03

VARIABLE LABEL: MOB mos:Operate Comm. Device <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.96		
5TH PERCENTILE	3.50		
10TH PERCENTILE	4.00	MINIMUM	2.60
25TH PERCENTILE	4.42	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.96
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.81
95TH PERCENTILE	6.33		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	288
NUMBER OF CASES WITH MISSING VALUES	1
PERCENT OF CASES WITH MISSING VALUES	0.35

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC04

VARIABLE LABEL: MOB mos:Prepare Reports <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.00		
5TH PERCENTILE	3.20		
10TH PERCENTILE	3.50	MINIMUM	2.20
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.60	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.58
90TH PERCENTILE	5.61	STANDARD DEVIATION	0.80
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.70		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	288
NUMBER OF CASES WITH MISSING VALUES	1
PERCENT OF CASES WITH MISSING VALUES	0.35

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC05

VARIABLE LABEL: MOB mos:Maint Security <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.44		
5TH PERCENTILE	3.50		
10TH PERCENTILE	4.00	MINIMUM	1.50
25TH PERCENTILE	4.50	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.98
90TH PERCENTILE	6.02	STANDARD DEVIATION	0.88
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	288
NUMBER OF CASES WITH MISSING VALUES	1
PERCENT OF CASES WITH MISSING VALUES	0.35

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC06

VARIABLE LABEL: MOB mos:Provide Safe Transp <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.18		
5TH PERCENTILE	3.07		
10TH PERCENTILE	3.67	MINIMUM	1.67
25TH PERCENTILE	4.25	MAXIMUM	7.00
MEDIAN	4.93	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.81
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.91
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	288
NUMBER OF CASES WITH MISSING VALUES	1
PERCENT OF CASES WITH MISSING VALUES	0.35

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPC99

VARIABLE LABEL: MOB mos:Overall Performance <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.47		
5TH PERCENTILE	3.67		
10TH PERCENTILE	4.00	MINIMUM	1.83
25TH PERCENTILE	4.40	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.96
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.85
95TH PERCENTILE	6.31		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	288
NUMBER OF CASES WITH MISSING VALUES	1
PERCENT OF CASES WITH MISSING VALUES	0.35

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPPF01

VARIABLE LABEL: MOB mos: Factor I <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	8.57		
5TH PERCENTILE	10.00		
10TH PERCENTILE	11.50	MINIMUM	5.83
25TH PERCENTILE	13.00	MAXIMUM	21.00
MEDIAN	14.50	MODE	14.00
75TH PERCENTILE	16.00	MEAN	14.41
90TH PERCENTILE	17.07	STANDARD DEVIATION	2.32
95TH PERCENTILE	18.00		
99TH PERCENTILE	20.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	256
NUMBER OF CASES WITH MISSING VALUES	33
PERCENT OF CASES WITH MISSING VALUES	11.42

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPPF02

VARIABLE LABEL: MOB mós: Factor II <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	7.68		
5TH PERCENTILE	10.00		
10TH PERCENTILE	11.67	MINIMUM	7.00
25TH PERCENTILE	13.27	MAXIMUM	21.00
MEDIAN	15.00	MODE	14.00
75TH PERCENTILE	16.33	MEAN	14.76
90TH PERCENTILE	18.00	STANDARD DEVIATION	2.45
95TH PERCENTILE	18.52		
99TH PERCENTILE	20.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	256
NUMBER OF CASES WITH MISSING VALUES	33
PERCENT OF CASES WITH MISSING VALUES	11.42

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPPF03

VARIABLE LABEL: MOB mos: Overall <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.82		
5TH PERCENTILE	7.17		
10TH PERCENTILE	7.95	MINIMUM	3.68
25TH PERCENTILE	9.00	MAXIMUM	13.83
MEDIAN	9.95	MODE	10.83
75TH PERCENTILE	10.83	MEAN	9.89
90TH PERCENTILE	11.83	STANDARD DEVIATION	1.52
95TH PERCENTILE	12.17		
99TH PERCENTILE	13.68		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	256
NUMBER OF CASES WITH MISSING VALUES	33
PERCENT OF CASES WITH MISSING VALUES	11.42

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPPMOT

VARIABLE LABEL: MOB:Avg across MOS BARS <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.86		
5TH PERCENTILE	3.53		
10TH PERCENTILE	3.83	MINIMUM	2.18
25TH PERCENTILE	4.45	MAXIMUM	6.83
MEDIAN	4.88	MODE	4.67
75TH PERCENTILE	5.39	MEAN	4.86
90TH PERCENTILE	5.83	STANDARD DEVIATION	0.75
95TH PERCENTILE	5.95		
99TH PERCENTILE	6.68		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	256
NUMBER OF CASES WITH MISSING VALUES	33
PERCENT OF CASES WITH MISSING VALUES	11.42

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP01

VARIABLE LABEL: MOB mos:Inspect/Service Equip <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.89		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.45	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.75	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.63
90TH PERCENTILE	5.75	STANDARD DEVIATION	0.94
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	256
NUMBER OF CASES WITH MISSING VALUES	33
PERCENT OF CASES WITH MISSING VALUES	11.42

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP02

VARIABLE LABEL: MOB mos:Install/Repair Equip <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.28		
5TH PERCENTILE	3.50		
10TH PERCENTILE	3.92	MINIMUM	1.75
25TH PERCENTILE	4.27	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.86
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.87
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	256
NUMBER OF CASES WITH MISSING VALUES	33
PERCENT OF CASES WITH MISSING VALUES	11.42

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP03

VARIABLE LABEL: MOB mos:Operate Comm. Device <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.78		
5TH PERCENTILE	3.25		
10TH PERCENTILE	4.00	MINIMUM	2.33
25TH PERCENTILE	4.33	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.93
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.90
95TH PERCENTILE	6.36		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	256
NUMBER OF CASES WITH MISSING VALUES	33
PERCENT OF CASES WITH MISSING VALUES	11.42

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP04

VARIABLE LABEL: MOB mos:Prepare Reports <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.67	MODE	5.00
75TH PERCENTILE	5.33	MEAN	4.70
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.98
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	256
NUMBER OF CASES WITH MISSING VALUES	33
PERCENT OF CASES WITH MISSING VALUES	11.42

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP05

VARIABLE LABEL: MOB mos:Maint Security <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.50		
10TH PERCENTILE	4.00	MINIMUM	1.00
25TH PERCENTILE	4.50	MAXIMUM	7.00
MEDIAN	5.10	MODE	5.00
75TH PERCENTILE	5.75	MEAN	5.09
90TH PERCENTILE	6.25	STANDARD DEVIATION	1.00
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	256
NUMBER OF CASES WITH MISSING VALUES	33
PERCENT OF CASES WITH MISSING VALUES	11.42

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP06

VARIABLE LABEL: MOB mos:Provide Safe Transp <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.67	MINIMUM	2.00
25TH PERCENTILE	4.50	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.67	MEAN	4.97
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.02
95TH PERCENTILE	6.52		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	256
NUMBER OF CASES WITH MISSING VALUES	33
PERCENT OF CASES WITH MISSING VALUES	11.42

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPP99

VARIABLE LABEL: MOB mos:Overall Performance <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.39		
5TH PERCENTILE	3.66		
10TH PERCENTILE	4.00	MINIMUM	1.50
25TH PERCENTILE	4.50	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	5.03
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.87
95TH PERCENTILE	6.36		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	256
NUMBER OF CASES WITH MISSING VALUES	33
PERCENT OF CASES WITH MISSING VALUES	11.42

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPSF01

VARIABLE LABEL: MOB mos: Factor I <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	7.00		
5TH PERCENTILE	9.00		
10TH PERCENTILE	10.00	MINIMUM	6.00
25TH PERCENTILE	12.00	MAXIMUM	20.50
MEDIAN	14.50	MODE	15.00
75TH PERCENTILE	16.00	MEAN	14.10
90TH PERCENTILE	18.00	STANDARD DEVIATION	2.82
95TH PERCENTILE	18.50		
99TH PERCENTILE	19.17		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	278
NUMBER OF CASES WITH MISSING VALUES	11
PERCENT OF CASES WITH MISSING VALUES	3.81

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPSF02

VARIABLE LABEL: MOB mos: Factor II <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.00		
5TH PERCENTILE	8.50		
10TH PERCENTILE	10.00	MINIMUM	5.00
25TH PERCENTILE	11.50	MAXIMUM	21.00
MEDIAN	14.00	MODE	14.00
75TH PERCENTILE	16.00	MEAN	13.90
90TH PERCENTILE	18.00	STANDARD DEVIATION	3.05
95TH PERCENTILE	18.50		
99TH PERCENTILE	20.21		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	278
NUMBER OF CASES WITH MISSING VALUES	11
PERCENT OF CASES WITH MISSING VALUES	3.81

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPSF03

VARIABLE LABEL: MOB mos: Overall <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.85		
5TH PERCENTILE	6.00		
10TH PERCENTILE	6.92	MINIMUM	4.58
25TH PERCENTILE	8.33	MAXIMUM	13.67
MEDIAN	9.67	MODE	9.83
75TH PERCENTILE	10.94	MEAN	9.55
90TH PERCENTILE	11.83	STANDARD DEVIATION	1.88
95TH PERCENTILE	12.42		
99TH PERCENTILE	13.53		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	278
NUMBER OF CASES WITH MISSING VALUES	11
PERCENT OF CASES WITH MISSING VALUES	3.81

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPSMOT

VARIABLE LABEL: MOB:Avg across MOS BARS <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.15		
5TH PERCENTILE	3.04		
10TH PERCENTILE	3.49	MINIMUM	2.00
25TH PERCENTILE	4.08	MAXIMUM	6.67
MEDIAN	4.75	MODE	4.33
75TH PERCENTILE	5.33	MEAN	4.67
90TH PERCENTILE	5.83	STANDARD DEVIATION	0.92
95TH PERCENTILE	6.08		
99TH PERCENTILE	6.67		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	278
NUMBER OF CASES WITH MISSING VALUES	11
PERCENT OF CASES WITH MISSING VALUES	3.81

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS01

VARIABLE LABEL: MOB mos:Inspect/Service Equip <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	3.00	MINIMUM	1.50
25TH PERCENTILE	3.50	MAXIMUM	7.00
MEDIAN	4.50	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.32
90TH PERCENTILE	5.50	STANDARD DEVIATION	1.09
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.50		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	278
NUMBER OF CASES WITH MISSING VALUES	11
PERCENT OF CASES WITH MISSING VALUES	3.81

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS02

VARIABLE LABEL: MOB mos:Install/Repair Equip <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	2.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.87
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.08
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	278
NUMBER OF CASES WITH MISSING VALUES	11
PERCENT OF CASES WITH MISSING VALUES	3.81

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS03

VARIABLE LABEL: MOB mos:Operate Comm. Device <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.69	MEAN	4.92
90TH PERCENTILE	6.50	STANDARD DEVIATION	1.10
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	278
NUMBER OF CASES WITH MISSING VALUES	11
PERCENT OF CASES WITH MISSING VALUES	3.81

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS04

VARIABLE LABEL: MOB mos:Prepare Reports <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.50		
10TH PERCENTILE	3.00	MINIMUM	2.00
25TH PERCENTILE	3.50	MAXIMUM	7.00
MEDIAN	4.50	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.42
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.12
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	278
NUMBER OF CASES WITH MISSING VALUES	11
PERCENT OF CASES WITH MISSING VALUES	3.81

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS05

VARIABLE LABEL: MOB mos:Maint Security <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.39		
5TH PERCENTILE	2.50		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.82
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.21
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	278
NUMBER OF CASES WITH MISSING VALUES	11
PERCENT OF CASES WITH MISSING VALUES	3.81

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS06

VARIABLE LABEL: MOB mos:Provide Safe Transp <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.39		
5TH PERCENTILE	2.50		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.67
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.25
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	278
NUMBER OF CASES WITH MISSING VALUES	11
PERCENT OF CASES WITH MISSING VALUES	3.81

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MPS99

VARIABLE LABEL: MOB mos:Overall Performance <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	2.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.85	MEAN	4.88
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.08
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	278
NUMBER OF CASES WITH MISSING VALUES	11
PERCENT OF CASES WITH MISSING VALUES	3.81

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCCB

VARIABLE LABEL: MOT mos: CL B: Basic Soldering <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.95		
5TH PERCENTILE	7.48		
10TH PERCENTILE	7.97	MINIMUM	4.33
25TH PERCENTILE	8.50	MAXIMUM	14.00
MEDIAN	9.50	MODE	8.00
75TH PERCENTILE	10.50	MEAN	9.55
90TH PERCENTILE	11.33	STANDARD DEVIATION	1.37
95TH PERCENTILE	12.00		
99TH PERCENTILE	13.15		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCCC

VARIABLE LABEL: MOT mos: CL C: Communication <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.92		
5TH PERCENTILE	7.63		
10TH PERCENTILE	8.00	MINIMUM	5.60
25TH PERCENTILE	9.00	MAXIMUM	14.00
MEDIAN	10.00	MODE	9.00
75TH PERCENTILE	11.00	MEAN	9.98
90TH PERCENTILE	11.95	STANDARD DEVIATION	1.47
95TH PERCENTILE	12.42		
99TH PERCENTILE	13.77		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCCS

VARIABLE LABEL: MOT mos: CL S: Safety/Survival <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.76		
5TH PERCENTILE	7.57		
10TH PERCENTILE	8.00	MINIMUM	6.35
25TH PERCENTILE	8.94	MAXIMUM	14.00
MEDIAN	9.67	MODE	9.50
75TH PERCENTILE	10.79	MEAN	9.82
90TH PERCENTILE	11.53	STANDARD DEVIATION	1.41
95TH PERCENTILE	12.09		
99TH PERCENTILE	14.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCCT

VARIABLE LABEL: MOT mos: CL T: Technical Skill <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	23.09		
5TH PERCENTILE	31.12		
10TH PERCENTILE	33.08	MINIMUM	21.00
25TH PERCENTILE	36.17	MAXIMUM	53.00
MEDIAN	39.63	MODE	34.33
75TH PERCENTILE	42.81	MEAN	39.55
90TH PERCENTILE	46.53	STANDARD DEVIATION	5.31
95TH PERCENTILE	48.05		
99TH PERCENTILE	51.65		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCCV

VARIABLE LABEL: MOT mos: CL V: Vehicle Maint/Op <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.11		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.00	MINIMUM	3.00
25TH PERCENTILE	4.67	MAXIMUM	7.00
MEDIAN	5.14	MODE	5.00
75TH PERCENTILE	5.67	MEAN	5.17
90TH PERCENTILE	6.26	STANDARD DEVIATION	0.79
95TH PERCENTILE	6.59		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCC01

VARIABLE LABEL: MOT mos: CL 01 <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.74		
5TH PERCENTILE	3.54		
10TH PERCENTILE	4.00	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.75	MODE	4.00
75TH PERCENTILE	5.50	MEAN	4.84
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.87
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCC02

VARIABLE LABEL: MOT mos: CL 02 <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.91		
5TH PERCENTILE	3.33		
10TH PERCENTILE	3.59	MINIMUM	2.33
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.63	MODE	4.00
75TH PERCENTILE	5.00	MEAN	4.66
90TH PERCENTILE	5.76	STANDARD DEVIATION	0.85
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCC03

VARIABLE LABEL: MOT mos: CL 03 <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.47		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.00	MINIMUM	3.33
25TH PERCENTILE	4.50	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.98
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.74
95TH PERCENTILE	6.33		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCC04

VARIABLE LABEL: MOT mos: CL 04 <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.00		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.00	MINIMUM	2.00
25TH PERCENTILE	4.33	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.38	MEAN	4.89
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.78
95TH PERCENTILE	6.25		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCC06

VARIABLE LABEL: MOT mos: CL 06 <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.92		
5TH PERCENTILE	7.63		
10TH PERCENTILE	8.00	MINIMUM	5.60
25TH PERCENTILE	9.00	MAXIMUM	14.00
MEDIAN	10.00	MODE	9.00
75TH PERCENTILE	11.00	MEAN	9.98
90TH PERCENTILE	11.95	STANDARD DEVIATION	1.47
95TH PERCENTILE	12.42		
99TH PERCENTILE	13.77		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCC11

VARIABLE LABEL: MOT mos: CL 11 <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.11		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.00	MINIMUM	3.00
25TH PERCENTILE	4.67	MAXIMUM	7.00
MEDIAN	5.14	MODE	5.00
75TH PERCENTILE	5.67	MEAN	5.17
90TH PERCENTILE	6.26	STANDARD DEVIATION	0.79
95TH PERCENTILE	6.59		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCC20

VARIABLE LABEL: MOT mos: CL 20 <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.00		
5TH PERCENTILE	7.17		
10TH PERCENTILE	7.99	MINIMUM	4.67
25TH PERCENTILE	8.50	MAXIMUM	14.00
MEDIAN	9.67	MODE	8.00
75TH PERCENTILE	10.50	MEAN	9.59
90TH PERCENTILE	11.64	STANDARD DEVIATION	1.49
95TH PERCENTILE	12.00		
99TH PERCENTILE	13.50		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCC21

VARIABLE LABEL: MOT mos: CL 21 <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.23		
5TH PERCENTILE	7.33		
10TH PERCENTILE	7.89	MINIMUM	6.00
25TH PERCENTILE	8.62	MAXIMUM	13.00
MEDIAN	9.50	MODE	9.00
75TH PERCENTILE	10.67	MEAN	9.61
90TH PERCENTILE	11.68	STANDARD DEVIATION	1.46
95TH PERCENTILE	12.11		
99TH PERCENTILE	13.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCC23

VARIABLE LABEL: MOT mos: CL 23 <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.36		
5TH PERCENTILE	7.00		
10TH PERCENTILE	8.00	MINIMUM	4.00
25TH PERCENTILE	9.00	MAXIMUM	14.00
MEDIAN	10.07	MODE	11.00
75TH PERCENTILE	11.29	MEAN	10.06
90TH PERCENTILE	12.10	STANDARD DEVIATION	1.66
95TH PERCENTILE	12.67		
99TH PERCENTILE	13.65		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCC24

VARIABLE LABEL: MOT mos: CL 24 <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.23		
5TH PERCENTILE	7.55		
10TH PERCENTILE	8.00	MINIMUM	4.33
25TH PERCENTILE	9.35	MAXIMUM	14.00
MEDIAN	10.38	MODE	10.00
75TH PERCENTILE	11.50	MEAN	10.29
90TH PERCENTILE	12.35	STANDARD DEVIATION	1.70
95TH PERCENTILE	13.00		
99TH PERCENTILE	14.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTCMOT

VARIABLE LABEL: MOT:Avg Task Rating <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.32		
5TH PERCENTILE	4.05		
10TH PERCENTILE	4.25	MINIMUM	2.86
25TH PERCENTILE	4.57	MAXIMUM	6.67
MEDIAN	4.94	MODE	4.34
75TH PERCENTILE	5.28	MEAN	4.94
90TH PERCENTILE	5.65	STANDARD DEVIATION	0.59
95TH PERCENTILE	6.02		
99TH PERCENTILE	6.37		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	268
NUMBER OF CASES WITH MISSING VALUES	21
PERCENT OF CASES WITH MISSING VALUES	7.27

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPCB

VARIABLE LABEL: MOT mos: CL B: Basic Soldering <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.00		
5TH PERCENTILE	7.00		
10TH PERCENTILE	7.92	MINIMUM	2.67
25TH PERCENTILE	8.50	MAXIMUM	14.00
MEDIAN	9.00	MODE	9.00
75TH PERCENTILE	10.50	MEAN	9.44
90TH PERCENTILE	11.50	STANDARD DEVIATION	1.62
95TH PERCENTILE	12.00		
99TH PERCENTILE	13.87		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPCC

VARIABLE LABEL: MOT mos: CL C: Communication <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.42		
5TH PERCENTILE	7.72		
10TH PERCENTILE	8.00	MINIMUM	5.50
25TH PERCENTILE	9.00	MAXIMUM	14.00
MEDIAN	10.00	MODE	9.00
75TH PERCENTILE	11.00	MEAN	9.84
90TH PERCENTILE	11.62	STANDARD DEVIATION	1.47
95TH PERCENTILE	12.61		
99TH PERCENTILE	13.93		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPCS

VARIABLE LABEL: MOT mos: CL S: Safety/Survival <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.13		
5TH PERCENTILE	7.67		
10TH PERCENTILE	8.00	MINIMUM	4.17
25TH PERCENTILE	8.50	MAXIMUM	14.00
MEDIAN	9.33	MODE	9.00
75TH PERCENTILE	10.57	MEAN	9.65
90TH PERCENTILE	11.64	STANDARD DEVIATION	1.58
95TH PERCENTILE	12.92		
99TH PERCENTILE	14.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPCT

VARIABLE LABEL: MOT mos: CL T: Technical Skill <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	21.13		
5TH PERCENTILE	31.25		
10TH PERCENTILE	33.01	MINIMUM	20.83
25TH PERCENTILE	35.29	MAXIMUM	56.00
MEDIAN	38.83	MODE	42.50
75TH PERCENTILE	42.50	MEAN	39.06
90TH PERCENTILE	46.91	STANDARD DEVIATION	5.67
95TH PERCENTILE	48.60		
99TH PERCENTILE	55.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPCV

VARIABLE LABEL: MOT mos: CL V: Vehicle Maint/Op <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.50		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.00	MINIMUM	3.00
25TH PERCENTILE	4.50	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.75	MEAN	5.14
90TH PERCENTILE	6.23	STANDARD DEVIATION	0.89
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPC01

VARIABLE LABEL: MOT mos: CL 01 <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.00		
5TH PERCENTILE	3.50		
10TH PERCENTILE	4.00	MINIMUM	1.67
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.68	MODE	4.00
75TH PERCENTILE	5.50	MEAN	4.81
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.94
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPC02

VARIABLE LABEL: MOT mos: CL 02 <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.50	MODE	4.00
75TH PERCENTILE	5.33	MEAN	4.65
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.03
95TH PERCENTILE	6.12		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPC03

VARIABLE LABEL: MOT mos: CL 03 <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.00		
5TH PERCENTILE	3.67		
10TH PERCENTILE	4.00	MINIMUM	2.50
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.81	MODE	4.00
75TH PERCENTILE	5.33	MEAN	4.84
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.86
95TH PERCENTILE	6.39		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPC04

VARIABLE LABEL: MOT mos: CL 04 <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.13		
5TH PERCENTILE	3.67		
10TH PERCENTILE	4.00	MINIMUM	1.67
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.68	MODE	4.00
75TH PERCENTILE	5.18	MEAN	4.79
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.90
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPC06

VARIABLE LABEL: MOT mos: CL 06 <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.42		
5TH PERCENTILE	7.72		
10TH PERCENTILE	8.00	MINIMUM	5.50
25TH PERCENTILE	9.00	MAXIMUM	14.00
MEDIAN	10.00	MODE	9.00
75TH PERCENTILE	11.00	MEAN	9.84
90TH PERCENTILE	11.62	STANDARD DEVIATION	1.47
95TH PERCENTILE	12.61		
99TH PERCENTILE	13.93		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPC11

VARIABLE LABEL: MOT mos: CL 11 <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.50		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.00	MINIMUM	3.00
25TH PERCENTILE	4.50	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.75	MEAN	5.14
90TH PERCENTILE	6.23	STANDARD DEVIATION	0.89
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPC20

VARIABLE LABEL: MOT mos: CL 20 <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.56		
5TH PERCENTILE	6.92		
10TH PERCENTILE	7.67	MINIMUM	3.50
25TH PERCENTILE	8.33	MAXIMUM	14.00
MEDIAN	9.50	MODE	8.00
75TH PERCENTILE	11.00	MEAN	9.62
90TH PERCENTILE	12.00	STANDARD DEVIATION	1.76
95TH PERCENTILE	12.50		
99TH PERCENTILE	14.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPC21

VARIABLE LABEL: MOT mos: CL 21 <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.01		
5TH PERCENTILE	7.33		
10TH PERCENTILE	7.78	MINIMUM	6.00
25TH PERCENTILE	8.50	MAXIMUM	14.00
MEDIAN	9.33	MODE	9.00
75TH PERCENTILE	10.50	MEAN	9.57
90TH PERCENTILE	11.97	STANDARD DEVIATION	1.55
95TH PERCENTILE	12.23		
99TH PERCENTILE	14.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPC23

VARIABLE LABEL: MOT mos: CL 23 <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.06		
5TH PERCENTILE	7.00		
10TH PERCENTILE	8.06	MINIMUM	4.00
25TH PERCENTILE	8.91	MAXIMUM	14.00
MEDIAN	9.75	MODE	9.00
75TH PERCENTILE	11.00	MEAN	9.86
90TH PERCENTILE	12.00	STANDARD DEVIATION	1.78
95TH PERCENTILE	13.00		
99TH PERCENTILE	14.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPC24

VARIABLE LABEL: MOT mos: CL 24 <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.06		
5TH PERCENTILE	7.48		
10TH PERCENTILE	8.00	MINIMUM	4.00
25TH PERCENTILE	9.00	MAXIMUM	14.00
MEDIAN	10.00	MODE	11.00
75TH PERCENTILE	11.00	MEAN	10.01
90TH PERCENTILE	12.00	STANDARD DEVIATION	1.65
95TH PERCENTILE	12.70		
99TH PERCENTILE	14.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTPMOT

VARIABLE LABEL: MOT:Avg Task Rating <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.19		
5TH PERCENTILE	4.04		
10TH PERCENTILE	4.20	MINIMUM	2.41
25TH PERCENTILE	4.47	MAXIMUM	6.80
MEDIAN	4.84	MODE	4.30
75TH PERCENTILE	5.24	MEAN	4.88
90TH PERCENTILE	5.72	STANDARD DEVIATION	0.63
95TH PERCENTILE	6.02		
99TH PERCENTILE	6.64		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	212
NUMBER OF CASES WITH MISSING VALUES	77
PERCENT OF CASES WITH MISSING VALUES	26.64

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSCB

VARIABLE LABEL: MOT mos: CL B: Basic Soldering <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.45		
5TH PERCENTILE	7.00		
10TH PERCENTILE	7.66	MINIMUM	4.50
25TH PERCENTILE	8.30	MAXIMUM	14.00
MEDIAN	9.50	MODE	9.00
75TH PERCENTILE	11.00	MEAN	9.57
90TH PERCENTILE	12.00	STANDARD DEVIATION	1.71
95TH PERCENTILE	12.50		
99TH PERCENTILE	13.73		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSCC

VARIABLE LABEL: MOT mos: CL C: Communication <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.63		
5TH PERCENTILE	7.00		
10TH PERCENTILE	7.75	MINIMUM	4.00
25TH PERCENTILE	8.56	MAXIMUM	14.00
MEDIAN	10.00	MODE	9.00
75TH PERCENTILE	11.50	MEAN	10.01
90TH PERCENTILE	12.50	STANDARD DEVIATION	1.93
95TH PERCENTILE	13.00		
99TH PERCENTILE	14.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSCS

VARIABLE LABEL: MOT mos: CL S: Safety/Survival <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	6.42		
5TH PERCENTILE	7.20		
10TH PERCENTILE	8.00	MINIMUM	6.27
25TH PERCENTILE	8.70	MAXIMUM	14.00
MEDIAN	9.70	MODE	9.00
75TH PERCENTILE	11.00	MEAN	9.95
90TH PERCENTILE	12.50	STANDARD DEVIATION	1.69
95TH PERCENTILE	13.00		
99TH PERCENTILE	14.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSCT

VARIABLE LABEL: MOT mos: CL T: Technical Skill <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	22.88		
5TH PERCENTILE	30.76		
10TH PERCENTILE	32.27	MINIMUM	18.00
25TH PERCENTILE	35.23	MAXIMUM	54.00
MEDIAN	41.00	MODE	35.00
75TH PERCENTILE	45.50	MEAN	40.69
90TH PERCENTILE	49.00	STANDARD DEVIATION	6.42
95TH PERCENTILE	51.00		
99TH PERCENTILE	53.86		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSCV

VARIABLE LABEL: MOT mos: CL V: Vehicle Maint/Op <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.81		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.00	MINIMUM	2.55
25TH PERCENTILE	4.67	MAXIMUM	7.00
MEDIAN	5.50	MODE	5.00
75TH PERCENTILE	6.00	MEAN	5.31
90TH PERCENTILE	6.50	STANDARD DEVIATION	0.95
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSC01

VARIABLE LABEL: MOT mos: CL 01 <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.42		
5TH PERCENTILE	3.50		
10TH PERCENTILE	4.00	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	4.00
75TH PERCENTILE	5.50	MEAN	4.84
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.99
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSC02

VARIABLE LABEL: MOT mos: CL 02 <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.75		
10TH PERCENTILE	3.00	MINIMUM	1.43
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.50	MODE	4.00
75TH PERCENTILE	5.35	MEAN	4.61
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.09
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSC03

VARIABLE LABEL: MOT mos: CL 03 <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.00		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.00	MINIMUM	3.00
25TH PERCENTILE	4.50	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.77	MEAN	5.11
90TH PERCENTILE	6.50	STANDARD DEVIATION	0.96
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSC04

VARIABLE LABEL: MOT mos: CL 04 <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.00		
5TH PERCENTILE	3.76		
10TH PERCENTILE	4.00	MINIMUM	2.50
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	4.00
75TH PERCENTILE	5.54	MEAN	4.96
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.96
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSC06

VARIABLE LABEL: MOT mos: CL 06 <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.63		
5TH PERCENTILE	7.00		
10TH PERCENTILE	7.75	MINIMUM	4.00
25TH PERCENTILE	8.56	MAXIMUM	14.00
MEDIAN	10.00	MODE	9.00
75TH PERCENTILE	11.50	MEAN	10.01
90TH PERCENTILE	12.50	STANDARD DEVIATION	1.93
95TH PERCENTILE	13.00		
99TH PERCENTILE	14.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSC11

VARIABLE LABEL: MOT mos: CL 11 <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.81		
5TH PERCENTILE	4.00		
10TH PERCENTILE	4.00	MINIMUM	2.55
25TH PERCENTILE	4.67	MAXIMUM	7.00
MEDIAN	5.50	MODE	5.00
75TH PERCENTILE	6.00	MEAN	5.31
90TH PERCENTILE	6.50	STANDARD DEVIATION	0.95
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSC20

VARIABLE LABEL: MOT mos: CL 20 <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.91		
5TH PERCENTILE	7.00		
10TH PERCENTILE	7.64	MINIMUM	4.50
25TH PERCENTILE	8.50	MAXIMUM	14.00
MEDIAN	9.64	MODE	8.00
75TH PERCENTILE	11.00	MEAN	9.76
90TH PERCENTILE	12.00	STANDARD DEVIATION	1.73
95TH PERCENTILE	13.00		
99TH PERCENTILE	13.86		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

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DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSC21

VARIABLE LABEL: MOT mos: CL 21 <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.63		
5TH PERCENTILE	6.88		
10TH PERCENTILE	7.58	MINIMUM	2.00
25TH PERCENTILE	8.12	MAXIMUM	14.00
MEDIAN	10.00	MODE	8.00
75TH PERCENTILE	11.00	MEAN	9.74
90TH PERCENTILE	12.50	STANDARD DEVIATION	1.87
95TH PERCENTILE	13.00		
99TH PERCENTILE	13.50		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSC23

VARIABLE LABEL: MOT mos: CL 23 <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.28		
5TH PERCENTILE	7.00		
10TH PERCENTILE	7.94	MINIMUM	3.72
25TH PERCENTILE	9.00	MAXIMUM	14.00
MEDIAN	10.58	MODE	12.00
75TH PERCENTILE	12.00	MEAN	10.41
90TH PERCENTILE	13.00	STANDARD DEVIATION	1.97
95TH PERCENTILE	13.50		
99TH PERCENTILE	14.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSC24

VARIABLE LABEL: MOT mos: CL 24 <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	2.81		
5TH PERCENTILE	7.36		
10TH PERCENTILE	8.00	MINIMUM	2.00
25TH PERCENTILE	9.50	MAXIMUM	14.00
MEDIAN	11.00	MODE	10.00
75TH PERCENTILE	12.00	MEAN	10.78
90TH PERCENTILE	13.00	STANDARD DEVIATION	2.08
95TH PERCENTILE	14.00		
99TH PERCENTILE	14.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3MTSMOT

VARIABLE LABEL: MOT:Avg Task Rating <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	3.00		
5TH PERCENTILE	3.87		
10TH PERCENTILE	4.11	MINIMUM	2.72
25TH PERCENTILE	4.52	MAXIMUM	6.69
MEDIAN	5.07	MODE	4.80
75TH PERCENTILE	5.53	MEAN	5.04
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.72
95TH PERCENTILE	6.23		
99TH PERCENTILE	6.66		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	226
NUMBER OF CASES WITH MISSING VALUES	63
PERCENT OF CASES WITH MISSING VALUES	21.80

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3POST

VARIABLE LABEL: CV Site Code

VARIABLE TYPE: DIGIT(CODED) NUMBER OF DIGITS: 2

VALUE:MEANING	FREQUENCY	PERCENT
01: Ft Benning	7	2.42
02: Ft Bliss	13	4.50
04: Ft Campbell	19	6.57
05: Ft Carson	20	6.92
06: Ft Hood	26	9.00
07: Ft Knox	13	4.50
08: Ft Lewis	6	2.08
09: Ft Ord	8	2.77
10: Ft Polk	26	9.00
11: Ft Riley	15	5.19
12: Ft Sill	19	6.57
13: Ft Stewart	13	4.50
16: USAREUR A7	104	35.99

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3RACE

VARIABLE LABEL: CV Race Code

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
1:Black	74	25.61
2:Hispanic	4	1.38
3:White	204	70.59
4:Other	7	2.42

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3RATING

VARIABLE LABEL: Total Rating Score (std raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	193.26		
5TH PERCENTILE	260.68		
10TH PERCENTILE	283.33	MINIMUM	142.67
25TH PERCENTILE	322.84	MAXIMUM	494.80
MEDIAN	356.54	MODE	142.67
75TH PERCENTILE	393.33	MEAN	355.16
90TH PERCENTILE	422.14	STANDARD DEVIATION	55.12
95TH PERCENTILE	439.33		
99TH PERCENTILE	472.90		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3RAWCTP

VARIABLE LABEL: Core Technical Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for M3HCTP (hands-on) and M3WCTP (written). The hands-on and written scores were unit weighted.

1ST PERCENTILE	51.44		
5TH PERCENTILE	69.94		
10TH PERCENTILE	79.16	MINIMUM	42.33
25TH PERCENTILE	92.91	MAXIMUM	137.78
MEDIAN	102.31	MODE	42.33
75TH PERCENTILE	112.06	MEAN	101.53
90TH PERCENTILE	122.63	STANDARD DEVIATION	17.00
95TH PERCENTILE	129.57		
99TH PERCENTILE	134.39		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3RAWELS

VARIABLE LABEL: Effort/Leadership (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for M3XPC11, M3XPCF01, M3MPCF01, M3MPCF02, M3XCCAWC and M3XACM1. Equal weights were assigned to the following four standardized scores: (1) M3XPC11, (2) the sum of the standardized M3XPCF01, M3MPF01, and M3MPCF02 scores, (3) M3XCCAWC, and (4) M3XACM1.

1ST PERCENTILE	118.75		
5TH PERCENTILE	155.22		
10TH PERCENTILE	167.96	MINIMUM	87.37
25TH PERCENTILE	183.89	MAXIMUM	267.43
MEDIAN	204.28	MODE	87.37
75TH PERCENTILE	221.64	MEAN	202.91
90TH PERCENTILE	239.24	STANDARD DEVIATION	28.59
95TH PERCENTILE	249.31		
99TH PERCENTILE	260.97		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3RAWGSP

VARIABLE LABEL: General Soldiering Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for M3HGSP (hands-on) and M3WGSP (written). The hands-on and written scores were unit weighted.

1ST PERCENTILE	62.20		
5TH PERCENTILE	71.52		
10TH PERCENTILE	79.11	MINIMUM	57.51
25TH PERCENTILE	89.66	MAXIMUM	140.98
MEDIAN	102.85	MODE	57.51
75TH PERCENTILE	114.14	MEAN	101.84
90TH PERCENTILE	123.04	STANDARD DEVIATION	16.65
95TH PERCENTILE	129.19		
99TH PERCENTILE	136.92		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3RAWMPD

VARIABLE LABEL: Personal Discipline (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for M3XPCF02, M3XACM4, and M3XACM5. To compute this score, first M3XAMC4 and M3XACM5 were standardized. The standardized M3XACM4 score then was reversed so that a high score denoted superior performance. The two standardized scores were then summed to compute an administrative measures score for this construct. This administrative measures score and M3XPCF02 then were standardized and summed to compute the construct score.

1ST PERCENTILE	59.20		
5TH PERCENTILE	74.41		
10TH PERCENTILE	81.90	MINIMUM	45.03
25TH PERCENTILE	93.81	MAXIMUM	130.85
MEDIAN	102.99	MODE	98.16
75TH PERCENTILE	111.22	MEAN	100.98
90TH PERCENTILE	117.14	STANDARD DEVIATION	14.19
95TH PERCENTILE	120.28		
99TH PERCENTILE	127.53		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3RAWPFB

VARIABLE LABEL: Phys Fitness/Mil Bearing (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

This construct score is a composite of the standardized scores for M3XPCF03 and M3XACM2. Both scores were unit weighted.

1ST PERCENTILE	53.48		
5TH PERCENTILE	73.04		
10TH PERCENTILE	79.16	MINIMUM	41.27
25TH PERCENTILE	90.29	MAXIMUM	136.12
MEDIAN	102.71	MODE	94.33
75TH PERCENTILE	112.54	MEAN	100.73
90TH PERCENTILE	120.50	STANDARD DEVIATION	16.13
95TH PERCENTILE	125.46		
99TH PERCENTILE	133.02		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3RESCTP

VARIABLE LABEL: Core Technical Prof (resid scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	42.91		
5TH PERCENTILE	66.75		
10TH PERCENTILE	76.63	MINIMUM	37.73
25TH PERCENTILE	92.36	MAXIMUM	141.79
MEDIAN	103.04	MODE	37.73
75TH PERCENTILE	112.84	MEAN	101.25
90TH PERCENTILE	122.61	STANDARD DEVIATION	18.10
95TH PERCENTILE	128.43		
99TH PERCENTILE	136.95		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3RESELS

VARIABLE LABEL: Effort/Leadership (resid scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	141.72		
5TH PERCENTILE	150.44		
10TH PERCENTILE	167.72	MINIMUM	124.75
25TH PERCENTILE	186.65	MAXIMUM	274.81
MEDIAN	204.02	MODE	124.75
75TH PERCENTILE	220.05	MEAN	202.15
90TH PERCENTILE	232.65	STANDARD DEVIATION	25.12
95TH PERCENTILE	238.26		
99TH PERCENTILE	262.06		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3RESGSP

VARIABLE LABEL: Gen Soldiering Prof (resid scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	56.28		
5TH PERCENTILE	71.54		
10TH PERCENTILE	78.43	MINIMUM	55.22
25TH PERCENTILE	88.45	MAXIMUM	146.86
MEDIAN	103.49	MODE	55.22
75TH PERCENTILE	114.03	MEAN	101.61
90TH PERCENTILE	123.98	STANDARD DEVIATION	17.40
95TH PERCENTILE	126.75		
99TH PERCENTILE	136.84		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3RESMPD

VARIABLE LABEL: Personal Discipline (resid scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	50.07		
5TH PERCENTILE	72.36		
10TH PERCENTILE	81.98	MINIMUM	38.68
25TH PERCENTILE	92.34	MAXIMUM	131.27
MEDIAN	102.99	MODE	38.68
75TH PERCENTILE	110.83	MEAN	100.61
90TH PERCENTILE	115.99	STANDARD DEVIATION	14.96
95TH PERCENTILE	120.57		
99TH PERCENTILE	128.76		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3RESPFB

VARIABLE LABEL: Phys Fitness/Mil Bearing (resid scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	54.88		
5TH PERCENTILE	69.20		
10TH PERCENTILE	76.20	MINIMUM	41.01
25TH PERCENTILE	90.77	MAXIMUM	136.83
MEDIAN	101.23	MODE	41.01
75TH PERCENTILE	111.84	MEAN	100.37
90TH PERCENTILE	121.27	STANDARD DEVIATION	16.80
95TH PERCENTILE	126.04		
99TH PERCENTILE	134.64		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3SCTP

VARIABLE LABEL: K3 Core Technical Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	37.60		
5TH PERCENTILE	49.60		
10TH PERCENTILE	58.00	MINIMUM	23.00
25TH PERCENTILE	71.00	MAXIMUM	113.00
MEDIAN	79.00	MODE	79.00
75TH PERCENTILE	89.00	MEAN	78.49
90TH PERCENTILE	98.00	STANDARD DEVIATION	15.06
95TH PERCENTILE	100.50		
99TH PERCENTILE	105.50		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3SEX

VARIABLE LABEL: CV Sex Code

VARIABLE TYPE: CHARACTER NUMBER OF CHARACTERS: 1

VALUE:MEANING	FREQUENCY	PERCENT
F: Female	45	15.57
M: Male	244	84.43

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3SGSP

VARIABLE LABEL: K3 Gen Soldiering Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	10.81		
5TH PERCENTILE	15.00		
10TH PERCENTILE	18.00	MINIMUM	10.00
25TH PERCENTILE	23.00	MAXIMUM	44.00
MEDIAN	28.00	MODE	31.00
75TH PERCENTILE	31.00	MEAN	27.11
90TH PERCENTILE	35.00	STANDARD DEVIATION	6.23
95TH PERCENTILE	36.00		
99TH PERCENTILE	39.30		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3VERBAL

VARIABLE LABEL: Total Written Test Score (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	138.57		
5TH PERCENTILE	166.04		
10TH PERCENTILE	177.84	MINIMUM	134.00
25TH PERCENTILE	209.00	MAXIMUM	316.00
MEDIAN	233.00	MODE	209.00
75TH PERCENTILE	255.10	MEAN	230.35
90TH PERCENTILE	282.00	STANDARD DEVIATION	37.25
95TH PERCENTILE	293.00		
99TH PERCENTILE	304.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3WCTP

VARIABLE LABEL: Written Core Tech Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	76.84		
5TH PERCENTILE	88.87		
10TH PERCENTILE	102.00	MINIMUM	68.00
25TH PERCENTILE	120.53	MAXIMUM	196.00
MEDIAN	137.00	MODE	134.00
75TH PERCENTILE	151.50	MEAN	135.79
90TH PERCENTILE	167.25	STANDARD DEVIATION	24.32
95TH PERCENTILE	173.93		
99TH PERCENTILE	186.20		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3WGSP

VARIABLE LABEL: Written Gen Soldiering Prof (raw scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	52.90		
5TH PERCENTILE	65.25		
10TH PERCENTILE	74.33	MINIMUM	47.20
25TH PERCENTILE	85.00	MAXIMUM	131.00
MEDIAN	96.00	MODE	102.00
75TH PERCENTILE	105.00	MEAN	94.56
90TH PERCENTILE	114.00	STANDARD DEVIATION	15.38
95TH PERCENTILE	119.00		
99TH PERCENTILE	127.30		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XACM1

VARIABLE LABEL: ADM 01: Total Awards/Letters

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.45		
5TH PERCENTILE	0.45		
10TH PERCENTILE	0.45	MINIMUM	0.45
25TH PERCENTILE	0.95	MAXIMUM	8.56
MEDIAN	1.96	MODE	0.45
75TH PERCENTILE	3.23	MEAN	2.29
90TH PERCENTILE	4.51	STANDARD DEVIATION	1.75
95TH PERCENTILE	6.01		
99TH PERCENTILE	7.38		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XACM2

VARIABLE LABEL: ADM 02: Physical Readiness Score

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	159.00		
5TH PERCENTILE	209.50		
10TH PERCENTILE	220.00	MINIMUM	145.00
25TH PERCENTILE	244.00	MAXIMUM	300.00
MEDIAN	262.00	MODE	300.00
75TH PERCENTILE	284.00	MEAN	259.95
90TH PERCENTILE	297.00	STANDARD DEVIATION	28.95
95TH PERCENTILE	300.00		
99TH PERCENTILE	300.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XACM3

VARIABLE LABEL: ADM 03: M16 Qualification

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	1.00		
10TH PERCENTILE	1.00	MINIMUM	1.00
25TH PERCENTILE	2.00	MAXIMUM	3.00
MEDIAN	2.00	MODE	2.00
75TH PERCENTILE	3.00	MEAN	2.12
90TH PERCENTILE	3.00	STANDARD DEVIATION	0.77
95TH PERCENTILE	3.00		
99TH PERCENTILE	3.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XACM4

VARIABLE LABEL: ADM 04: Articles 15/Flag Actions

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	0.00	MINIMUM	0.00
25TH PERCENTILE	0.00	MAXIMUM	4.00
MEDIAN	0.00	MODE	0.00
75TH PERCENTILE	0.00	MEAN	0.30
90TH PERCENTILE	1.00	STANDARD DEVIATION	0.67
95TH PERCENTILE	2.00		
99TH PERCENTILE	3.10		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XACM5

VARIABLE LABEL: ADM 05: Promotion rate Dev Score

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	-1.60		
5TH PERCENTILE	-0.75		
10TH PERCENTILE	-0.64	MINIMUM	-2.00
25TH PERCENTILE	-0.36	MAXIMUM	1.21
MEDIAN	0.11	MODE	0.49
75TH PERCENTILE	0.36	MEAN	-0.01
90TH PERCENTILE	0.56	STANDARD DEVIATION	0.50
95TH PERCENTILE	0.64		
99TH PERCENTILE	0.93		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XCCAWC

VARIABLE LABEL: COMB:Avg Combat Pred Rating <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.95		
5TH PERCENTILE	6.84		
10TH PERCENTILE	7.36	MINIMUM	4.46
25TH PERCENTILE	8.48	MAXIMUM	14.00
MEDIAN	9.49	MODE	9.55
75TH PERCENTILE	10.42	MEAN	9.38
90TH PERCENTILE	11.30	STANDARD DEVIATION	1.50
95TH PERCENTILE	11.62		
99TH PERCENTILE	12.73		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XCCSC1

VARIABLE LABEL: Combat 01: Perf Well Combat Cond <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.61		
5TH PERCENTILE	6.69		
10TH PERCENTILE	7.19	MINIMUM	4.44
25TH PERCENTILE	8.31	MAXIMUM	14.00
MEDIAN	9.35	MODE	11.15
75TH PERCENTILE	10.15	MEAN	9.19
90TH PERCENTILE	11.11	STANDARD DEVIATION	1.52
95TH PERCENTILE	11.52		
99TH PERCENTILE	12.59		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XCCSC2

VARIABLE LABEL: Combat 02: Avoid Inapp actions <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	5.97		
5TH PERCENTILE	7.20		
10TH PERCENTILE	8.33	MINIMUM	3.50
25TH PERCENTILE	9.38	MAXIMUM	15.00
MEDIAN	10.54	MODE	10.17
75TH PERCENTILE	11.85	MEAN	10.49
90TH PERCENTILE	12.67	STANDARD DEVIATION	1.79
95TH PERCENTILE	13.17		
99TH PERCENTILE	14.68		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XCPAWC

VARIABLE LABEL: COMB:Avg Combat Pred Rating <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.42		
5TH PERCENTILE	6.33		
10TH PERCENTILE	7.12	MINIMUM	3.34
25TH PERCENTILE	8.22	MAXIMUM	14.85
MEDIAN	9.44	MODE	10.82
75TH PERCENTILE	10.66	MEAN	9.38
90TH PERCENTILE	11.47	STANDARD DEVIATION	1.80
95TH PERCENTILE	12.07		
99TH PERCENTILE	14.06		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XCPSC1

VARIABLE LABEL: Combat 01: Perf Well Combat Cond <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.47		
5TH PERCENTILE	5.96		
10TH PERCENTILE	6.80	MINIMUM	3.14
25TH PERCENTILE	7.98	MAXIMUM	14.82
MEDIAN	9.29	MODE	7.48
75TH PERCENTILE	10.42	MEAN	9.18
90TH PERCENTILE	11.30	STANDARD DEVIATION	1.82
95TH PERCENTILE	11.86		
99TH PERCENTILE	14.05		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XCPSC2

VARIABLE LABEL: Combat 02: Avoid Inapp actions <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	4.97		
5TH PERCENTILE	6.62		
10TH PERCENTILE	7.79	MINIMUM	3.50
25TH PERCENTILE	9.19	MAXIMUM	15.00
MEDIAN	10.44	MODE	8.83
75TH PERCENTILE	11.97	MEAN	10.50
90TH PERCENTILE	13.37	STANDARD DEVIATION	2.15
95TH PERCENTILE	14.17		
99TH PERCENTILE	15.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XCSAWC

VARIABLE LABEL: COMB:Avg Combat Pred Rating <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	3.55		
5TH PERCENTILE	6.10		
10TH PERCENTILE	7.07	MINIMUM	3.45
25TH PERCENTILE	8.14	MAXIMUM	14.07
MEDIAN	9.55	MODE	9.61
75TH PERCENTILE	10.61	MEAN	9.38
90TH PERCENTILE	11.57	STANDARD DEVIATION	1.91
95TH PERCENTILE	12.22		
99TH PERCENTILE	13.92		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XCSSC1

VARIABLE LABEL: Combat 01: Perf Well Combat Cond <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	3.06		
5TH PERCENTILE	5.74		
10TH PERCENTILE	6.76	MINIMUM	2.74
25TH PERCENTILE	7.90	MAXIMUM	14.44
MEDIAN	9.38	MODE	7.27
75TH PERCENTILE	10.45	MEAN	9.19
90TH PERCENTILE	11.45	STANDARD DEVIATION	2.00
95TH PERCENTILE	12.20		
99TH PERCENTILE	14.04		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XCSSC2

VARIABLE LABEL: Combat 02: Avoid Inapp actions <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	3.57		
5TH PERCENTILE	6.50		
10TH PERCENTILE	7.67	MINIMUM	3.33
25TH PERCENTILE	9.17	MAXIMUM	15.00
MEDIAN	10.67	MODE	9.00
75TH PERCENTILE	12.00	MEAN	10.50
90TH PERCENTILE	13.00	STANDARD DEVIATION	2.14
95TH PERCENTILE	13.83		
99TH PERCENTILE	15.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHA4PG

VARIABLE LABEL: HO % GO: Task A4

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	27.50		
5TH PERCENTILE	36.21		
10TH PERCENTILE	42.53	MINIMUM	12.34
25TH PERCENTILE	58.57	MAXIMUM	100.00
MEDIAN	77.56	MODE	84.68
75TH PERCENTILE	84.68	MEAN	72.28
90TH PERCENTILE	96.55	STANDARD DEVIATION	19.22
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHB3PG

VARIABLE LABEL: HO % GO: Task B3

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	40.31		
5TH PERCENTILE	58.72		
10TH PERCENTILE	65.65	MINIMUM	29.63
25TH PERCENTILE	79.05	MAXIMUM	100.00
MEDIAN	88.23	MODE	91.38
75TH PERCENTILE	95.46	MEAN	84.93
90TH PERCENTILE	98.92	STANDARD DEVIATION	13.49
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHC2PG

VARIABLE LABEL: HO % GO: Task C2

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	10.72		
10TH PERCENTILE	31.63	MINIMUM	0.00
25TH PERCENTILE	57.53	MAXIMUM	100.00
MEDIAN	77.10	MODE	100.00
75TH PERCENTILE	89.13	MEAN	70.49
90TH PERCENTILE	100.00	STANDARD DEVIATION	24.76
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHD3PG

VARIABLE LABEL: HO % GO: Task D3

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.51		
5TH PERCENTILE	23.75		
10TH PERCENTILE	41.37	MINIMUM	0.00
25TH PERCENTILE	63.85	MAXIMUM	100.00
MEDIAN	78.73	MODE	91.54
75TH PERCENTILE	88.31	MEAN	72.59
90TH PERCENTILE	92.78	STANDARD DEVIATION	21.53
95TH PERCENTILE	98.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHH1PG

VARIABLE LABEL: HO % GO: Task H1

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	54.34		
5TH PERCENTILE	65.77		
10TH PERCENTILE	70.73	MINIMUM	41.63
25TH PERCENTILE	79.81	MAXIMUM	100.00
MEDIAN	86.36	MODE	90.83
75TH PERCENTILE	90.83	MEAN	84.86
90TH PERCENTILE	95.30	STANDARD DEVIATION	9.78
95TH PERCENTILE	98.62		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHSH1T

VARIABLE LABEL: AVG HO % GO For Total Half 1

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	47.07		
5TH PERCENTILE	56.34		
10TH PERCENTILE	59.32	MINIMUM	35.82
25TH PERCENTILE	65.91	MAXIMUM	93.53
MEDIAN	72.18	MODE	61.41
75TH PERCENTILE	79.68	MEAN	72.04
90TH PERCENTILE	83.68	STANDARD DEVIATION	9.71
95TH PERCENTILE	86.95		
99TH PERCENTILE	92.33		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHSH2T

VARIABLE LABEL: AVG HO % GO For Total Half 2

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	42.31		
5TH PERCENTILE	54.31		
10TH PERCENTILE	58.22	MINIMUM	39.74
25TH PERCENTILE	64.48	MAXIMUM	90.59
MEDIAN	73.01	MODE	68.60
75TH PERCENTILE	78.64	MEAN	71.18
90TH PERCENTILE	82.29	STANDARD DEVIATION	9.75
95TH PERCENTILE	84.63		
99TH PERCENTILE	87.55		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	275
NUMBER OF CASES WITH MISSING VALUES	14
PERCENT OF CASES WITH MISSING VALUES	4.84

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XHTOTT

VARIABLE LABEL: AVG HO % GO For All Tasks

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	47.83		
5TH PERCENTILE	56.82		
10TH PERCENTILE	59.82	MINIMUM	43.68
25TH PERCENTILE	65.26	MAXIMUM	88.88
MEDIAN	71.45	MODE	68.20
75TH PERCENTILE	75.79	MEAN	70.45
90TH PERCENTILE	80.19	STANDARD DEVIATION	7.84
95TH PERCENTILE	82.12		
99TH PERCENTILE	86.51		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKA2PC

VARIABLE LABEL: K5 % CORR: Task A2

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	7.22		
5TH PERCENTILE	22.22		
10TH PERCENTILE	33.33	MINIMUM	0.00
25TH PERCENTILE	44.44	MAXIMUM	100.00
MEDIAN	55.55	MODE	44.44
75TH PERCENTILE	66.66	MEAN	53.92
90TH PERCENTILE	77.78	STANDARD DEVIATION	19.76
95TH PERCENTILE	88.89		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKA4PC

VARIABLE LABEL: K5 % CORR: Task A4

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	9.09		
5TH PERCENTILE	27.27		
10TH PERCENTILE	36.36	MINIMUM	0.00
25TH PERCENTILE	45.45	MAXIMUM	90.91
MEDIAN	54.54	MODE	54.54
75TH PERCENTILE	63.63	MEAN	55.46
90TH PERCENTILE	72.73	STANDARD DEVIATION	15.70
95TH PERCENTILE	81.82		
99TH PERCENTILE	90.91		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKB3PC

VARIABLE LABEL: K5 % CORR: Task B3

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	14.29		
5TH PERCENTILE	28.57		
10TH PERCENTILE	42.86	MINIMUM	0.00
25TH PERCENTILE	57.14	MAXIMUM	100.00
MEDIAN	71.43	MODE	85.71
75TH PERCENTILE	85.71	MEAN	72.31
90TH PERCENTILE	100.00	STANDARD DEVIATION	21.79
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKB4PC

VARIABLE LABEL: K5 % CORR: Task B4

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	18.33		
5TH PERCENTILE	33.33		
10TH PERCENTILE	44.44	MINIMUM	11.11
25TH PERCENTILE	55.55	MAXIMUM	100.00
MEDIAN	66.66	MODE	77.78
75TH PERCENTILE	77.78	MEAN	69.09
90TH PERCENTILE	88.89	STANDARD DEVIATION	18.23
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKC2PC

VARIABLE LABEL: K5 % CORR: Task C2

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	0.00		
10TH PERCENTILE	20.00	MINIMUM	0.00
25TH PERCENTILE	40.00	MAXIMUM	100.00
MEDIAN	80.00	MODE	100.00
75TH PERCENTILE	100.00	MEAN	66.78
90TH PERCENTILE	100.00	STANDARD DEVIATION	32.41
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKD2PC

VARIABLE LABEL: K5 % CORR: Task D2

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	20.00		
10TH PERCENTILE	40.00	MINIMUM	0.00
25TH PERCENTILE	60.00	MAXIMUM	100.00
MEDIAN	80.00	MODE	80.00
75TH PERCENTILE	80.00	MEAN	68.44
90TH PERCENTILE	100.00	STANDARD DEVIATION	22.46
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKD3PC

VARIABLE LABEL: K5 % CORR: Task D3

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	40.00		
10TH PERCENTILE	60.00	MINIMUM	0.00
25TH PERCENTILE	80.00	MAXIMUM	100.00
MEDIAN	100.00	MODE	100.00
75TH PERCENTILE	100.00	MEAN	86.00
90TH PERCENTILE	100.00	STANDARD DEVIATION	20.94
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKD4PC

VARIABLE LABEL: K5 % CORR: Task D4

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	33.33		
10TH PERCENTILE	50.00	MINIMUM	0.00
25TH PERCENTILE	66.66	MAXIMUM	100.00
MEDIAN	83.33	MODE	100.00
75TH PERCENTILE	100.00	MEAN	81.67
90TH PERCENTILE	100.00	STANDARD DEVIATION	22.76
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKF1PC

VARIABLE LABEL: K5 % CORR: Task F1

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	8.12		
5TH PERCENTILE	28.12		
10TH PERCENTILE	50.00	MINIMUM	0.00
25TH PERCENTILE	62.50	MAXIMUM	100.00
MEDIAN	75.00	MODE	75.00
75TH PERCENTILE	87.50	MEAN	68.97
90TH PERCENTILE	87.50	STANDARD DEVIATION	18.22
95TH PERCENTILE	87.50		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKG2PC

VARIABLE LABEL: K5 % CORR: Task G2

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	0.00		
5TH PERCENTILE	25.00		
10TH PERCENTILE	25.00	MINIMUM	0.00
25TH PERCENTILE	50.00	MAXIMUM	100.00
MEDIAN	75.00	MODE	75.00
75TH PERCENTILE	75.00	MEAN	62.71
90TH PERCENTILE	100.00	STANDARD DEVIATION	25.41
95TH PERCENTILE	100.00		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKG3PC

VARIABLE LABEL: K5 % CORR: Task G3

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	16.66		
5TH PERCENTILE	33.33		
10TH PERCENTILE	33.33	MINIMUM	16.66
25TH PERCENTILE	41.66	MAXIMUM	100.00
MEDIAN	58.33	MODE	58.33
75TH PERCENTILE	66.66	MEAN	56.57
90TH PERCENTILE	83.33	STANDARD DEVIATION	17.88
95TH PERCENTILE	91.66		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKH1PC

VARIABLE LABEL: K5 % CORR: Task H1

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	11.11		
5TH PERCENTILE	22.22		
10TH PERCENTILE	22.22	MINIMUM	0.00
25TH PERCENTILE	33.33	MAXIMUM	100.00
MEDIAN	55.55	MODE	55.55
75TH PERCENTILE	66.66	MEAN	50.82
90TH PERCENTILE	77.78	STANDARD DEVIATION	19.36
95TH PERCENTILE	81.25		
99TH PERCENTILE	100.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKSH1T

VARIABLE LABEL: K5 mos: Average % Split Half 1

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	36.32		
5TH PERCENTILE	43.80		
10TH PERCENTILE	47.88	MINIMUM	33.80
25TH PERCENTILE	54.48	MAXIMUM	86.28
MEDIAN	64.03	MODE	58.87
75TH PERCENTILE	71.29	MEAN	62.85
90TH PERCENTILE	77.51	STANDARD DEVIATION	11.43
95TH PERCENTILE	81.05		
99TH PERCENTILE	85.18		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKSH2T

VARIABLE LABEL: K5 mos: Average % Split Half 2

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	30.38		
5TH PERCENTILE	41.90		
10TH PERCENTILE	45.79	MINIMUM	26.48
25TH PERCENTILE	51.88	MAXIMUM	81.34
MEDIAN	58.75	MODE	53.57
75TH PERCENTILE	64.98	MEAN	58.07
90TH PERCENTILE	69.77	STANDARD DEVIATION	9.65
95TH PERCENTILE	73.37		
99TH PERCENTILE	78.32		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	264
NUMBER OF CASES WITH MISSING VALUES	25
PERCENT OF CASES WITH MISSING VALUES	8.65

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XKTOTT

VARIABLE LABEL: K5 AVG % For All Tasks (mos)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	33.32		
5TH PERCENTILE	43.50		
10TH PERCENTILE	47.21	MINIMUM	29.45
25TH PERCENTILE	54.37	MAXIMUM	82.04
MEDIAN	61.29	MODE	57.77
75TH PERCENTILE	67.47	MEAN	60.56
90TH PERCENTILE	73.79	STANDARD DEVIATION	9.93
95TH PERCENTILE	76.70		
99TH PERCENTILE	79.37		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPCAWT

VARIABLE LABEL: AWB:Avg across Army-Wide BARS <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.67		
5TH PERCENTILE	3.40		
10TH PERCENTILE	3.77	MINIMUM	2.40
25TH PERCENTILE	4.30	MAXIMUM	6.10
MEDIAN	4.72	MODE	4.45
75TH PERCENTILE	5.15	MEAN	4.67
90TH PERCENTILE	5.47	STANDARD DEVIATION	0.68
95TH PERCENTILE	5.70		
99TH PERCENTILE	6.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPCF01

VARIABLE LABEL: AWB F01: Tech Skill & Effort <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.58		
5TH PERCENTILE	3.26		
10TH PERCENTILE	3.60	MINIMUM	1.67
25TH PERCENTILE	4.07	MAXIMUM	6.20
MEDIAN	4.60	MODE	4.80
75TH PERCENTILE	5.00	MEAN	4.50
90TH PERCENTILE	5.40	STANDARD DEVIATION	0.72
95TH PERCENTILE	5.60		
99TH PERCENTILE	6.01		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPCF02

VARIABLE LABEL: AWB F02: Integrity & Control <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.15		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	2.00
25TH PERCENTILE	4.17	MAXIMUM	7.00
MEDIAN	4.72	MODE	5.33
75TH PERCENTILE	5.33	MEAN	4.68
90TH PERCENTILE	5.73	STANDARD DEVIATION	0.90
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.53		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPCF03

VARIABLE LABEL: AWB F03: Phys Fitness & Bearing <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.74		
5TH PERCENTILE	3.59		
10TH PERCENTILE	4.00	MINIMUM	2.50
25TH PERCENTILE	4.50	MAXIMUM	7.00
MEDIAN	5.13	MODE	5.25
75TH PERCENTILE	5.67	MEAN	5.07
90TH PERCENTILE	6.20	STANDARD DEVIATION	0.84
95TH PERCENTILE	6.45		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC01

VARIABLE LABEL: AWB A:Tech Skill <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.97		
5TH PERCENTILE	3.50		
10TH PERCENTILE	3.86	MINIMUM	1.67
25TH PERCENTILE	4.33	MAXIMUM	6.67
MEDIAN	4.80	MODE	5.00
75TH PERCENTILE	5.33	MEAN	4.80
90TH PERCENTILE	5.83	STANDARD DEVIATION	0.77
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.50		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC02

VARIABLE LABEL: AWB B:Effort <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.67		
10TH PERCENTILE	3.00	MINIMUM	2.00
25TH PERCENTILE	3.77	MAXIMUM	6.50
MEDIAN	4.40	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.36
90TH PERCENTILE	5.50	STANDARD DEVIATION	0.90
95TH PERCENTILE	5.83		
99TH PERCENTILE	6.35		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC03

VARIABLE LABEL: AWB C:Following Regs <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.95		
5TH PERCENTILE	2.71		
10TH PERCENTILE	3.25	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.67	MODE	5.00
75TH PERCENTILE	5.25	MEAN	4.60
90TH PERCENTILE	5.75	STANDARD DEVIATION	1.00
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC04

VARIABLE LABEL: AWB D:Integrity <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.39		
5TH PERCENTILE	2.83		
10TH PERCENTILE	3.40	MINIMUM	1.50
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.83	MODE	5.00
75TH PERCENTILE	5.40	MEAN	4.73
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.98
95TH PERCENTILE	6.21		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC05

VARIABLE LABEL: AWB E:Leadership <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.93		
5TH PERCENTILE	2.50		
10TH PERCENTILE	2.86	MINIMUM	1.17
25TH PERCENTILE	3.50	MAXIMUM	6.50
MEDIAN	4.20	MODE	4.00
75TH PERCENTILE	4.77	MEAN	4.13
90TH PERCENTILE	5.33	STANDARD DEVIATION	0.96
95TH PERCENTILE	5.63		
99TH PERCENTILE	6.26		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC06

VARIABLE LABEL: AWB F:Maintain Equip <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.48		
5TH PERCENTILE	3.50		
10TH PERCENTILE	3.80	MINIMUM	1.67
25TH PERCENTILE	4.43	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.95
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.86
95TH PERCENTILE	6.18		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC07

VARIABLE LABEL: AWB G:Military Appear <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.22		
5TH PERCENTILE	3.18		
10TH PERCENTILE	3.50	MINIMUM	1.50
25TH PERCENTILE	4.25	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.71	MEAN	4.96
90TH PERCENTILE	6.33	STANDARD DEVIATION	1.06
95TH PERCENTILE	6.60		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC08

VARIABLE LABEL: AWB H:Phys Fitness <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.54		
5TH PERCENTILE	3.50		
10TH PERCENTILE	3.83	MINIMUM	1.83
25TH PERCENTILE	4.67	MAXIMUM	7.00
MEDIAN	5.20	MODE	5.00
75TH PERCENTILE	5.83	MEAN	5.18
90TH PERCENTILE	6.33	STANDARD DEVIATION	0.94
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC09

VARIABLE LABEL: AWB I:Self Development <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.98		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.00	MINIMUM	1.80
25TH PERCENTILE	3.67	MAXIMUM	7.00
MEDIAN	4.25	MODE	4.00
75TH PERCENTILE	4.80	MEAN	4.25
90TH PERCENTILE	5.33	STANDARD DEVIATION	0.82
95TH PERCENTILE	5.50		
99TH PERCENTILE	6.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC10

VARIABLE LABEL: AWB J:Self Control <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.50		
5TH PERCENTILE	2.50		
10TH PERCENTILE	3.14	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.83	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.72
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.13
95TH PERCENTILE	6.45		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC11

VARIABLE LABEL: AWB:Overall Eff <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.50		
5TH PERCENTILE	3.50		
10TH PERCENTILE	3.83	MINIMUM	1.67
25TH PERCENTILE	4.33	MAXIMUM	7.00
MEDIAN	4.80	MODE	5.00
75TH PERCENTILE	5.33	MEAN	4.78
90TH PERCENTILE	5.75	STANDARD DEVIATION	0.77
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.35		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPC12

VARIABLE LABEL: AWB:NCO Potential <Comb>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.62		
5TH PERCENTILE	2.79		
10TH PERCENTILE	3.17	MINIMUM	1.00
25TH PERCENTILE	3.83	MAXIMUM	6.67
MEDIAN	4.67	MODE	5.00
75TH PERCENTILE	5.33	MEAN	4.55
90TH PERCENTILE	5.80	STANDARD DEVIATION	1.01
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.50		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPPAWT

VARIABLE LABEL: AWB:Avg across Army-Wide BARS <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.49		
5TH PERCENTILE	3.35		
10TH PERCENTILE	3.70	MINIMUM	2.17
25TH PERCENTILE	4.26	MAXIMUM	6.60
MEDIAN	4.85	MODE	5.30
75TH PERCENTILE	5.28	MEAN	4.72
90TH PERCENTILE	5.54	STANDARD DEVIATION	0.75
95TH PERCENTILE	5.74		
99TH PERCENTILE	6.60		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPPF01

VARIABLE LABEL: AWB F01: Tech Skill & Effort <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.59		
5TH PERCENTILE	3.10		
10TH PERCENTILE	3.45	MINIMUM	1.55
25TH PERCENTILE	4.05	MAXIMUM	6.60
MEDIAN	4.70	MODE	4.80
75TH PERCENTILE	5.12	MEAN	4.60
90TH PERCENTILE	5.60	STANDARD DEVIATION	0.82
95TH PERCENTILE	5.80		
99TH PERCENTILE	6.40		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPPF02

VARIABLE LABEL: AWB F02: Integrity & Control <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.13		
5TH PERCENTILE	3.13		
10TH PERCENTILE	3.50	MINIMUM	1.33
25TH PERCENTILE	4.17	MAXIMUM	7.00
MEDIAN	4.78	MODE	5.00
75TH PERCENTILE	5.33	MEAN	4.73
90TH PERCENTILE	5.87	STANDARD DEVIATION	0.92
95TH PERCENTILE	6.08		
99TH PERCENTILE	6.67		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPPF03

VARIABLE LABEL: AWB F03: Phys Fitness & Bearing <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.49		
5TH PERCENTILE	3.41		
10TH PERCENTILE	4.00	MINIMUM	2.33
25TH PERCENTILE	4.50	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.61	MEAN	5.01
90TH PERCENTILE	6.17	STANDARD DEVIATION	0.88
95TH PERCENTILE	6.50		
99TH PERCENTILE	6.66		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP01

VARIABLE LABEL: AWB A:Tech Skill <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.48		
5TH PERCENTILE	3.33		
10TH PERCENTILE	3.75	MINIMUM	1.75
25TH PERCENTILE	4.33	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.93
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.93
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP02

VARIABLE LABEL: AWB B:Effort <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.97		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.33	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.65	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.49
90TH PERCENTILE	5.67	STANDARD DEVIATION	0.95
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP03

VARIABLE LABEL: AWB C:Following Regs <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.33	MINIMUM	1.50
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.67	MODE	5.00
75TH PERCENTILE	5.33	MEAN	4.63
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.01
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP04

VARIABLE LABEL: AWB D:Integrity <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.84		
5TH PERCENTILE	2.91		
10TH PERCENTILE	3.25	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.76
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.13
95TH PERCENTILE	6.52		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP05

VARIABLE LABEL: AWB E:Leadership <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.47		
5TH PERCENTILE	2.33		
10TH PERCENTILE	2.69	MINIMUM	0.90
25TH PERCENTILE	3.50	MAXIMUM	7.00
MEDIAN	4.33	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.32
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.20
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP06

VARIABLE LABEL: AWB F:Maintain Equip <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.98		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.68	MINIMUM	1.50
25TH PERCENTILE	4.33	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.75	MEAN	4.97
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.94
95TH PERCENTILE	6.29		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP07

VARIABLE LABEL: AWB G:Military Appear <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.65		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	1.16
25TH PERCENTILE	4.29	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.75	MEAN	4.96
90TH PERCENTILE	6.50	STANDARD DEVIATION	1.14
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP08

VARIABLE LABEL: AWB H:Phys Fitness <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.54		
5TH PERCENTILE	3.37		
10TH PERCENTILE	4.00	MINIMUM	2.00
25TH PERCENTILE	4.50	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.67	MEAN	5.06
90TH PERCENTILE	6.25	STANDARD DEVIATION	0.96
95TH PERCENTILE	6.67		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP09

VARIABLE LABEL: AWB I:Self Development <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.48		
5TH PERCENTILE	2.50		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	3.68	MAXIMUM	7.00
MEDIAN	4.33	MODE	4.00
75TH PERCENTILE	5.00	MEAN	4.27
90TH PERCENTILE	5.50	STANDARD DEVIATION	1.02
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP10

VARIABLE LABEL: AWB J:Self Control <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.36		
10TH PERCENTILE	3.25	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.67	MEAN	4.79
90TH PERCENTILE	6.33	STANDARD DEVIATION	1.26
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP11

VARIABLE LABEL: AWB:Overall Eff <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.37		
5TH PERCENTILE	3.50		
10TH PERCENTILE	4.00	MINIMUM	1.00
25TH PERCENTILE	4.33	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.36	MEAN	4.85
90TH PERCENTILE	6.00	STANDARD DEVIATION	0.85
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPP12

VARIABLE LABEL: AWB:NCO Potential <Peer>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.22		
5TH PERCENTILE	2.50		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.67	MODE	6.00
75TH PERCENTILE	5.50	MEAN	4.62
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.19
95TH PERCENTILE	6.29		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPSAWT

VARIABLE LABEL: AWB:Avg across Army-Wide BARS <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.33		
5TH PERCENTILE	3.07		
10TH PERCENTILE	3.45	MINIMUM	2.10
25TH PERCENTILE	4.10	MAXIMUM	6.50
MEDIAN	4.60	MODE	4.30
75TH PERCENTILE	5.20	MEAN	4.60
90TH PERCENTILE	5.71	STANDARD DEVIATION	0.85
95TH PERCENTILE	5.85		
99TH PERCENTILE	6.50		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPSF01

VARIABLE LABEL: AWB F01: Tech Skill & Effort <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.88		
5TH PERCENTILE	2.75		
10TH PERCENTILE	3.20	MINIMUM	1.70
25TH PERCENTILE	3.80	MAXIMUM	6.40
MEDIAN	4.50	MODE	4.80
75TH PERCENTILE	5.00	MEAN	4.39
90TH PERCENTILE	5.60	STANDARD DEVIATION	0.92
95TH PERCENTILE	5.80		
99TH PERCENTILE	6.30		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPSF02

VARIABLE LABEL: AWB F02: Integrity & Control <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.67		
5TH PERCENTILE	2.50		
10TH PERCENTILE	3.00	MINIMUM	1.33
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.83	MODE	4.83
75TH PERCENTILE	5.36	MEAN	4.60
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.13
95TH PERCENTILE	6.33		
99TH PERCENTILE	6.85		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPSF03

VARIABLE LABEL: AWB F03: Phys Fitness & Bearing <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.72		
5TH PERCENTILE	3.25		
10TH PERCENTILE	3.75	MINIMUM	2.25
25TH PERCENTILE	4.50	MAXIMUM	7.00
MEDIAN	5.25	MODE	6.00
75TH PERCENTILE	6.00	MEAN	5.13
90TH PERCENTILE	6.50	STANDARD DEVIATION	1.02
95TH PERCENTILE	6.75		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS01

VARIABLE LABEL: AWB A:Tech Skill <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.50		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.67
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.01
95TH PERCENTILE	6.00		
99TH PERCENTILE	6.55		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS02

VARIABLE LABEL: AWB B:Effort <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.45		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.50	MINIMUM	1.00
25TH PERCENTILE	3.50	MAXIMUM	7.00
MEDIAN	4.50	MODE	5.00
75TH PERCENTILE	5.00	MEAN	4.29
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.21
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS03

VARIABLE LABEL: AWB C:Following Regs <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.50		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.50	MINIMUM	1.00
25TH PERCENTILE	3.97	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.53
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.30
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS04

VARIABLE LABEL: AWB D:Integrity <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.95		
5TH PERCENTILE	2.00		
10TH PERCENTILE	3.00	MINIMUM	1.50
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.68
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.23
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS05

VARIABLE LABEL: AWB E:Leadership <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	2.00	MINIMUM	1.00
25TH PERCENTILE	3.00	MAXIMUM	7.00
MEDIAN	4.00	MODE	5.00
75TH PERCENTILE	5.00	MEAN	3.89
90TH PERCENTILE	5.50	STANDARD DEVIATION	1.24
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS06

VARIABLE LABEL: AWB F:Maintain Equip <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	2.75		
10TH PERCENTILE	3.50	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	6.00	MEAN	4.88
90TH PERCENTILE	6.33	STANDARD DEVIATION	1.19
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS07

VARIABLE LABEL: AWB G:Military Appear <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.95		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	6.00	MEAN	4.98
90TH PERCENTILE	6.54	STANDARD DEVIATION	1.29
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS08

VARIABLE LABEL: AWB H:Phys Fitness <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	1.50
25TH PERCENTILE	4.50	MAXIMUM	7.00
MEDIAN	5.50	MODE	6.00
75TH PERCENTILE	6.00	MEAN	5.29
90TH PERCENTILE	7.00	STANDARD DEVIATION	1.17
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS09

VARIABLE LABEL: AWB I:Self Development <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.50		
5TH PERCENTILE	2.04		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	3.50	MAXIMUM	7.00
MEDIAN	4.00	MODE	4.00
75TH PERCENTILE	5.00	MEAN	4.22
90TH PERCENTILE	5.50	STANDARD DEVIATION	1.06
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS10

VARIABLE LABEL: AWB J:Self Control <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	4.67	MODE	5.00
75TH PERCENTILE	5.81	MEAN	4.61
90TH PERCENTILE	6.50	STANDARD DEVIATION	1.42
95TH PERCENTILE	7.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS11

VARIABLE LABEL: AWB:Overall Eff <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	2.00		
5TH PERCENTILE	3.00		
10TH PERCENTILE	3.50	MINIMUM	1.50
25TH PERCENTILE	4.00	MAXIMUM	7.00
MEDIAN	5.00	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.72
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.02
95TH PERCENTILE	6.00		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XPS12

VARIABLE LABEL: AWB:NCO Potential <Supv>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	1.00		
5TH PERCENTILE	2.00		
10TH PERCENTILE	3.00	MINIMUM	1.00
25TH PERCENTILE	3.50	MAXIMUM	7.00
MEDIAN	4.50	MODE	5.00
75TH PERCENTILE	5.50	MEAN	4.45
90TH PERCENTILE	6.00	STANDARD DEVIATION	1.31
95TH PERCENTILE	6.50		
99TH PERCENTILE	7.00		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XSSH1T

VARIABLE LABEL: K3 # CORR: Task 3 Items, Half 1

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	25.88		
5TH PERCENTILE	33.40		
10TH PERCENTILE	39.88	MINIMUM	14.00
25TH PERCENTILE	47.00	MAXIMUM	75.00
MEDIAN	54.00	MODE	56.00
75TH PERCENTILE	60.00	MEAN	52.81
90TH PERCENTILE	66.00	STANDARD DEVIATION	10.04
95TH PERCENTILE	68.00		
99TH PERCENTILE	71.24		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

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FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XSSH2T

VARIABLE LABEL: K3 # CORR: Task 3 Items, Half 2

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	23.88		
5TH PERCENTILE	33.00		
10TH PERCENTILE	38.00	MINIMUM	22.00
25TH PERCENTILE	46.00	MAXIMUM	78.00
MEDIAN	55.00	MODE	59.00
75TH PERCENTILE	60.00	MEAN	52.91
90TH PERCENTILE	65.36	STANDARD DEVIATION	10.66
95TH PERCENTILE	68.60		
99TH PERCENTILE	73.12		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	287
NUMBER OF CASES WITH MISSING VALUES	2
PERCENT OF CASES WITH MISSING VALUES	0.69

DATA ORIGIN: CV Criterion Measures

VARIABLE NAME: M3XSTOTT

VARIABLE LABEL: K3: Total School Knowledge Score

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	30.06		
5TH PERCENTILE	39.77		
10TH PERCENTILE	43.43	MINIMUM	21.14
25TH PERCENTILE	53.43	MAXIMUM	84.00
MEDIAN	61.71	MODE	59.43
75TH PERCENTILE	68.00	MEAN	60.34
90TH PERCENTILE	74.29	STANDARD DEVIATION	11.40
95TH PERCENTILE	77.14		
99TH PERCENTILE	83.43		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated

VARIABLE NAME: NMISSING

VARIABLE LABEL: No. of missing crit construct scores

VARIABLE TYPE: DIGIT(CODED) NUMBER OF DIGITS: 1

VALUE:MEANING	FREQUENCY	PERCENT
0	289	100.00

DATA ORIGIN: Skill Qual Test (SQT)

VARIABLE NAME: P1SQTSCR

VARIABLE LABEL: SQT SCORE

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	54.55		
5TH PERCENTILE	61.78		
10TH PERCENTILE	63.95	MINIMUM	37.88
25TH PERCENTILE	68.27	MAXIMUM	91.42
MEDIAN	76.27	MODE	66.33
75TH PERCENTILE	81.66	MEAN	75.32
90TH PERCENTILE	86.08	STANDARD DEVIATION	8.61
95TH PERCENTILE	88.63		
99TH PERCENTILE	91.14		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	248
NUMBER OF CASES WITH MISSING VALUES	41
PERCENT OF CASES WITH MISSING VALUES	14.19

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSGKCLB

VARIABLE LABEL: K5 CL B: Basic Soldiering <Residuals>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	-10.17		
5TH PERCENTILE	-6.63		
10TH PERCENTILE	-4.97	MINIMUM	-12.68
25TH PERCENTILE	-2.47	MAXIMUM	8.92
MEDIAN	0.63	MODE	-12.68
75TH PERCENTILE	3.28	MEAN	0.28
90TH PERCENTILE	4.60	STANDARD DEVIATION	3.93
95TH PERCENTILE	5.87		
99TH PERCENTILE	8.36		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSGKCLC

VARIABLE LABEL: K5 CL C: Communication <Residuals>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	-6.23		
5TH PERCENTILE	-4.27		
10TH PERCENTILE	-3.25	MINIMUM	-7.92
25TH PERCENTILE	-1.20	MAXIMUM	5.53
MEDIAN	0.35	MODE	-7.92
75TH PERCENTILE	1.61	MEAN	0.08
90TH PERCENTILE	3.01	STANDARD DEVIATION	2.32
95TH PERCENTILE	3.42		
99TH PERCENTILE	4.65		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSGKCLI

VARIABLE LABEL: K5 CL I: ID Target <Residuals>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	-4.23		
5TH PERCENTILE	-3.17		
10TH PERCENTILE	-2.56	MINIMUM	-4.75
25TH PERCENTILE	-1.62	MAXIMUM	5.37
MEDIAN	-0.11	MODE	-4.75
75TH PERCENTILE	1.51	MEAN	0.03
90TH PERCENTILE	2.94	STANDARD DEVIATION	2.09
95TH PERCENTILE	3.64		
99TH PERCENTILE	4.90		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSGKCLS

VARIABLE LABEL: K5 CL S: Safety <Residuals>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	-9.97		
5TH PERCENTILE	-6.57		
10TH PERCENTILE	-4.05	MINIMUM	-10.50
25TH PERCENTILE	-1.77	MAXIMUM	8.34
MEDIAN	0.46	MODE	-10.50
75TH PERCENTILE	2.52	MEAN	0.24
90TH PERCENTILE	4.94	STANDARD DEVIATION	3.57
95TH PERCENTILE	5.52		
99TH PERCENTILE	7.49		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSGKCLT

VARIABLE LABEL: K5 CL T: Technical <Residuals>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	-25.26		
5TH PERCENTILE	-15.04		
10TH PERCENTILE	-11.11	MINIMUM	-26.11
25TH PERCENTILE	-5.17	MAXIMUM	19.45
MEDIAN	1.03	MODE	-26.11
75TH PERCENTILE	7.34	MEAN	0.51
90TH PERCENTILE	11.64	STANDARD DEVIATION	8.87
95TH PERCENTILE	14.01		
99TH PERCENTILE	18.71		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSGKCLV

VARIABLE LABEL: K5 CL V: Vehicle Maint/Op <Residuals>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	-3.78		
5TH PERCENTILE	-2.84		
10TH PERCENTILE	-2.27	MINIMUM	-5.07
25TH PERCENTILE	-1.04	MAXIMUM	4.55
MEDIAN	0.08	MODE	-5.07
75TH PERCENTILE	1.23	MEAN	0.05
90TH PERCENTILE	2.30	STANDARD DEVIATION	1.72
95TH PERCENTILE	2.83		
99TH PERCENTILE	4.11		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSGSCLB

VARIABLE LABEL: K3 CL B: Basic Soldiering <Residuals>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	-6.54		
5TH PERCENTILE	-4.05		
10TH PERCENTILE	-3.11	MINIMUM	-6.94
25TH PERCENTILE	-1.22	MAXIMUM	6.30
MEDIAN	0.26	MODE	-6.94
75TH PERCENTILE	1.77	MEAN	0.13
90TH PERCENTILE	2.99	STANDARD DEVIATION	2.31
95TH PERCENTILE	3.59		
99TH PERCENTILE	5.33		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSGSCLI

VARIABLE LABEL: K3 CL I: ID Target <Residuals>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	-1.40		
5TH PERCENTILE	-1.28		
10TH PERCENTILE	-1.17	MINIMUM	-1.52
25TH PERCENTILE	-0.73	MAXIMUM	2.22
MEDIAN	-0.09	MODE	-1.52
75TH PERCENTILE	0.71	MEAN	0.02
90TH PERCENTILE	1.06	STANDARD DEVIATION	0.89
95TH PERCENTILE	1.80		
99TH PERCENTILE	2.09		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSGSCLS

VARIABLE LABEL: K3 CL S: Safety <Residuals>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	-5.77		
5TH PERCENTILE	-4.25		
10TH PERCENTILE	-3.35	MINIMUM	-6.78
25TH PERCENTILE	-1.39	MAXIMUM	5.35
MEDIAN	0.36	MODE	-6.78
75TH PERCENTILE	1.68	MEAN	0.10
90TH PERCENTILE	3.12	STANDARD DEVIATION	2.34
95TH PERCENTILE	3.79		
99TH PERCENTILE	4.84		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSGSCLT

VARIABLE LABEL: K3 CL T: Technical <Residuals>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	-34.49		
5TH PERCENTILE	-18.70		
10TH PERCENTILE	-13.96	MINIMUM	-39.11
25TH PERCENTILE	-5.83	MAXIMUM	30.34
MEDIAN	1.43	MODE	-39.11
75TH PERCENTILE	8.23	MEAN	0.96
90TH PERCENTILE	15.10	STANDARD DEVIATION	11.56
95TH PERCENTILE	19.53		
99TH PERCENTILE	28.76		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSGSCLV

VARIABLE LABEL: K3 CL V: Vehicle Maint/Op <Residuals>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 1

1ST PERCENTILE	-3.21		
5TH PERCENTILE	-2.29		
10TH PERCENTILE	-1.72	MINIMUM	-4.00
25TH PERCENTILE	-0.91	MAXIMUM	4.04
MEDIAN	0.06	MODE	-4.00
75TH PERCENTILE	1.22	MEAN	0.11
90TH PERCENTILE	2.00	STANDARD DEVIATION	1.48
95TH PERCENTILE	2.68		
99TH PERCENTILE	3.81		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSKCTP

VARIABLE LABEL: K5 Core Technical Prof (resid scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	-25.26		
5TH PERCENTILE	-15.04		
10TH PERCENTILE	-11.11	MINIMUM	-26.11
25TH PERCENTILE	-5.17	MAXIMUM	19.45
MEDIAN	1.03	MODE	-26.11
75TH PERCENTILE	7.34	MEAN	0.51
90TH PERCENTILE	11.64	STANDARD DEVIATION	8.87
95TH PERCENTILE	14.01		
99TH PERCENTILE	18.71		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSKGSP

VARIABLE LABEL: K5 Gen Soldiering Prof (resid scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	-19.94		
5TH PERCENTILE	-13.43		
10TH PERCENTILE	-10.22	MINIMUM	-21.72
25TH PERCENTILE	-5.39	MAXIMUM	20.53
MEDIAN	1.48	MODE	-21.72
75TH PERCENTILE	6.85	MEAN	0.68
90TH PERCENTILE	9.92	STANDARD DEVIATION	8.09
95TH PERCENTILE	12.61		
99TH PERCENTILE	18.01		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSMPCF01

VARIABLE LABEL: MOB mos: Factor I <Comb> <Residuals>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	26.04		
5TH PERCENTILE	32.49		
10TH PERCENTILE	37.27	MINIMUM	21.66
25TH PERCENTILE	44.09	MAXIMUM	72.26
MEDIAN	51.38	MODE	21.66
75TH PERCENTILE	57.33	MEAN	50.54
90TH PERCENTILE	62.81	STANDARD DEVIATION	9.80
95TH PERCENTILE	66.39		
99TH PERCENTILE	70.89		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSMPCF02

VARIABLE LABEL: MOB mos: Factor II <Comb> <Residuals>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	18.17		
5TH PERCENTILE	31.79		
10TH PERCENTILE	37.13	MINIMUM	12.66
25TH PERCENTILE	45.30	MAXIMUM	72.36
MEDIAN	51.53	MODE	12.66
75TH PERCENTILE	56.93	MEAN	50.22
90TH PERCENTILE	61.90	STANDARD DEVIATION	9.90
95TH PERCENTILE	64.98		
99TH PERCENTILE	70.86		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSRATING

VARIABLE LABEL: Total Rating Score (std resid scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 3

1ST PERCENTILE	-135.8		
5TH PERCENTILE	-85.73		
10TH PERCENTILE	-62.25	MINIMUM	-144.12
25TH PERCENTILE	-28.75	MAXIMUM	143.41
MEDIAN	7.84	MODE	-144.12
75TH PERCENTILE	38.12	MEAN	3.18
90TH PERCENTILE	64.94	STANDARD DEVIATION	49.83
95TH PERCENTILE	74.87		
99TH PERCENTILE	131.13		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSSCTP

VARIABLE LABEL: K3 Core Technical Prof (resid scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	-34.49		
5TH PERCENTILE	-18.70		
10TH PERCENTILE	-13.96	MINIMUM	-39.11
25TH PERCENTILE	-5.83	MAXIMUM	30.34
MEDIAN	1.43	MODE	-39.11
75TH PERCENTILE	8.23	MEAN	0.96
90TH PERCENTILE	15.10	STANDARD DEVIATION	11.56
95TH PERCENTILE	19.53		
99TH PERCENTILE	28.76		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSSGSP

VARIABLE LABEL: K3 Gen Soldiering Prof (resid scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	-11.87		
5TH PERCENTILE	-8.00		
10TH PERCENTILE	-6.13	MINIMUM	-12.48
25TH PERCENTILE	-2.59	MAXIMUM	12.11
MEDIAN	0.99	MODE	-12.48
75TH PERCENTILE	3.65	MEAN	0.36
90TH PERCENTILE	6.11	STANDARD DEVIATION	4.75
95TH PERCENTILE	7.95		
99TH PERCENTILE	10.72		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSVERBAL

VARIABLE LABEL: Total Written Test Score (resid scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	-65.76		
5TH PERCENTILE	-47.73		
10TH PERCENTILE	-33.93	MINIMUM	-73.04
25TH PERCENTILE	-17.22	MAXIMUM	95.81
MEDIAN	3.24	MODE	-73.04
75TH PERCENTILE	21.37	MEAN	2.16
90TH PERCENTILE	38.15	STANDARD DEVIATION	27.86
95TH PERCENTILE	44.13		
99TH PERCENTILE	56.47		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSWCTP

VARIABLE LABEL: Written Core Tech Prof (resid scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	24.08		
5TH PERCENTILE	32.51		
10TH PERCENTILE	37.42	MINIMUM	22.17
25TH PERCENTILE	45.38	MAXIMUM	75.39
MEDIAN	50.96	MODE	22.17
75TH PERCENTILE	57.00	MEAN	50.83
90TH PERCENTILE	63.21	STANDARD DEVIATION	9.87
95TH PERCENTILE	67.46		
99TH PERCENTILE	71.50		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSWGSP

VARIABLE LABEL: Written Gen Soldier Prof (resid scores)

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	27.23		
5TH PERCENTILE	33.68		
10TH PERCENTILE	37.83	MINIMUM	21.96
25TH PERCENTILE	45.67	MAXIMUM	80.33
MEDIAN	51.04	MODE	21.96
75TH PERCENTILE	58.01	MEAN	50.97
90TH PERCENTILE	62.73	STANDARD DEVIATION	9.66
95TH PERCENTILE	64.92		
99TH PERCENTILE	72.49		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSXCCAWC

VARIABLE LABEL: COMB: Avg Combat Pred Rtng <Comb> <Resid>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	27.44		
5TH PERCENTILE	34.72		
10TH PERCENTILE	37.76	MINIMUM	19.66
25TH PERCENTILE	43.59	MAXIMUM	80.09
MEDIAN	50.96	MODE	19.66
75TH PERCENTILE	57.53	MEAN	50.61
90TH PERCENTILE	62.35	STANDARD DEVIATION	9.56
95TH PERCENTILE	64.66		
99TH PERCENTILE	73.26		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSXPCF01

VARIABLE LABEL: AWB F01: Tech Skill/Effort <Comb> <Resid>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	24.97		
5TH PERCENTILE	34.35		
10TH PERCENTILE	38.24	MINIMUM	21.87
25TH PERCENTILE	44.40	MAXIMUM	75.74
MEDIAN	51.07	MODE	21.87
75TH PERCENTILE	57.54	MEAN	50.76
90TH PERCENTILE	63.39	STANDARD DEVIATION	9.63
95TH PERCENTILE	65.68		
99TH PERCENTILE	71.29		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSXPCF02

VARIABLE LABEL: AWB F02: Integrity/Control <Comb> <Resid>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	19.38		
5TH PERCENTILE	32.91		
10TH PERCENTILE	37.63	MINIMUM	15.08
25TH PERCENTILE	44.90	MAXIMUM	77.70
MEDIAN	51.34	MODE	15.08
75TH PERCENTILE	56.27	MEAN	50.21
90TH PERCENTILE	60.93	STANDARD DEVIATION	9.50
95TH PERCENTILE	64.12		
99TH PERCENTILE	72.59		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSXPCF03

VARIABLE LABEL: AWB F03: Phys Fit <Comb> <Residuals>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	21.90		
5TH PERCENTILE	34.02		
10TH PERCENTILE	38.14	MINIMUM	17.25
25TH PERCENTILE	43.39	MAXIMUM	73.32
MEDIAN	50.27	MODE	17.25
75TH PERCENTILE	55.80	MEAN	50.01
90TH PERCENTILE	62.44	STANDARD DEVIATION	9.81
95TH PERCENTILE	66.60		
99TH PERCENTILE	72.02		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

PROJECT A LRDB DOCUMENTATION 01/31/87

FILE IDENTITY: SAS.M3AmosV3 VERSION 3.1

DATA ORIGIN: LRDB Generated Residual Scores

VARIABLE NAME: RSXPC11

VARIABLE LABEL: AWB: Overall Eff <Comb> <Residuals>

VARIABLE TYPE: NUMERIC NUMBER OF DIGITS: 2

1ST PERCENTILE	22.11		
5TH PERCENTILE	34.23		
10TH PERCENTILE	39.34	MINIMUM	18.08
25TH PERCENTILE	44.91	MAXIMUM	78.69
MEDIAN	51.52	MODE	18.08
75TH PERCENTILE	57.22	MEAN	50.64
90TH PERCENTILE	61.87	STANDARD DEVIATION	9.52
95TH PERCENTILE	64.29		
99TH PERCENTILE	70.40		

TOTAL NUMBER OF OBSERVATIONS	289
NUMBER OF CASES WITH NON MISSING VALUES	289
NUMBER OF CASES WITH MISSING VALUES	0
PERCENT OF CASES WITH MISSING VALUES	0.00

*** PRINTING CHARGES ***

LINES PRINTED: 29,219

MACHINE UNITS: 69.260

CHARGE: $18.70