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AIR FORCE

HUMAN RESOURCES

LABORATORY

TRAINING SYSTEMS FOR MAINTENANCE (TRANSFORM) USER'S MANUAL

H. Barbara Sorensen

MANPOWER AND PERSONNEL DIVISION
Brooks Air Force Base, Texas 78235-5601

John S. Park, Jr.
Paula Awtry

Dynamics Research Corporation
60 Frontage Road
Andover, Massachusetts 01810

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AIR FORCE SYSTEMS COMMAND
BROOKS AIR FORCE BASE, TEXAS 78235-5601

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This paper has been reviewed and is approved for publication.

WILLIAM E. ALLEY, Technical Director
Manpower and Personnel Division

DANIEL L. LEIGHTON, Colonel, USAF
Chief, Manpower and Personnel Division

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H. Barbara Sorensen
John S. Park, Jr.
Paula Awtry

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)

Dynamics Research Corporation
60 Frontage Road
Andover, Massachusetts 01810

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This document provides a User's Manual for the TRANSFORM program with detailed guidance on the operation of the TRANSFORM subset of Air Force procedures that support the Joint Service Instructional Systems Development/Logistic Support Analysis Record Decision Support System. The User's Manual is designed for specific use by Air Force activities such as the 3306th Test and Evaluation Squadron, Edwards AFB, California. Training designers rely on the availability of up-to-date Logistic Support Analysis (LSA) data early in the acquisition process in order to develop a training system that reflects the current design of a weapon system. Such a system must be easily adaptable to all engineering design changes and must meet the maintainability and supportability objectives of a weapon system. Using Logistic Support Analysis Record (LSAR) data to support the Instructional Systems Development (ISD) training requirements analysis process is one strength of the procedures performance by the 3306th TES, Edwards AFB, California.

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H. Barbara Sorensen

MANPOWER AND PERSONNEL DIVISION
Brooks Air Force Base, Texas 78235-5601

John S. Park, Jr.
Paula Awtry

Dynamics Research Corporation
60 Frontage Road
Andover, Massachusetts 01810

Reviewed and submitted for publication by

Timothy M. Bergquist, Major, USAF
Chief, Manpower, Personnel, and Training Technology Branch

SUMMARY

An automated interface between Logistic Support Analysis (LSA) data and the Instructional Systems Development (ISD) procedures provides training developers for emerging weapon systems with a means to assist in identifying training requirements earlier in the weapon system acquisition phase.

This Training Systems for Maintenance (TRANSFORM) User's Manual describes the current methods and procedures used by the 3306th Test and Evaluation Squadron in applying the ISD process and interfacing with other Air Force agencies.

PREFACE

This technical paper was produced under USN Contract No. N61337-87-D0007, Training Systems for Maintenance (TRANSFORM). The work was performed under AFHRL Work Unit 77191911 by Dynamics Research Corporation. The objective of TRANSFORM is to provide the Air Force with an alternate system to support the training development mission of the 3306 Test and Evaluation Squadron, Edwards Air Force Base, California. A major goal of TRANSFORM is to improve key Instructional Systems Development (ISD) analysis steps that would significantly benefit from automation and decision support features. The TRANSFORM System Overview provides the documentation to support the prototype TRANSFORM system that was developed to demonstrate the design concepts for automated ISD.

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1.0 INTRODUCTION

1.1 GENERAL

Instructional Systems Development (ISD) is a systems engineering approach to training. ISD is a structured series of analytical steps that determine the training system design requirements for a given weapon system. ISD considers the relative need and appropriate methods to train each weapon system task and task element, and assesses the skills and knowledges of a target student population. ISD uses an iterative, building-block approach to determine a weapon system's training system design requirements.

The Logistic Support Analysis Record (LSAR) is a database that contains design and logistics information for a weapon system. Logistic Support Analysis (LSA) is the iterative process that regularly updates the system's design and supportability information through all phases of acquisition.

Training designers rely on the availability of up-to-date LSA data early in the acquisition process in order to develop a training system that reflects the current design of a weapon system. Such a training system must be easily adaptable to all engineering design changes and must meet the maintainability and supportability objectives of a weapon system. Using LSAR data to support the ISD training requirements analysis process is one strength of the ISD procedures performed by the 3306th Test and Evaluation Squadron (TES) Edwards Air Force Base, California. Under the name Training System for Maintenance (TRANSFORM), a research and development effort was begun to assess the feasibility of implementing an automated ISD analysis tool (3306th TES ISD procedures) integrated with the LSA process. The early TRANSFORM efforts concluded that an operational TRANSFORM system could successfully incorporate the delivery of new and modified weapon system information through an automated interface of LSAR data and the ISD process.

The apparent benefits of the TRANSFORM design are attractive not only to the Air Force, but to other Services. Although ISD procedures differ across Services, each Service conforms to the same generic ISD approach. The uniquely appealing feature of the TRANSFORM design is the automated interface with the LSA process.

The outgrowth of the multi-service interest in the TRANSFORM effort is the ongoing design and implementation effort called the Joint Service ISD/LSAR Decision Support System (DSS).

The Joint Service ISD/LSAR DSS uses the TRANSFORM LSAR-to-ISD interface design, which incorporates a range of ISD tools and techniques to accommodate service-specific and situational ISD analyses. The ISD/LSAR DSS effort included an in-depth functional analysis of many Joint Service ISD systems and was performed to extend the TRANSFORM 3306th TES ISD methodology to be generically applicable across Services.

TRANSFORM is <u>not</u> a software system in addition to the ISD/LSAR DSS. Rather, it is the subset of ISD/LSAR DSS Joint Service ISD procedures that are performed by the 3306th TES and all ISD/LSAR DSS LSAR data extraction and manipulation procedures. Additionally, the TRANSFORM set of ISD procedures will also include a more comprehensive and flexible training media selection model to augment current 3306th TES media selection logic.

Figure 1 is an arrangement of Joint Service ISD/LSAR DSS procedures. The ISD/LSAR DSS consists of LSAR data input routines and Joint Service ISD analysis processes. The system includes utility functions that provide system security, database administration, report generation, and ISD analysis functions. In Figure 1, the TRANSFORM set of LSAR manipulation and ISD procedures are shaded. The procedures with bold outline are those that are implemented in the Version 2.0 interim Joint Service ISD/LSAR DSS.

The TRANSFORM User's Manual provides detailed guidance on the operation of the TRANSFORM subset of Joint Service ISD/LSAR DSS (Version 2.0) procedures. The User's Manual is designed for the specific use of the 3306th TES. Figure 2 provides a hierarchy of the LSAR data manipulation and ISD procedures that are described in this manual. Within this User's Manual, these procedures are referred to hereafter as simply TRANSFORM or the TRANSFORM system.

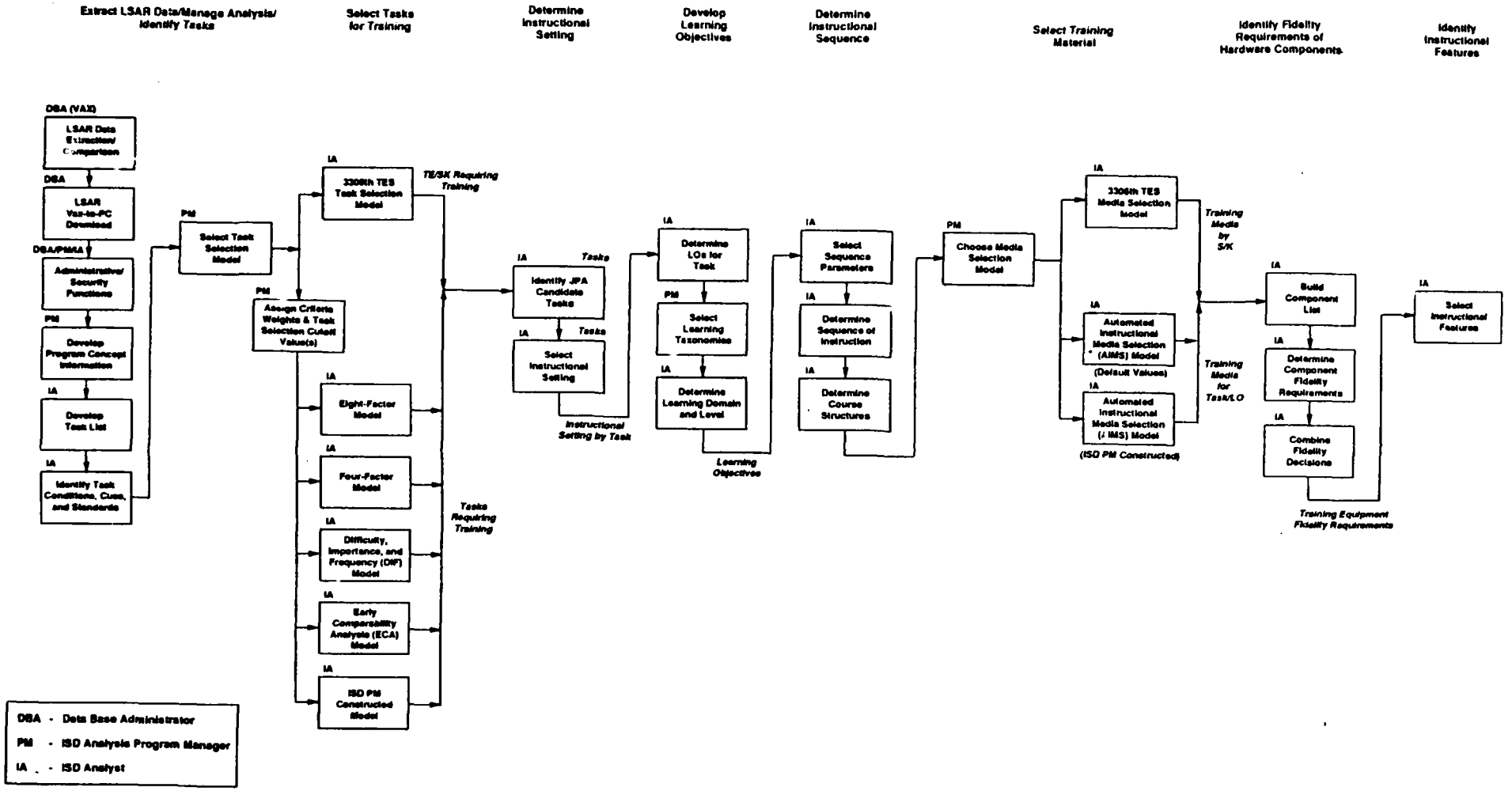


Figure 1. Joint Service ISD/LSAR DSS.

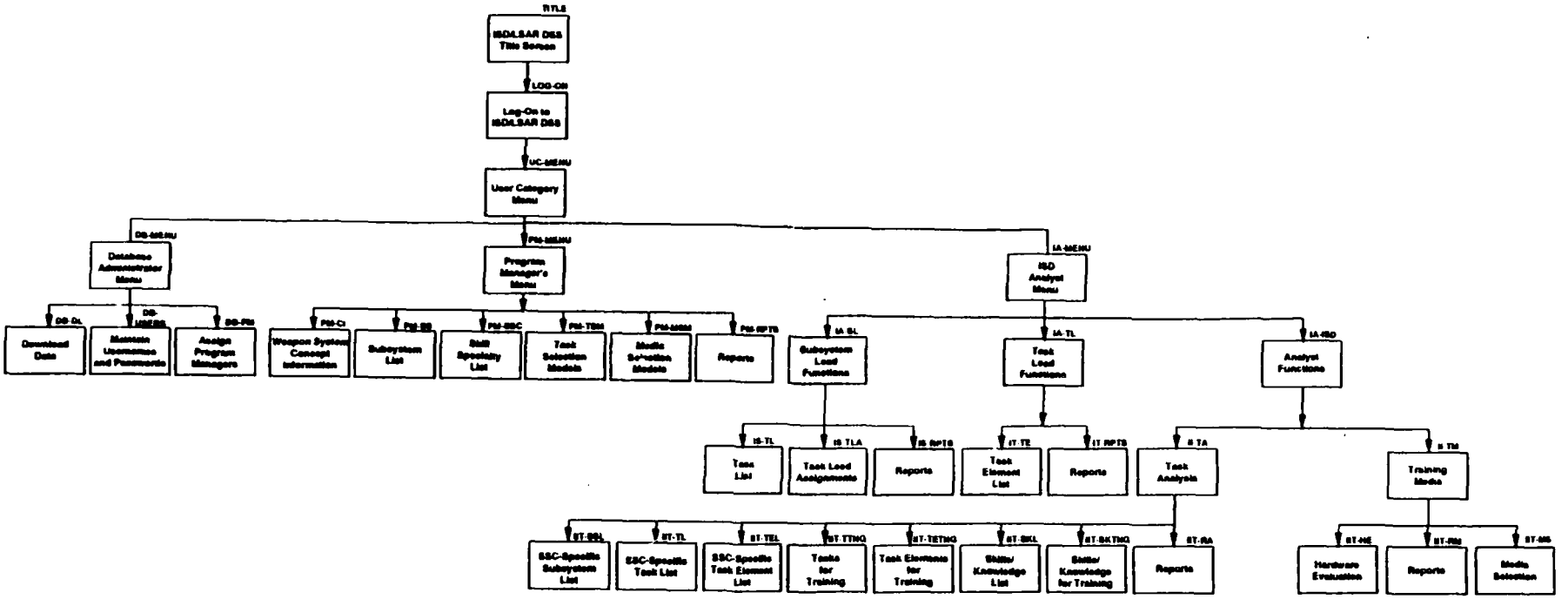


Figure 2. Overview of the ISD/LSAR DSS, Version 2.0.

1.2 USER CLASSIFICATIONS

TRANSFORM has five user classifications: Database Administrator Program Manager, ISD Analyst, Quality Assurance Reviewer, and Reference File Maintainer. Each classification has specific responsibilities for managing and using TRANSFORM. The following paragraphs describe each user's responsibilities. In this manual, Database Administrator functions are described in Section 3.0; Program Manager functions are described in Section 4.0; and ISD Analyst functions are described in Section 5.0.

1.2.1 Database Administrator (DA)

The Database Administrator (DA) initially prepares TRANSFORM for an ISD analysis, incorporates the LSAR update data, grants user access, and maintains ISD analysis data files for all past and present ISD analyses.

1.2.2 Program Manager (PM)

The Program Manager (PM) develops the subsystem list using LSAR data, if available. The subsystem list provides the ISD analysis structure for each weapon system. The PM then assigns a Subsystem Lead Analyst to each subsystem. The PM also assigns each analyst one or more skill specialties related to the weapon system under analysis. The PM can tailor TRANSFORM for a specific ISD analysis by describing training system constraints, and selecting task and media selection models.

1.2.3 ISD Analyst (IA)

The ISD Analyst (IA) conducts the ISD analysis for an assigned weapon system based upon skill specialty. The IA has three sub-categories: Subsystem Lead Analyst, Task Lead Analyst, and ISD Analyst.

The Subsystem Lead Analyst develops the subsystem task for all other analysts, using LSAR data if available. The Subsystem Lead Analyst also designates a lead analyst for each task.

The Task Lead Analyst develops a detailed list of task elements for those tasks identified as needing training.

ISD Analysts choose subsystems, tasks, and task elements for their skill specialty from lists previously prepared by the Program Manager, Subsystem Lead, and/or Task Lead.

1.2.4 Quality Assurance Reviewer (QAR)

The Quality Assurance Reviewer (QAR) reviews the analyst's work to ensure that all analysis decisions are well supported and consistent. The QAR is presented with the LSAR data, if available, while reviewing the analysts' reasons and rationale for making certain ISD decisions.

1.2.5 Reference File Maintainer (RFM)

The Reference File Maintainer (RFM) is responsible for the development and maintenance of generic duty lists for skill specialties and target population information files. The RFM's responsibilities require the gathering and re-formatting of large amounts of non-automated reference information; therefore the RFM's responsibilities will remain manual.

2.0 ENVIRONMENT AND OPERATION

This section describes the environment and operation for Version 2.0 of the software.

2.1 PHYSICAL ENVIRONMENT

TRANSFORM will function using fully IBM-compatible PCs. Each PC is required to have the following minimum specifications:

- 80286 microprocessor (8088 runs slower)
- 640Kb RAM
- EGA or CGA Color monitor with graphics 256k memory board
- MS-DOS 3.0 or higher
- Hard disk (Storage dependent upon analysis)
- 5-1/4" floppy disk drive

If using a printer, the printer has to be an IBM compatible Dot Matrix printer (80 column). The printer must have graphic capability.

A VAX is not a mandatory hardware requirement of TRANSFORM. Prior to using TRANSFORM the LSAR data has to be pre-processed in order to extract necessary training elements. Current LSAR data extraction and change routines have been written and these routines need to be executed on a VAX. However, as long as the required training LSAR data are put into the required ASCII data file formats defined by the software's downloading procedure, a VAX is not necessary.

2.2 OPERATION

TRANSFORM is a menu driven system which leads you to different ISD functions depending upon your selection. Inaccessible items appear in gray on the menu, and you cursor will not land on them. The following keys are reserved keys and perform the function specified:

<Backspace>	Deletes the character before the cursor.
<Del>	Deletes the character the cursor is on.
<End>	Moves the cursor to the bottom of a list when in a report. Moves the cursor to the end of a line when in the edit mode.
<Enter>	Marks or selects an item on a menu.
<Esc>	Returns you to the menu banner when you are in a function mode; e.g, Modify, Add, etc. Returns you to the previous screen when your cursor is in the menu banner.
<F1>	Displays Help screens.
<F2>	Displays view only LSAR information.
<F3>	Displays view only information other than LSAR.
<F4>	Allows you to document a rationale for your ISD decisions.
<F5>	Allows you to highlight text from one database and copy it to your ISD database.
<Home>	Moves the cursor to the top of a list. Moves the cursor to the beginning of the line when in the edit mode.
<PgUp>	Moves the cursor up one page.
<PgDn>	Moves the cursor down one page.
<Tab>	Moves the cursor from field to field.
↑↓ arrows	Moves the cursor one line up or down.
→ ← arrows	Moves the cursor one character left or right.

Following is a list of commands found in the menu banners, with a brief description of their generic use.

Add	Allows you to go to another list, e.g., LSAR, and add an item(s) to your ISD list.
Analyze	Allows you to analyze specific task elements or skills/knowledges for training.
Assign	Allows you to assign users as program managers, subsystem lead, or task lead analysts.
Choose	Allows you to choose media, method, or instructional setting from a list rather than going through the system logic.
Copy	Allows you to copy text from one database to your ISD database.
Delete	Allows you to delete information from your ISD database. No information will be deleted from the LSAR database.
Erase	Allows you to erase previously arrived at analysis results.
Insert	Allows you to insert a piece of information into the ISD database.
Mark	Allows you to mark items on one list to create your own subset of the list.
Modify	Allows you to modify information fields.
Resequence	Allows you to resequence information in a list.
Save	Allows you to save all work. It is strongly recommended that you save often during a session to ensure that you do not lose your work.
Quit	Allows you to return to your main user access menu, e.g., Database Administrator Menu, Program Manager Menu, etc.

All menu banner commands can be selected and executed by pressing the first letter of each option, e.g., <A> = Add, <D> = Delete, etc.

2.3 GETTING STARTED

To Start:

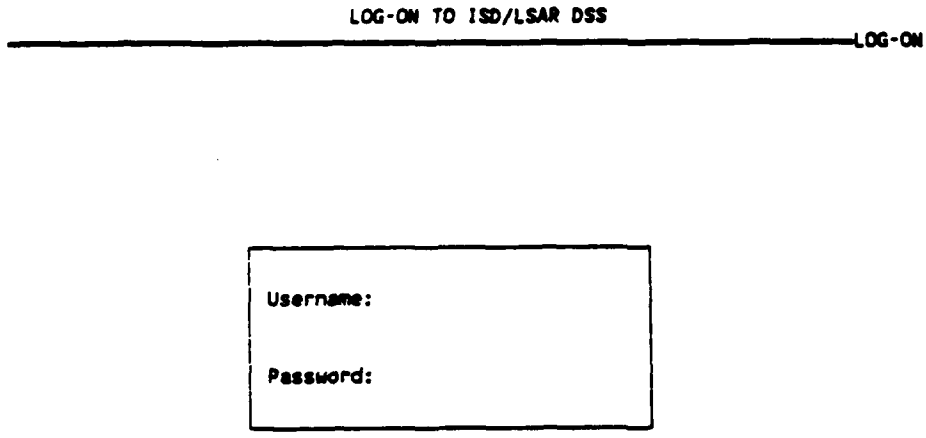
- Type ISD at the DOS C:\> prompt.

The first screen you see is the title screen, which provides the full title, and the current version and date.

- Press <F1> for more information.
- Press <Enter> to continue.

To Log-on:

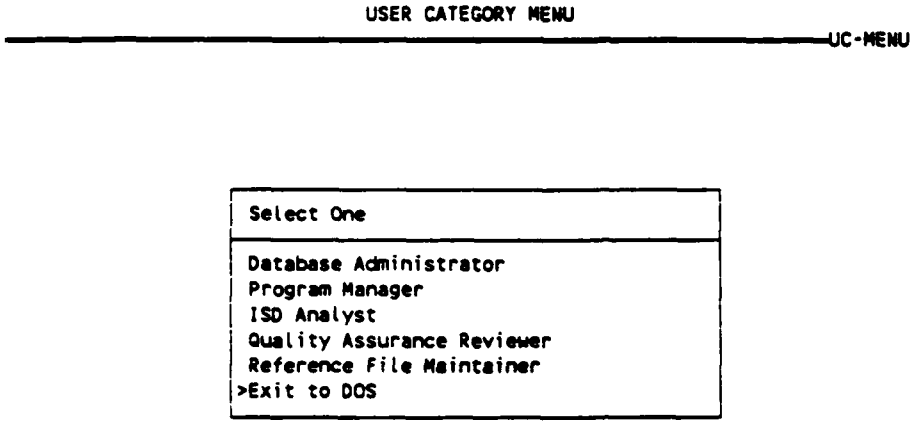
You must obtain your username and password from your Database Administrator. You can type in either uppercase or lowercase letters, but only uppercase letters appear on the screen. Your password does not appear on the screen.



- Type in your Username and press <Enter>.
- Type in your Password and press <Enter>.

To Select User Category:

After you Log-on, the User Category Menu appears, which lists the access levels available in the TRANSFORM. You can select only those user categories for which you have access. Accessible items appear in white on the menu.



To Exit:

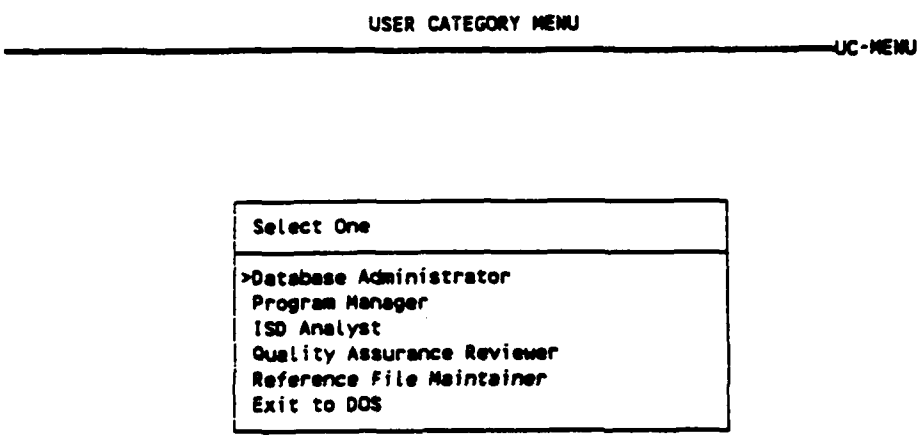
- Select **Exit to DOS** and press **<Enter>**.

SECTION 3.0

DATABASE ADMINISTRATOR FUNCTIONS

The Database Administrator (DA) prepares TRANSFORM for use when initiating an ISD analysis for a weapon system, downloads the LSAR data, grants user access, and maintains ISD analysis data files for all past and present ISD analyses.

To Access the DA Area:



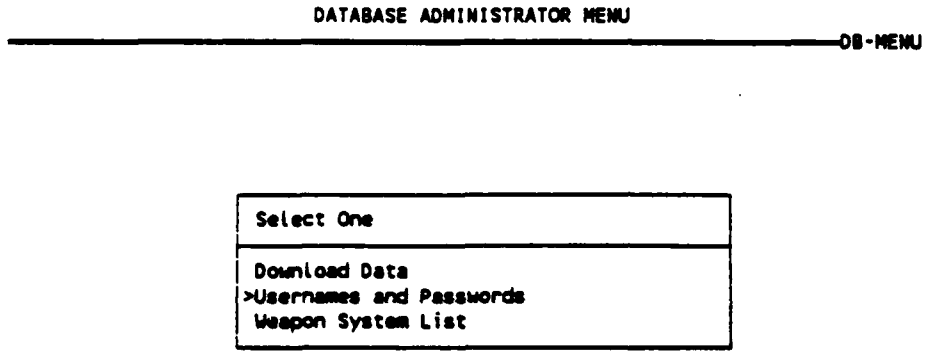
- Select **Database Administrator** and press **<Enter>**.

3.1 DOWNLOAD DATA

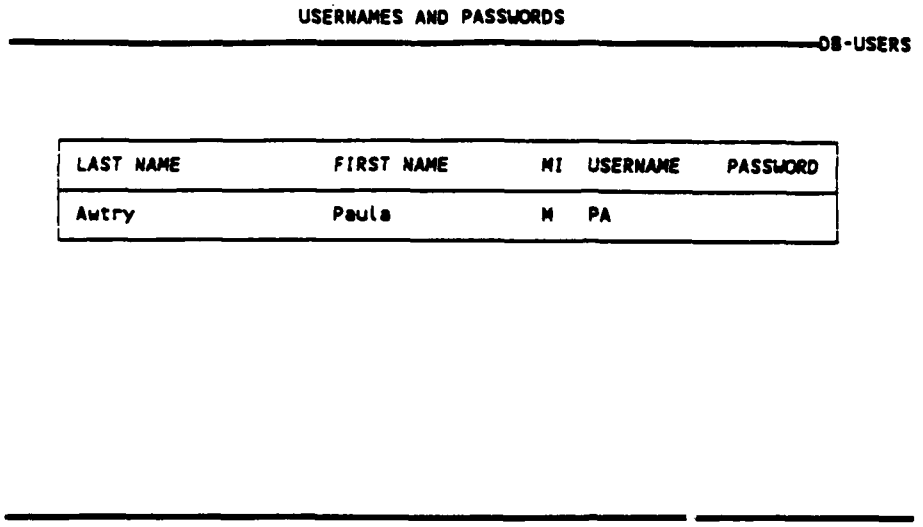
The Database Administrator is responsible for downloading the LSAR data into the TRANSFORM.

3.2 USERNAMES AND PASSWORDS

As DA, you are responsible for maintaining the usernames and passwords of all TRANSFORM users. You must supply the user's last name, first name, and middle initial, and assign a username and password. The last name can be up to 20 characters; the first name can be up to 16 characters. The username and password can be up to 8 characters each.



- Select **Usernames and Passwords** and press **<Enter>**.



To Modify User Information:

- Select **Modify** from the menu banner and press **<Enter>**.
- Cursor to the user information you want to modify and press **<Enter>**. The default mode is overstrike. You can change to the insert mode by pressing the **<Ins>** key. Press **<Tab>** to move from field to field. The username is a key field; therefore you cannot modify it. Press **<Esc>** after you have finished modifying the user information you have selected.
- Press **<Esc>** to return to the menu banner.

To Insert User Information:

- Select **Insert** from the menu banner and press **<Enter>**.
- Press **<Enter>**.
- Use **<Tab>** to move from field to field. Type in the user's last name, first name, middle initial, username, and password. The list of users will automatically alphabetize for you.
- Press **<Esc>** to return to the menu banner.

To Delete User Information:

- Select **Delete** from the menu banner and press **<Enter>**.
- Cursor to the user information you want to delete and press **<Enter>**. You can delete as many users as you desire. The user information will turn gray, but will not be removed from the list until you select **Save** from the menu banner.
- Press **<Esc>** to return to the menu banner.

To Save Work:

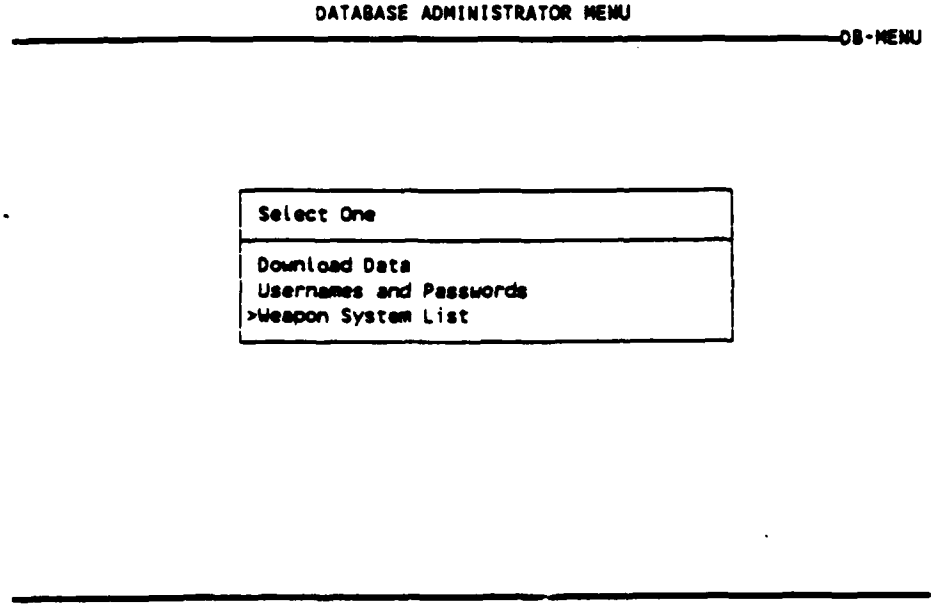
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Database Administrator Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

3.3 WEAPON SYSTEM LIST

As DA, you are responsible for assigning a Program Manager to each weapon system.



- Select **Weapon System List** and press **<Enter>**.

ASSIGN PROGRAM MANAGERS

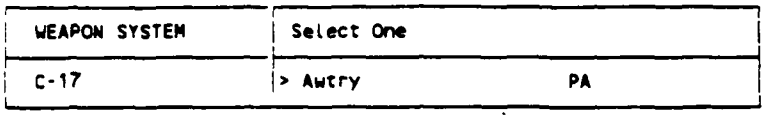
08-PM

WEAPON SYSTEM	PROGRAM MANAGER
C-17	Awtry

Assign Save Quit
Assign or change a program manager for a selected weapon system

To Assign Program Managers:

- Select **Assign** from the menu banner and press **<Enter>**.
- Cursor to the weapon system you want and press **<Enter>**.



WEAPON SYSTEM	Select One
C-17	> Awtry PA

Assign or change a program manager for a selected weapon system

- A list of current system users will appear. Cursor to the user you want to be Program Manager for the designated weapon system and press **<Enter>**.
- Press **<Esc>** to return to the menu banner.

To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Database Administrator Menu:

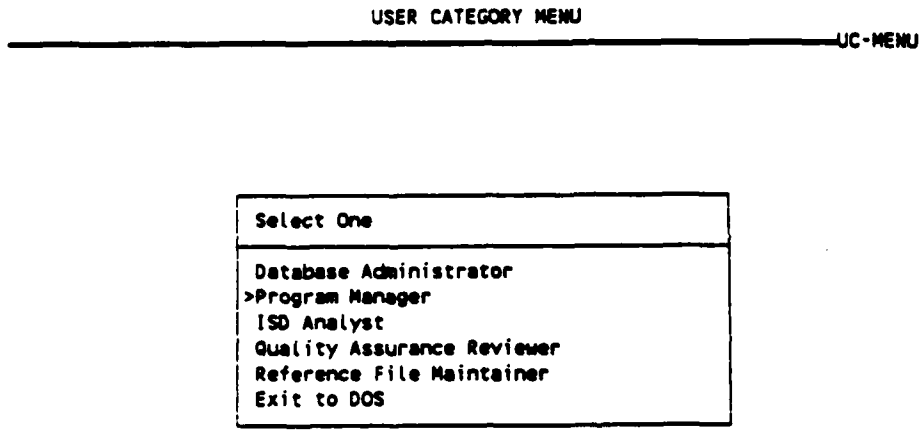
- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

SECTION 4.0

PROGRAM MANAGER FUNCTIONS

The Program Manager (PM) prepares a subsystem list using LSAR data, if available, for the assigned weapon systems. The PM then assigns a Subsystem Lead Analyst to each subsystem. The PM also assigns responsibility to individual analysts for each skill specialty related to the weapon system under analysis. The PM can tailor the TRANSFORM for a specific ISD analysis by describing training system constraints, selecting the task selection, and selecting the media selection model to be used.

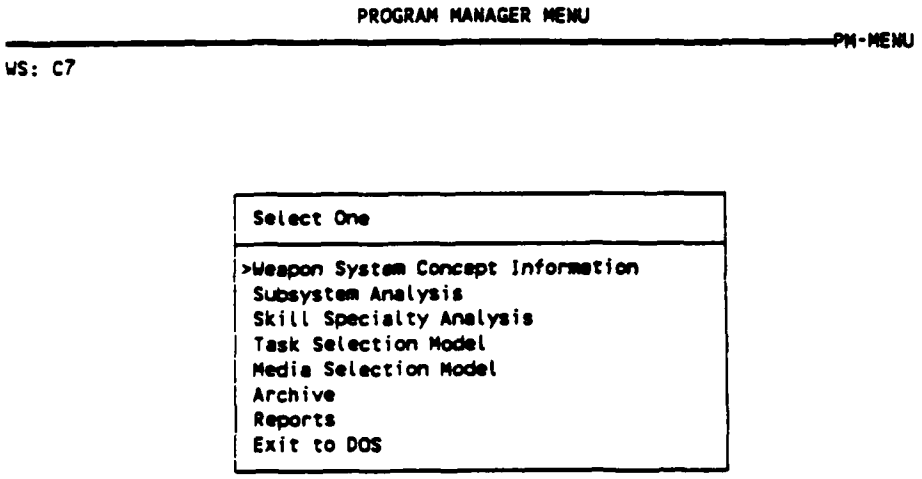
To Access the PM Area:



- Select **Program Manager** and press **<Enter>**.

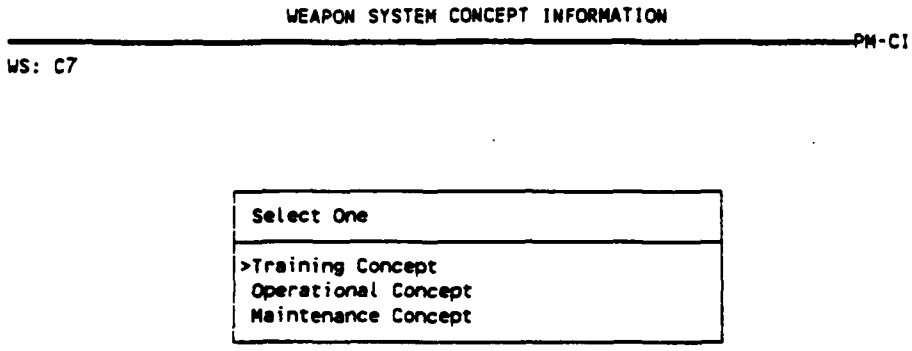
4.1 WEAPON SYSTEM CONCEPT INFORMATION

The weapon system concept information area allows you to describe a weapon system's training, operational, and maintenance concept.



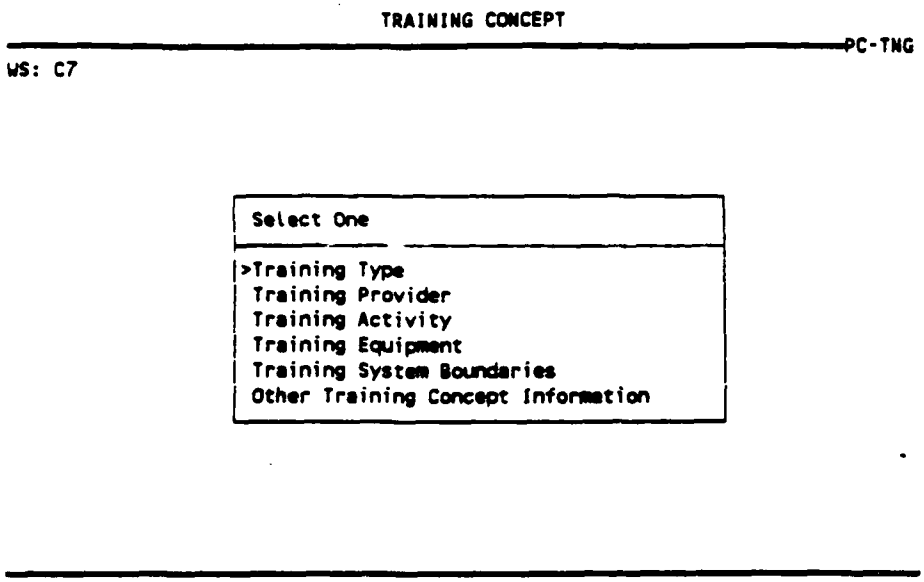
- Select **Weapon System Concept Information** and press **<Enter>**.

4.1.1 Training Concept Information

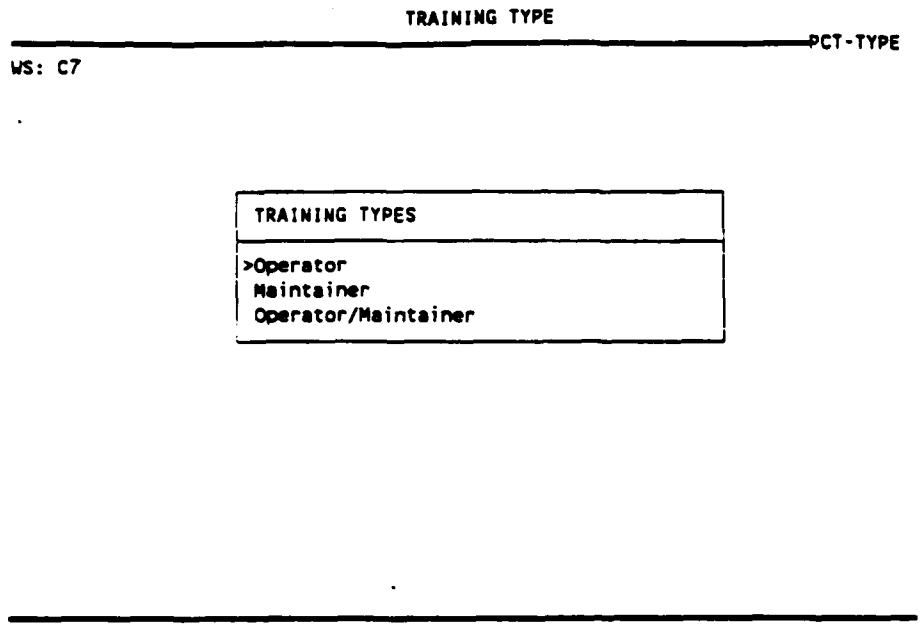


- Select **Training Concept** and press **<Enter>**.

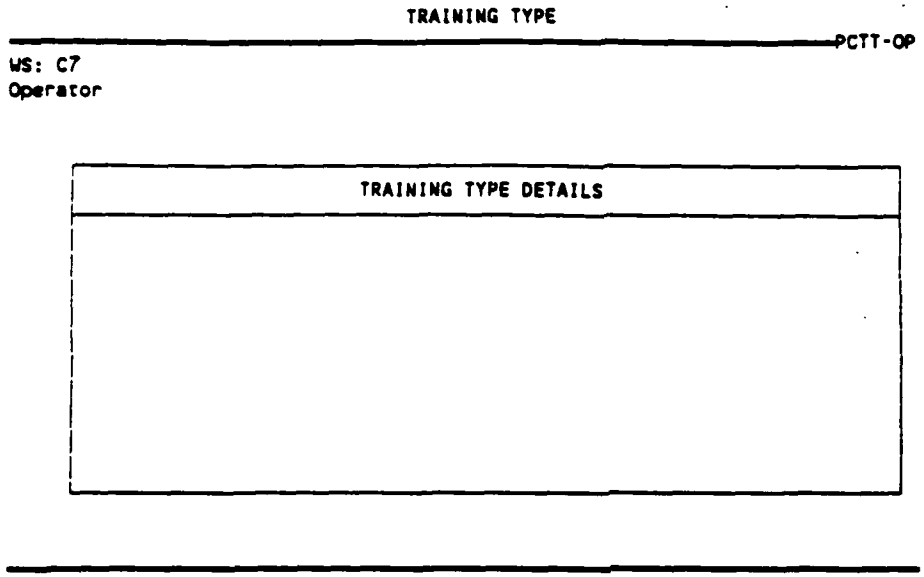
The training concept is a detailed explanation of the operator, maintenance, team/proficiency, and officer training programs applicable to military, civilian, and foreign personnel under the categories of both initial and follow-on training.



- Select **Training Type** and press **<Enter>**.



- Cursor to the training type you want and press **<Enter>**.



To Insert Training Type Information:

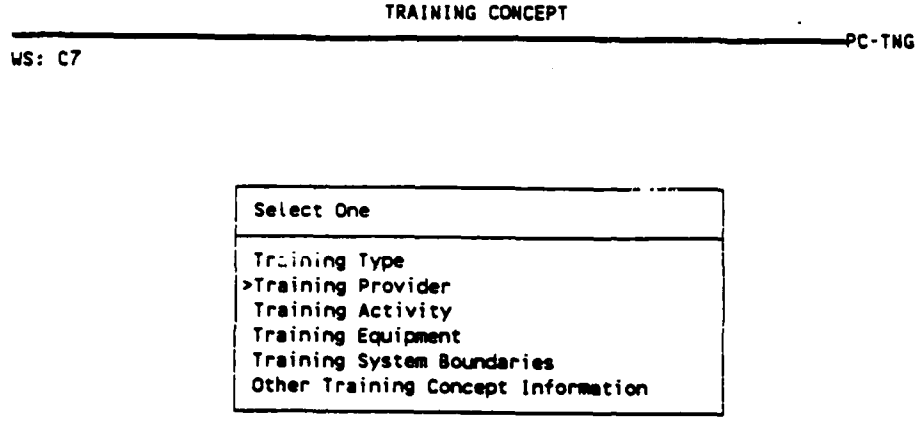
- Select **Insert** from the menu banner and press **<Enter>**.
- Enter a text narrative description about the training type you selected. You can insert a narrative description for each of the training types.

To Save Work:

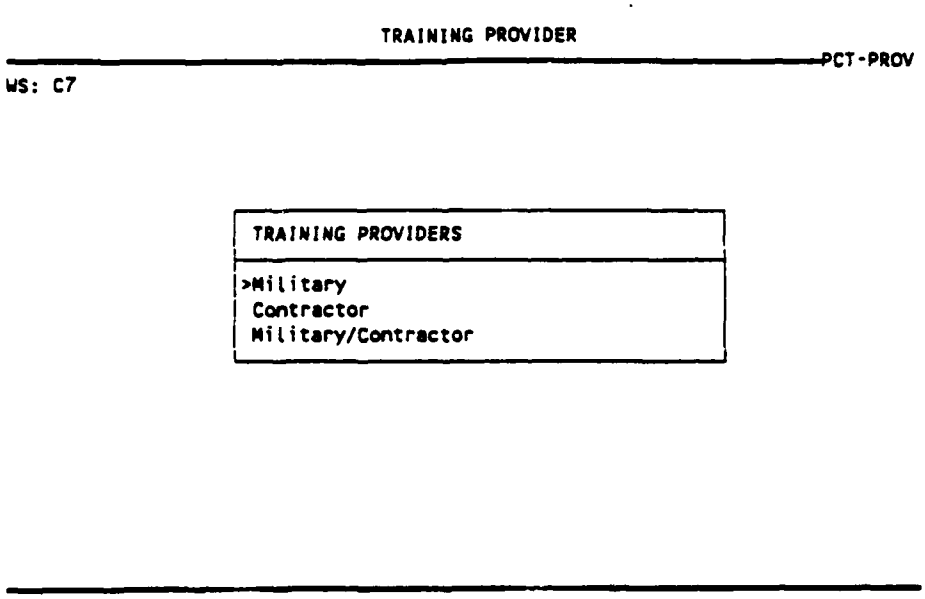
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

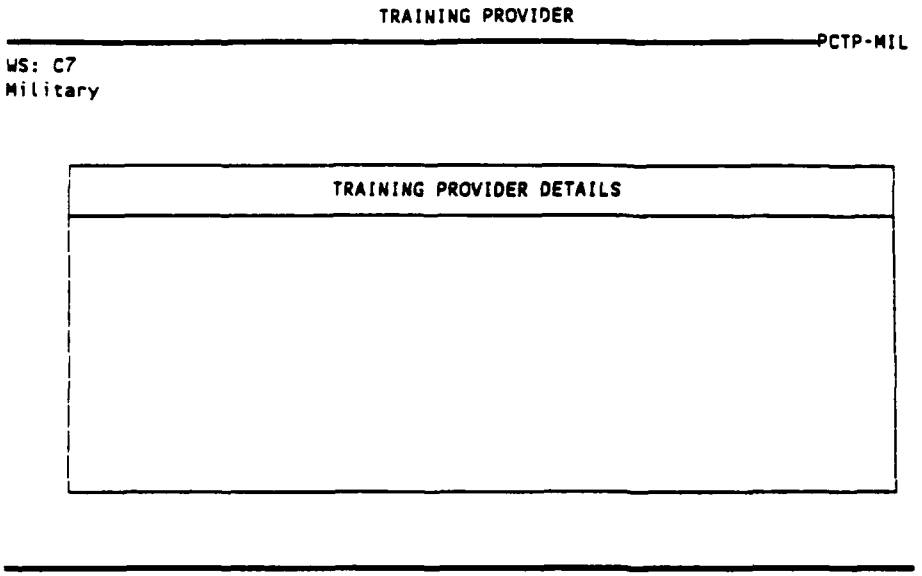
- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.



- Select **Training Provider** and press **<Enter>**.



- Cursor to the training provider you want and press **<Enter>**.



To Insert Training Provider Information:

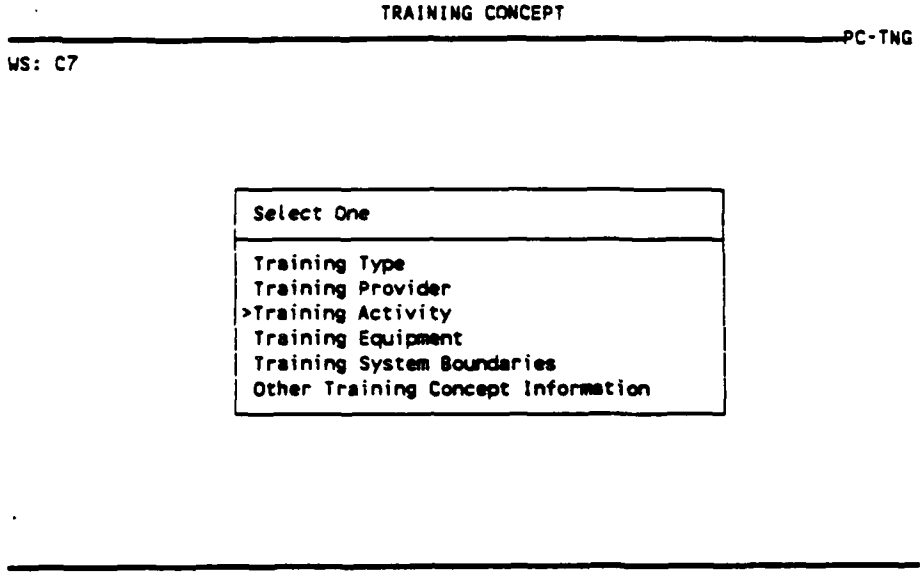
- Select **Insert** from the menu banner and press **<Enter>**.
- Enter a text narrative description about the training provider you selected. You can insert a narrative description for each of the training providers.

To Save Work:

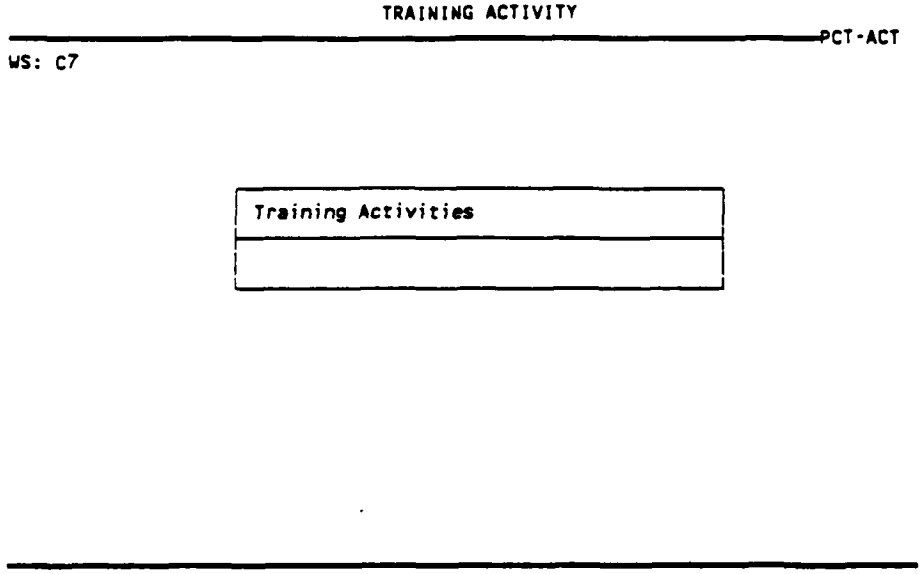
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.



- Select **Training Activity** and press **<Enter>**.



To Insert Training Activity Information:

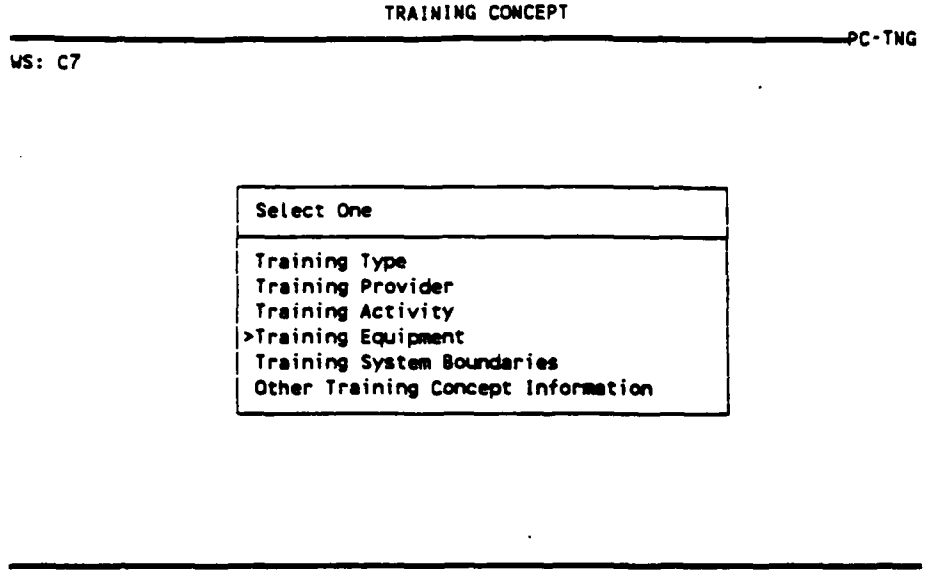
- Select **Insert** from the menu banner and press **<Enter>**.
- Enter a training activity name, location, point-of-contact, and responsibility. You can have up to four training activities.

To Save Work:

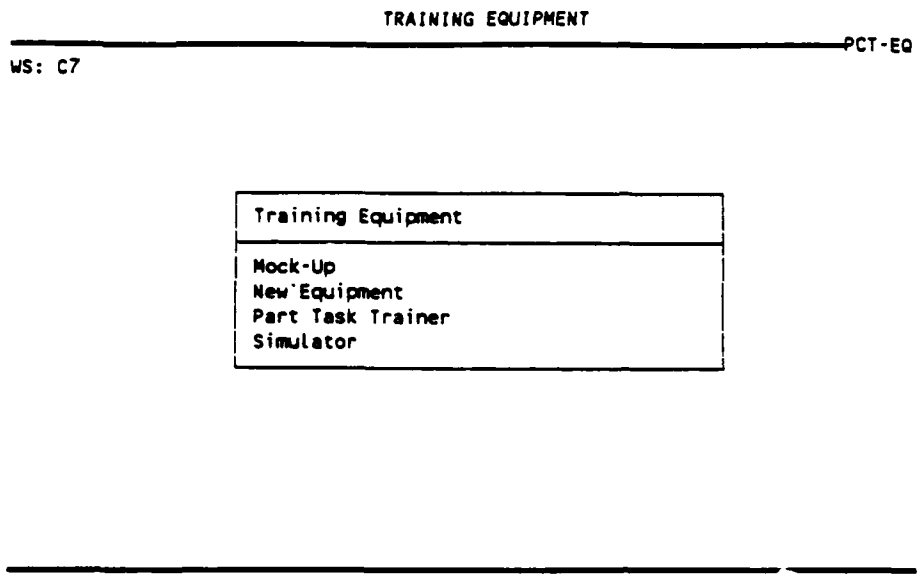
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.



- Select **Training Equipment** and press **<Enter>**.



To Insert Training Equipment:

- Select **Insert** from the menu banner and press **<Enter>**.
- Enter a list of equipment and a text narrative description of the equipment that is expected to support the training requirements of a weapon system. This initial list of equipment is created from the LSAR database, if it exists.

To Modify Training Equipment:

- Select **Modify** from the menu banner and press **<Enter>**.
- Cursor to the training equipment you want to modify and press **<Enter>**. The default mode is overstrike. You can change to the insert mode by pressing the **<Ins>** key. Press **<Tab>** tc move from field to field. Press **<Esc>** after you have finished modifying the training equipment you have selected.
- Press **<Esc>** to return to the menu banner.

To Delete Training Equipment:

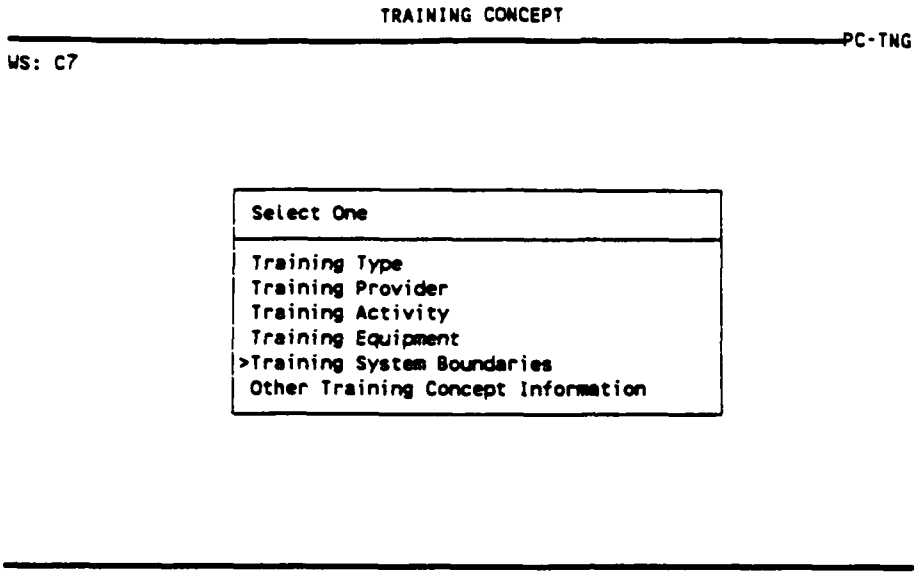
- Select **Delete** from the menu banner and press **<Enter>**.
- Cursor to the training equipment you want to delete and press **<Enter>**. You can delete as many pieces of equipment as you desire. The equipment will turn gray, but will not be removed from the list until you select **Save** from the menu banner.
- Press **<Esc>** to return to the menu banner.

To Save Work:

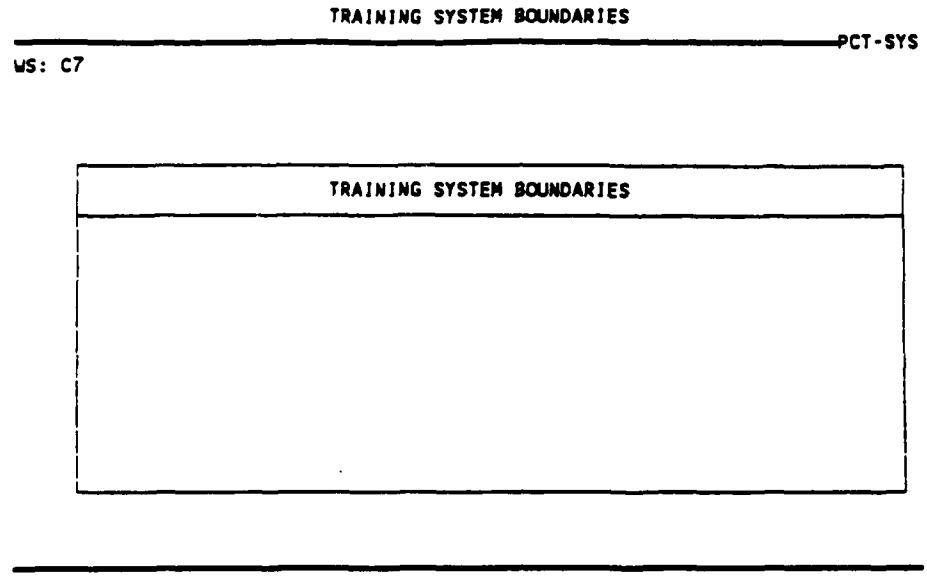
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.



- Select **Training Systems Boundaries** and press **<Enter>**.



To Insert Training System Boundary Information:

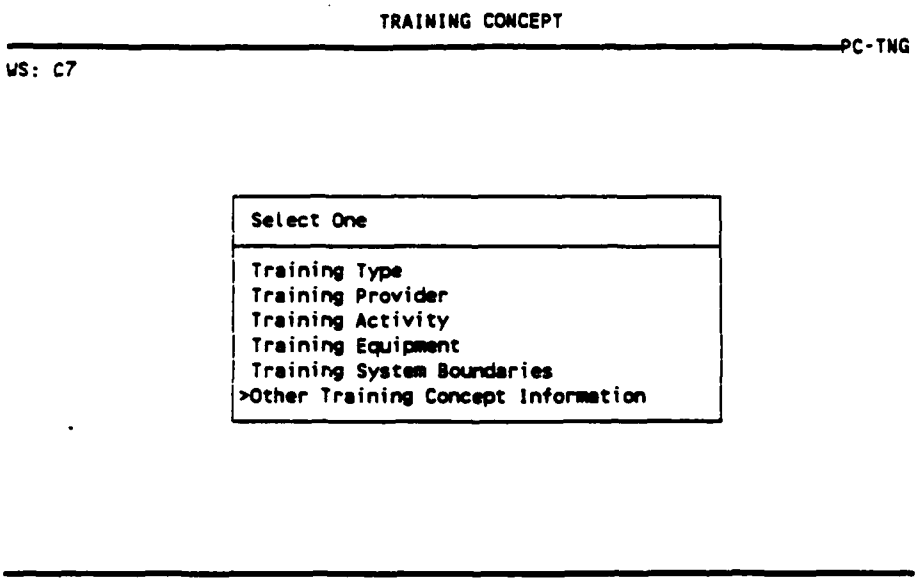
- Select **Insert** from the menu banner and press **<Enter>**.
- Enter a text narrative description of the conditions, constraints, specifications, criteria, and general training system requirements of the weapon system.

To Save Work:

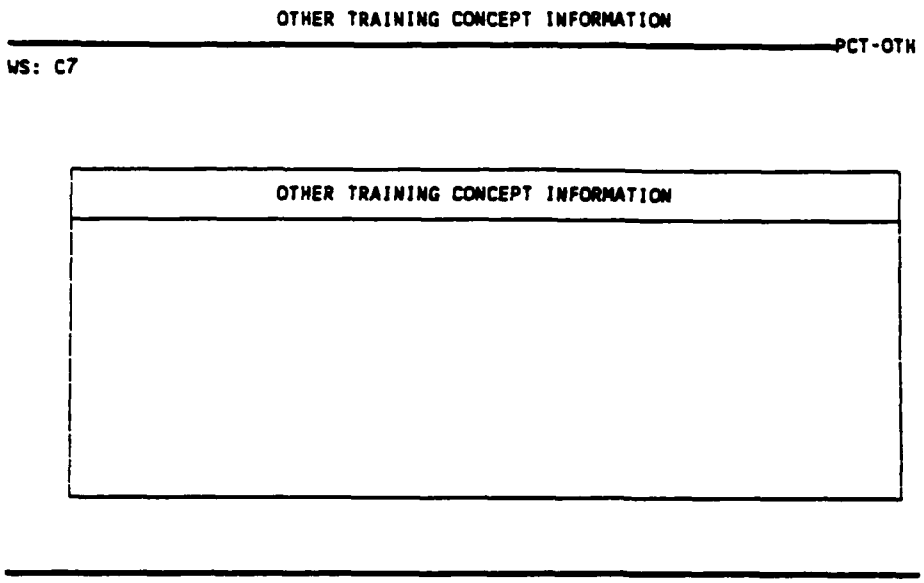
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.



- Select **Other Training Concept Information** and press **<Enter>**.



To Insert Other Training Concept Information:

- Select **Insert** from the menu banner and press **<Enter>**.
- Enter any other weapon system training concept information not captured in training system boundaries.

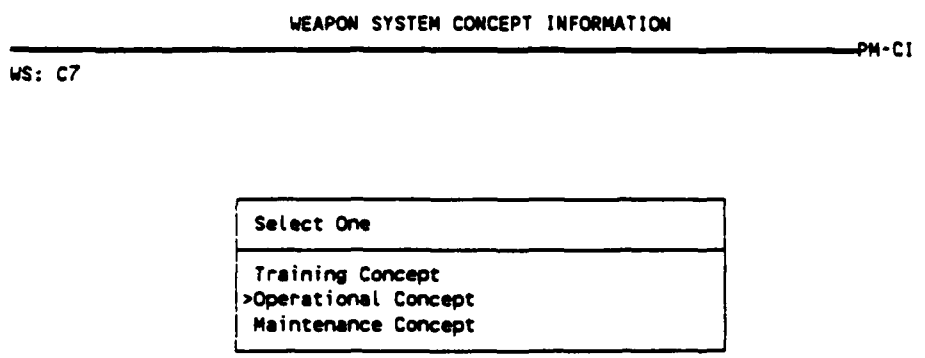
To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

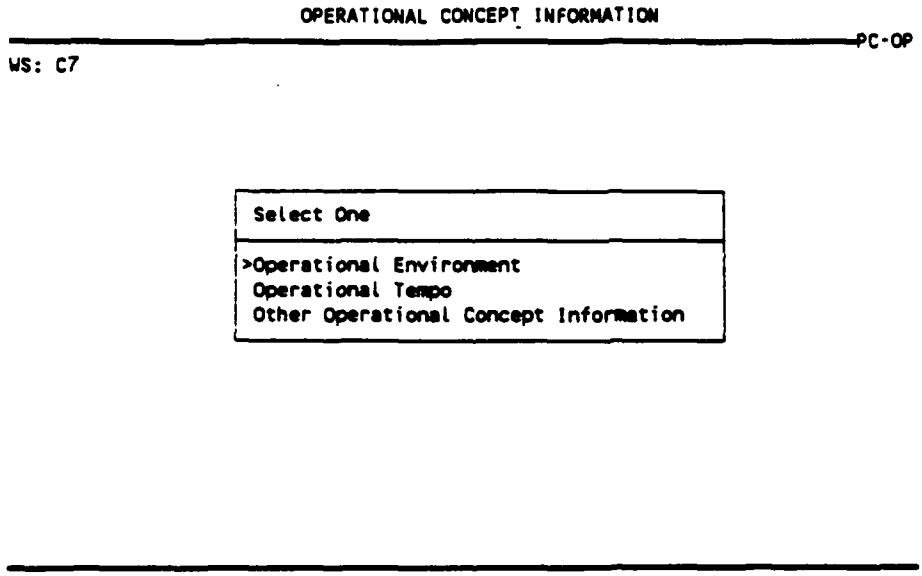
- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

4.1.2 Operational Concept Information

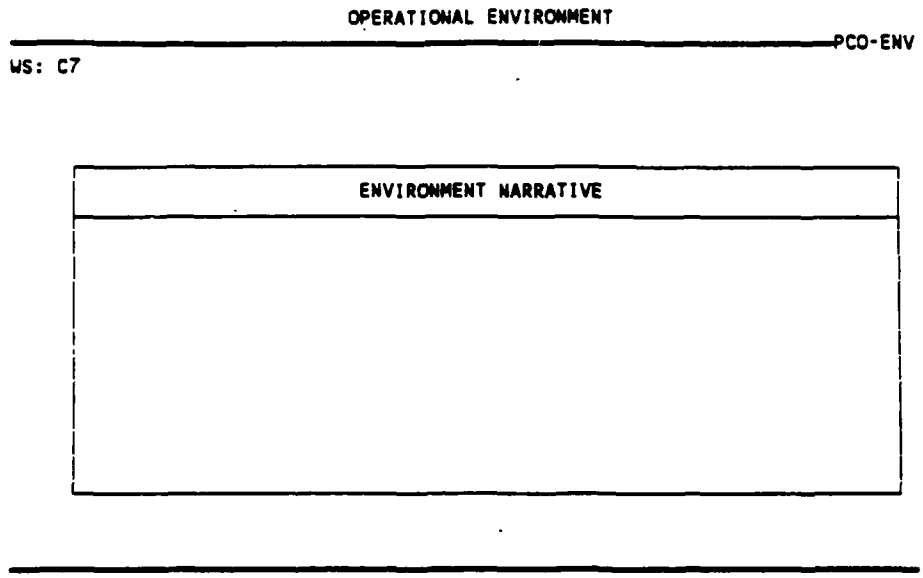


- Select **Operational Concept** and press **<Enter>**.

The operational concept is a detailed explanation of a weapon system's operational surroundings and system usage requirements during peacetime and wartime operating scenarios.



- Select **Operational Environment** and press **<Enter>**.



To Insert Operational Environment Information:

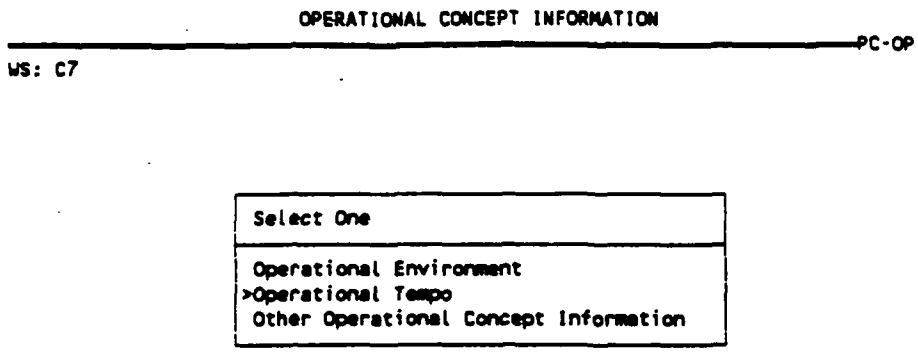
- Select **Insert** from the menu banner and press **<Enter>**.
- Enter a text narrative description that describes the weapon system's operational surroundings, e.g., climate, terrain, temperature range, weather, etc.

To Save Work:

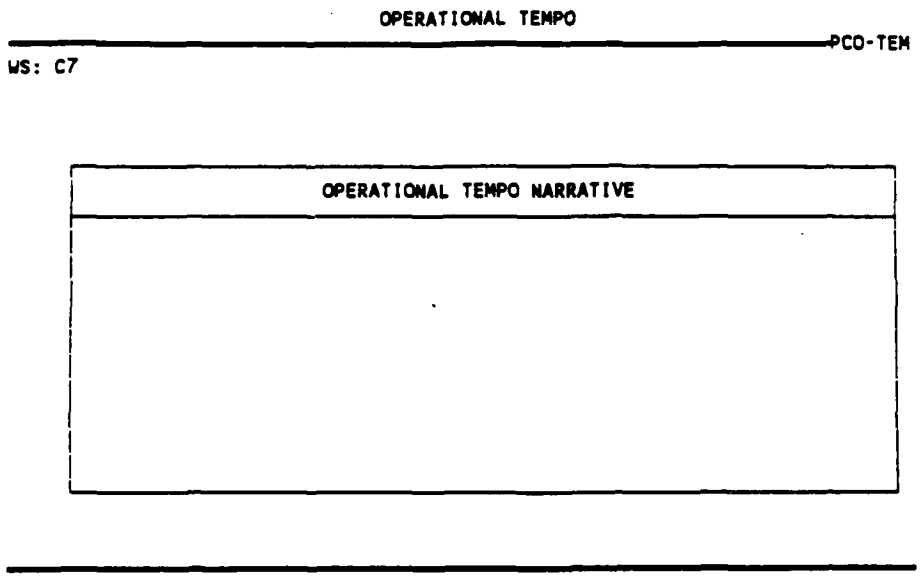
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.



- Select **Operational Tempo** and press **<Enter>**.



To Insert Operational Tempo Information:

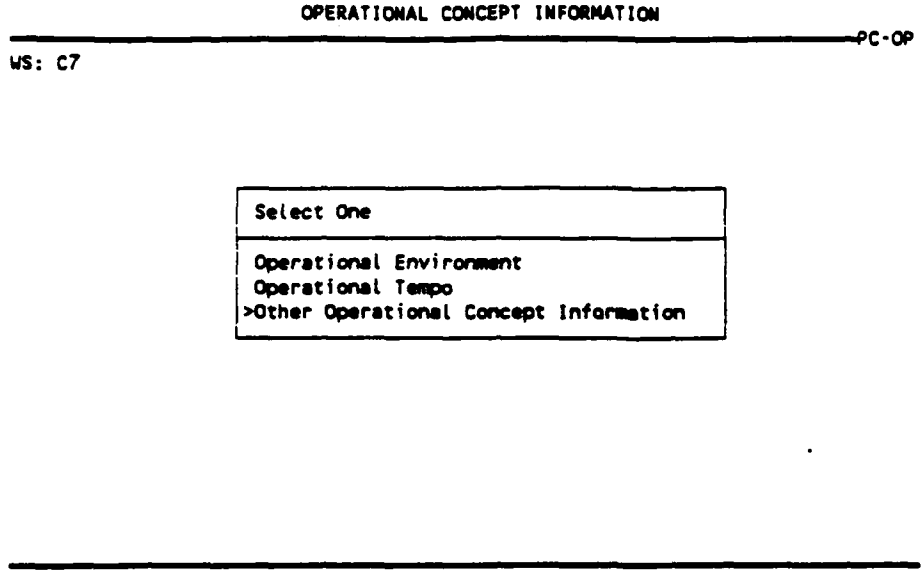
- Select **Insert** from the menu banner and press **<Enter>**.
- Enter a text narrative description of the usage requirements of a weapon system during peacetime and wartime operating scenarios.

To Save Work:

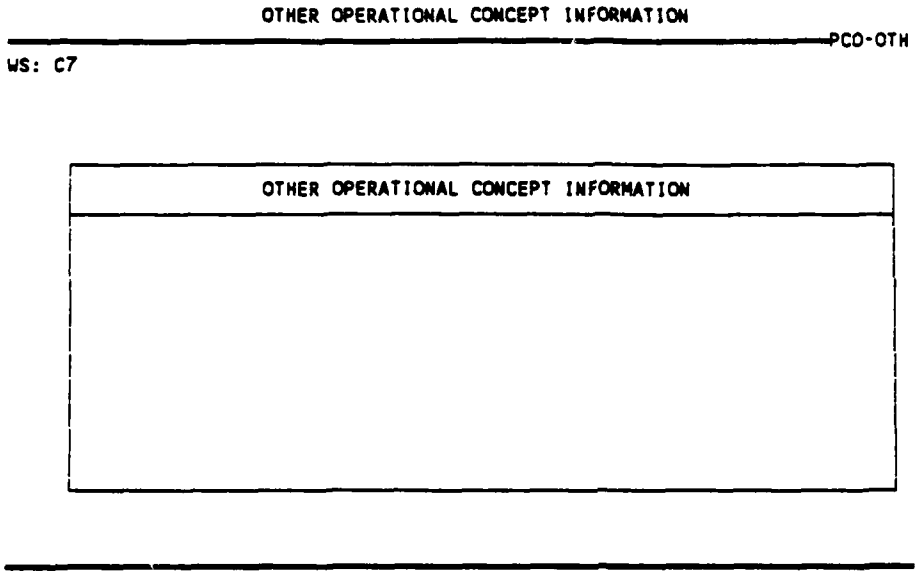
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.



- Select **Other Operational Concept Information** and press **<Enter>**.



To Insert Other Operational Concept Information:

- Select **Insert** from the menu banner and press **<Enter>**.
- Enter any other weapon system's operational concept information not captured in the operational environment or tempo.

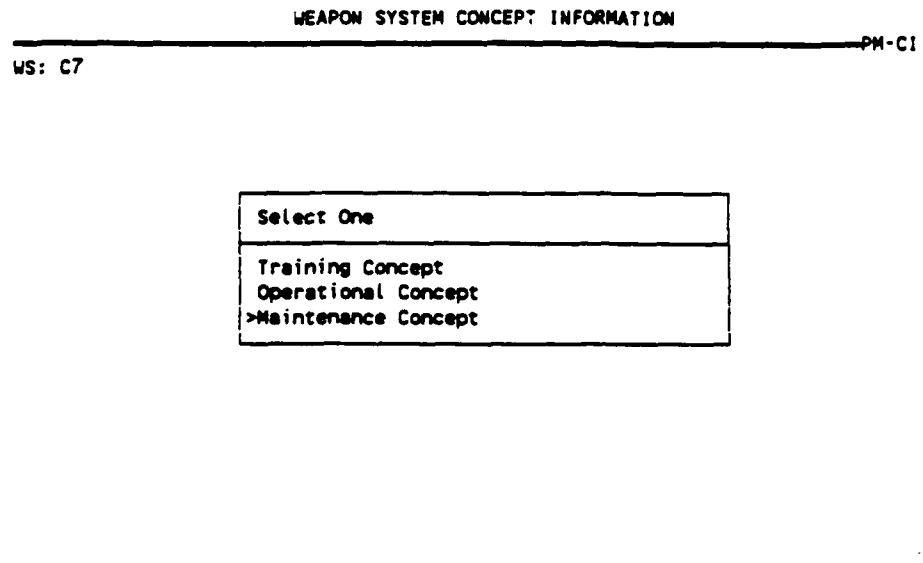
To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

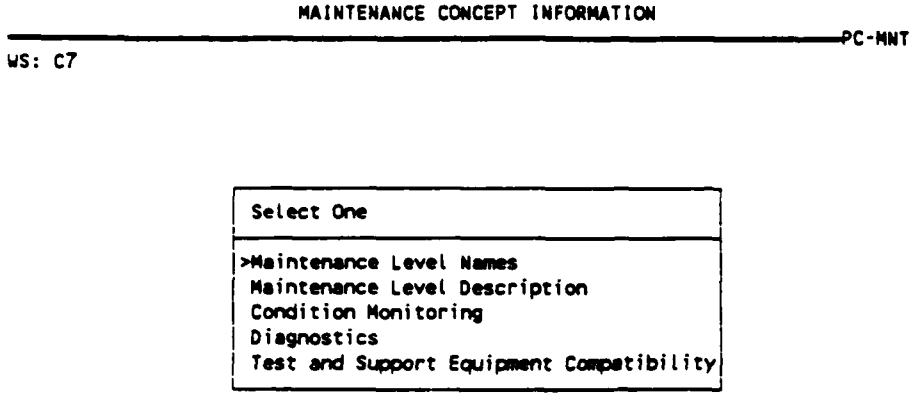
- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

4.1.3 Maintenance Concept Information

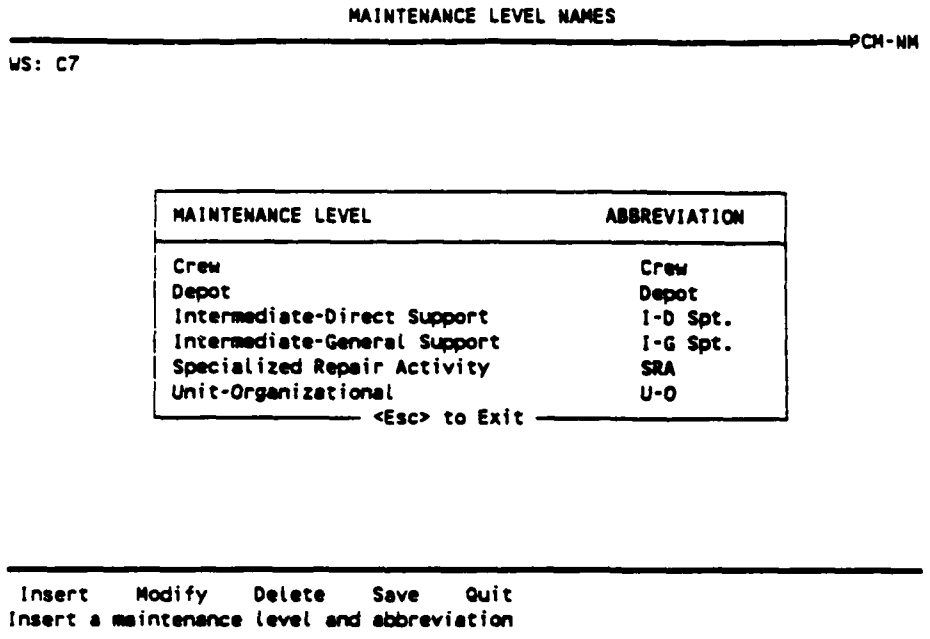


- Select **Maintenance Concept** and press **<Enter>**.

The maintenance concept is a detailed explanation of a weapon system's methods employed to sustain the system or equipment at a defined level of readiness or in a specific condition in support of an operational requirement.



- Select **Maintenance Level Names** and press **<Enter>**. The maintenance level dictates the echelon of maintenance or support of a weapon system. This list is initially created using the maintenance levels listed in MIL-STD-1388-2A.



To Insert Maintenance Level Names and Abbreviations:

- Select **Insert** from the menu banner and press **<Enter>**.
- Enter a maintenance level name and abbreviation. You can have up to 10 maintenance levels.

To Modify Maintenance Level Names and Abbreviations:

- Select **Modify** from the menu banner and press **<Enter>**.
- Cursor to the maintenance level information you want to modify and press **<Enter>**. The default mode is overstrike. You can change to insert mode by pressing the **<Ins>** key. Press **<Tab>** to move from field to field. Press **<Esc>** after you have finished modifying the maintenance level you have selected.
- Press **<Esc>** to return to the menu banner.

To Delete Maintenance Level Names:

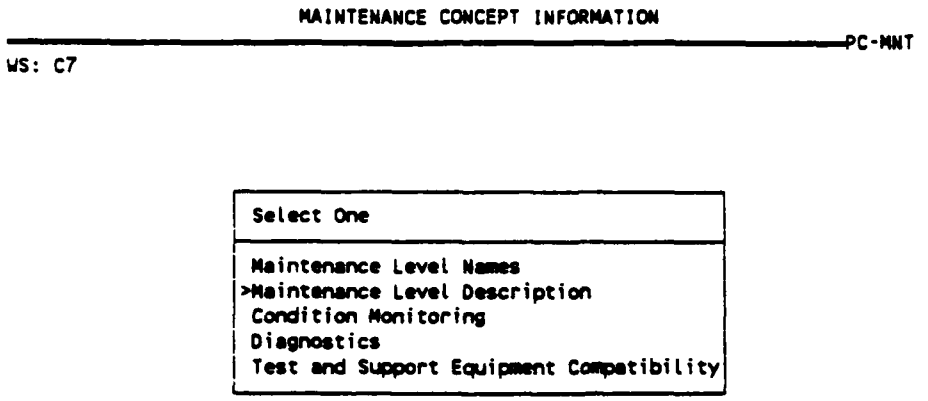
- Select **Delete** from the menu banner and press **<Enter>**.
- Cursor to the maintenance level information you want to delete and press **<Enter>**. You can delete as many maintenance levels as you desire. The maintenance level information will turn gray, but will not be removed from the list until you select **Save** from the menu banner.
- Press **<Esc>** to return to the menu banner.

To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

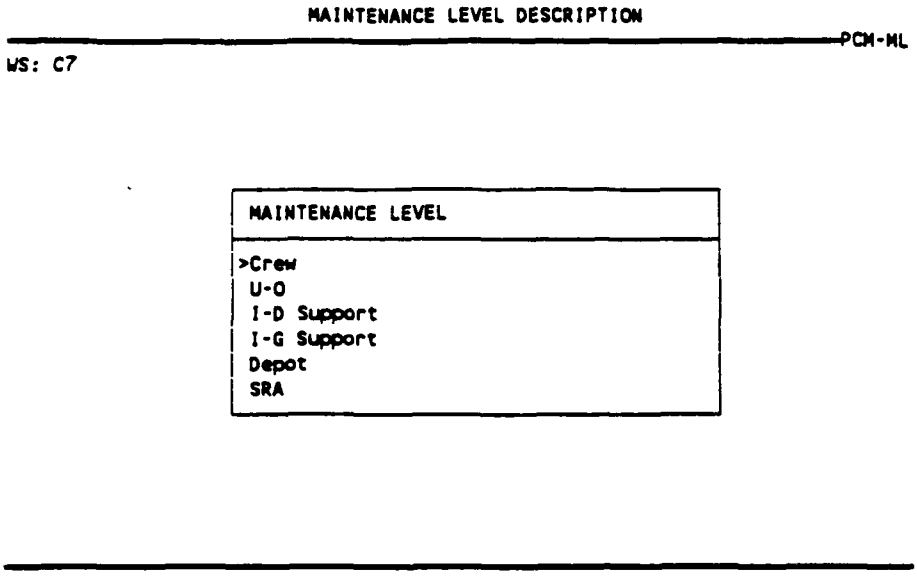
To Return to Program Manager Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

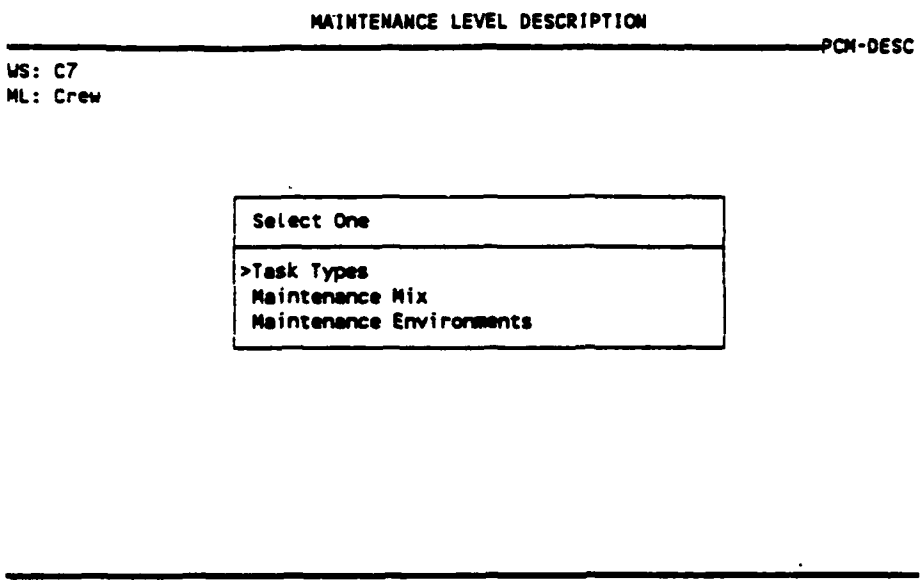


- Select **Maintenance Level Description** and press **<Enter>**.

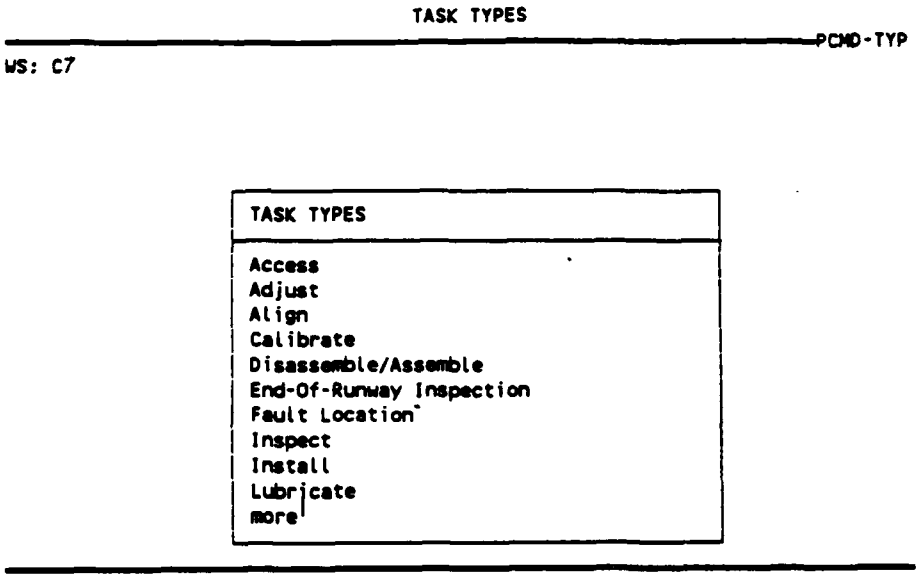
Task Types, Maintenance Mixes, and Maintenance Environments are all maintenance level specific. You must enter information for all maintenance levels you have previously identified.



- Cursor to the maintenance level you want and press **<Enter>**.



- Select **Task Types** and press **<Enter>**.



To Insert Task Types:

- Select **Insert** from the menu banner and press **<Enter>**.
- Enter a task type and task type description. The list of task types is automatically created for you. You can have a maximum of 40 task types for each maintenance level.

To Modify Task Types:

- Select **Modify** from the menu banner and press **<Enter>**.
- Cursor to the task type you want to modify and press **<Enter>**. The default mode is overstrike. You can change to insert mode by pressing the **<Ins>** key. Press **<Tab>** to move from field to field. Press **<Esc>** after you have finished modifying the task type you have selected.
- Press **<Esc>** to return to the menu banner.

To Delete Task Types:

- Select **Delete** from the menu banner and press **<Enter>**.
- Cursor to the task type you want to delete and press **<Enter>**. You can delete as many task types as you desire. The task type information will turn gray, but will not be removed from the list until you select **Save** from the menu banner.
- Press **<Esc>** to return to the menu banner.

To Add Task Types from a Master File:

This option becomes available as soon as you delete task types from the original list that was created from MIL-STD-1388-2A.

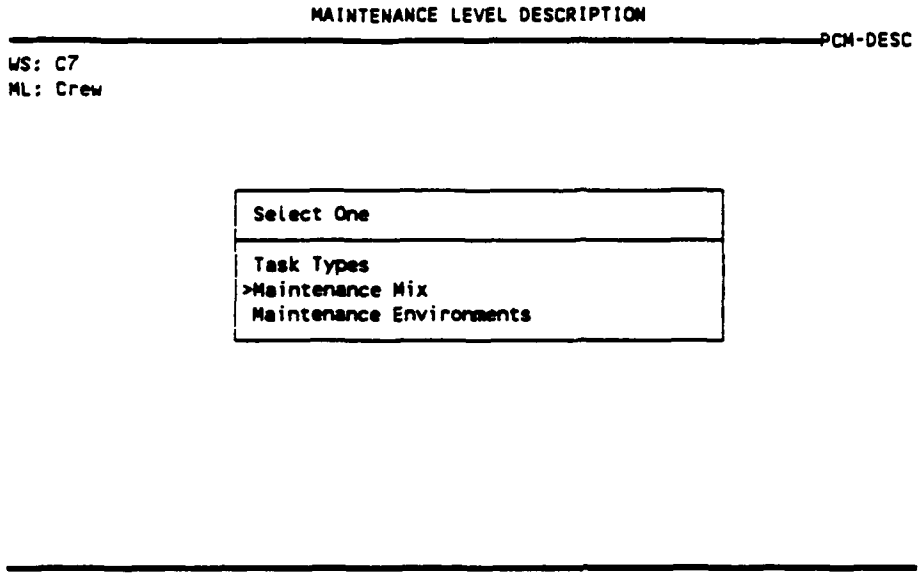
- Select **Add** from the menu banner and press **<Enter>**.
- Available task types will appear. Cursor to the task type you want to add to your list and press **<Enter>**. You can select as many task types as you desire.

To Save Work:

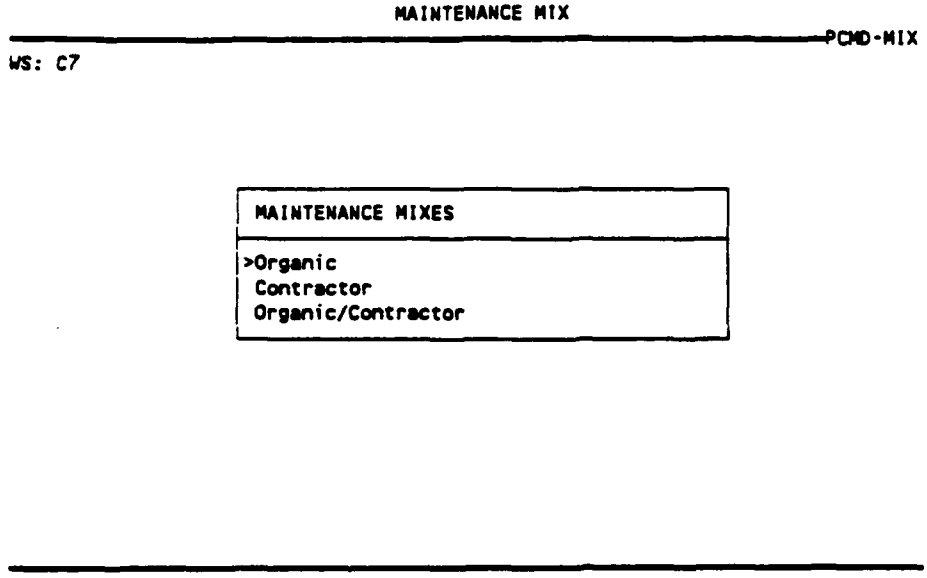
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

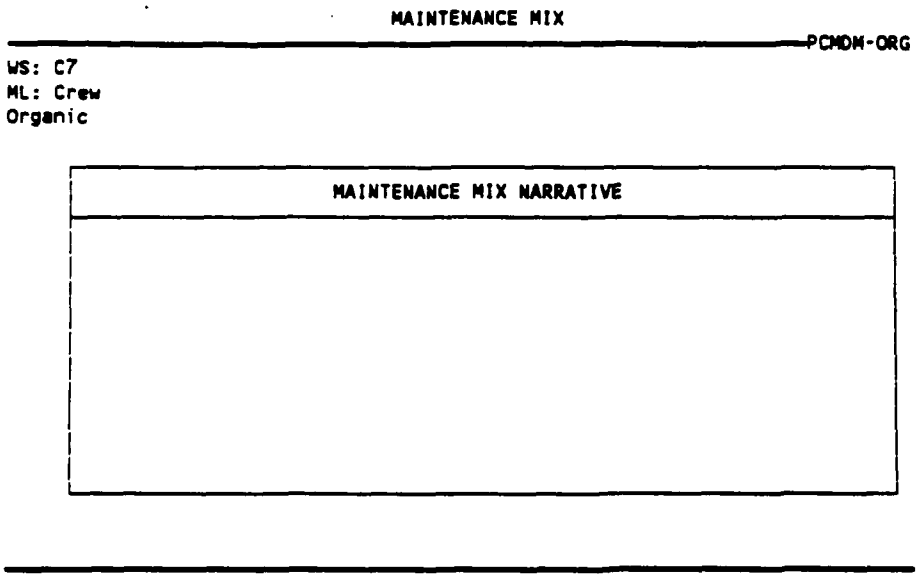
- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.



- Select **Maintenance Mix** and press **<Enter>**.



- Cursor to the maintenance mix you want and press <Enter>.



To Insert Maintenance Mix Information:

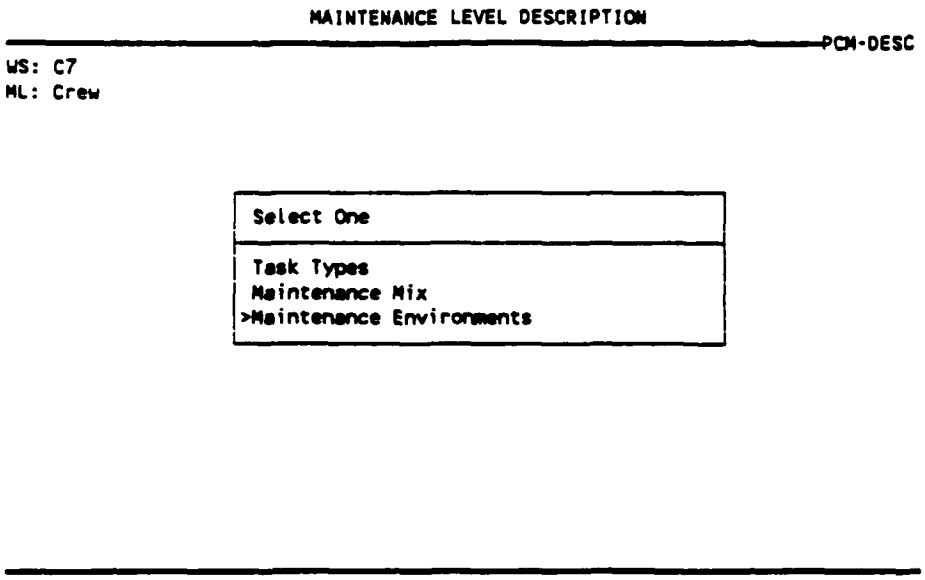
- Select **Insert** from the menu banner and press **<Enter>**.
- Enter a narrative text description for each of the maintenance mixes: organic, contractor, or both, if applicable to your specified maintenance level.

To Save Work:

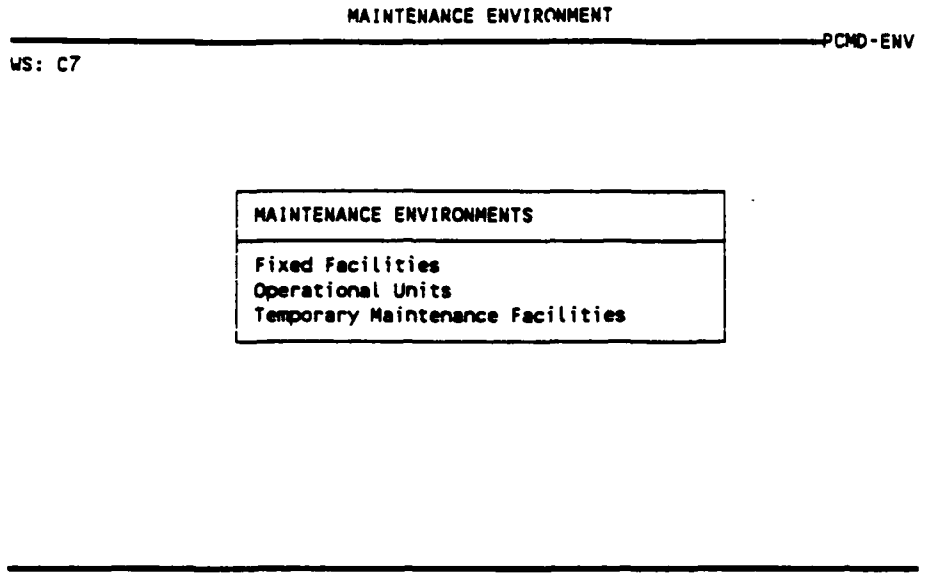
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.



- Select **Maintenance Environments** and press **<Enter>**.



To Insert Maintenance Environments:

- Select **Insert** from the menu banner and press **<Enter>**.
- Enter a maintenance environment and description. You can have up to 10 maintenance environments.

To Modify Maintenance Environments:

- Select **Modify** from the menu banner and press **<Enter>**.
- Cursor to the maintenance environment you want to modify and press **<Enter>**. The default mode is overstrike. You can change to insert mode by pressing the **<Ins>** key. Press **<Tab>** to move from field to field. Press **<Esc>** after you have finished modifying the maintenance environment information you have selected.
- Press **<Esc>** to return to the menu banner.

To Delete Maintenance Environments:

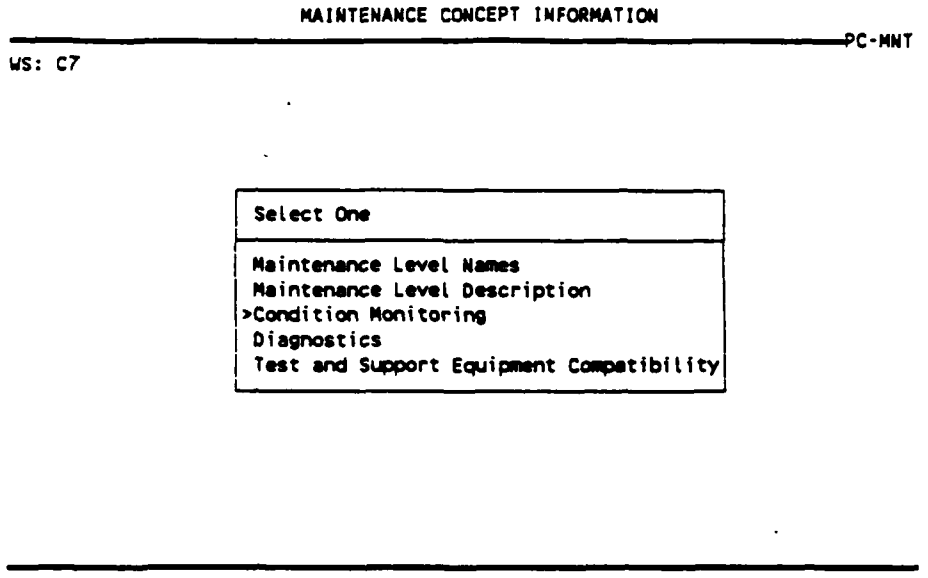
- Select **Delete** from the menu banner and press **<Enter>**.
- Cursor to the maintenance environment you want to delete and press **<Enter>**. You can delete as many maintenance environments as you desire. The maintenance environment information will turn gray, but will not be removed from the list until you select **Save** from the menu banner.
- Press **<Esc>** to return to the menu banner.

To Save Work:

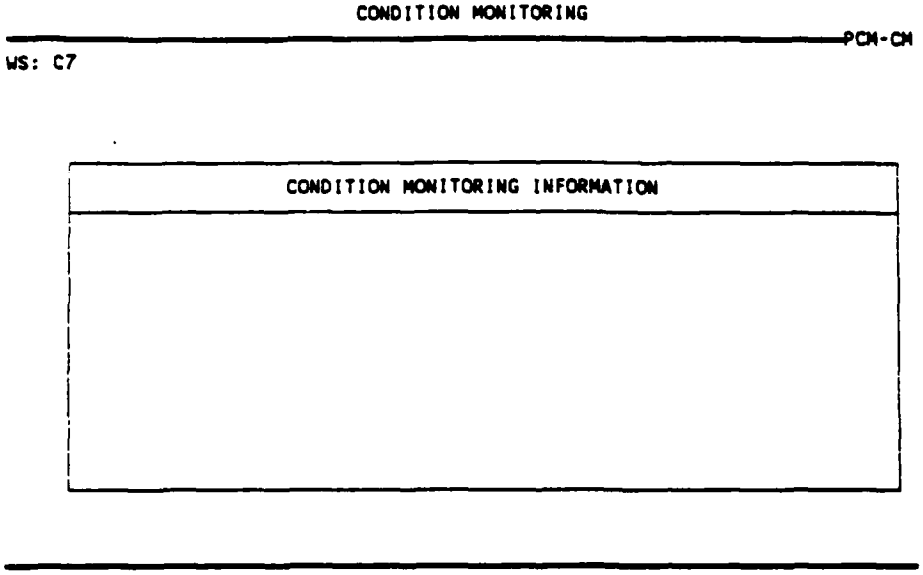
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.



- Select **Condition Monitoring** and press **<Enter>**.



To Insert Condition Monitoring Information:

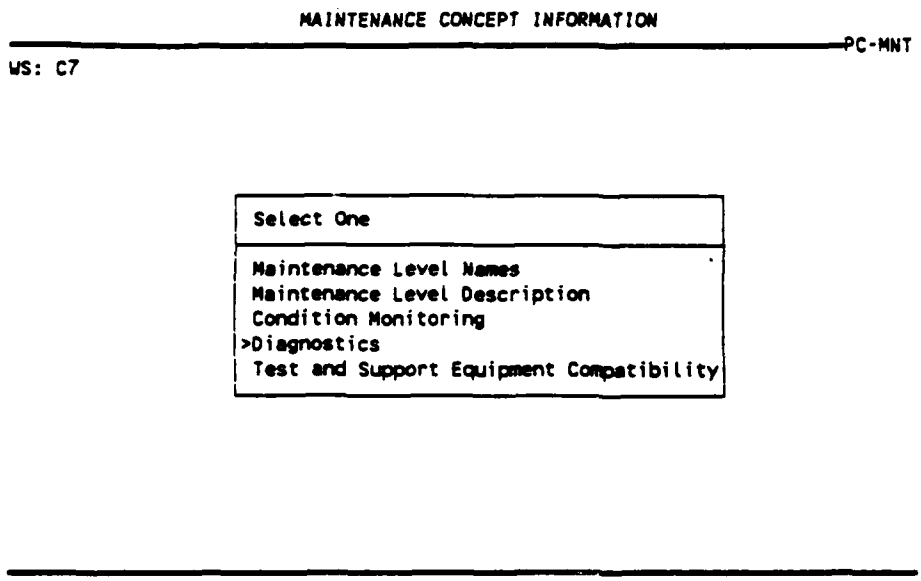
- Select **Insert** from the menu banner and press **<Enter>**.
- Enter a text narrative that describes the various types of equipment that require status checks or visible inspection. This text will describe the condition philosophy of a weapon system.

To Save Work:

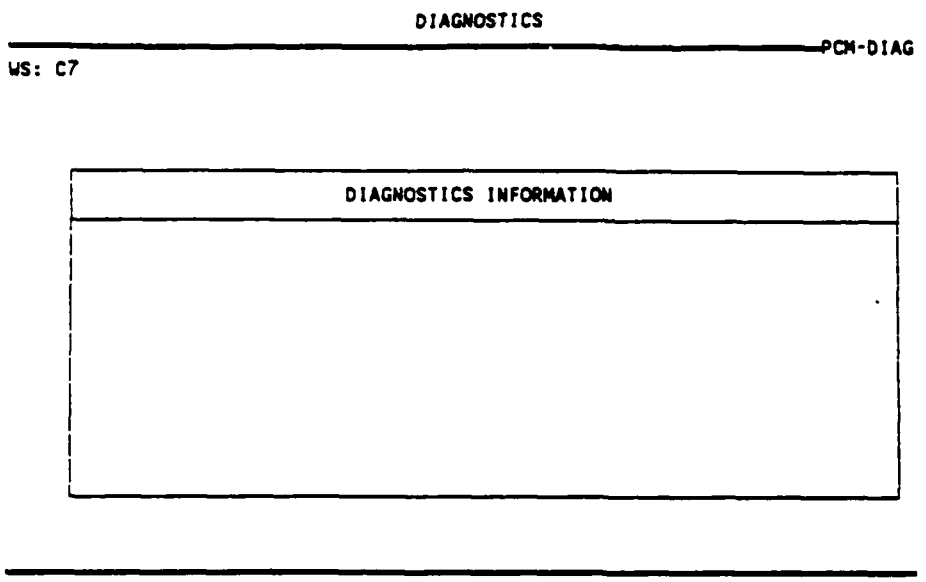
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

- **Select Quit from the menu banner and press <Enter>. You will be prompted to save your work if you have not done so.**



- Select **Diagnostics** and press **<Enter>**.



To Insert Diagnostic Information:

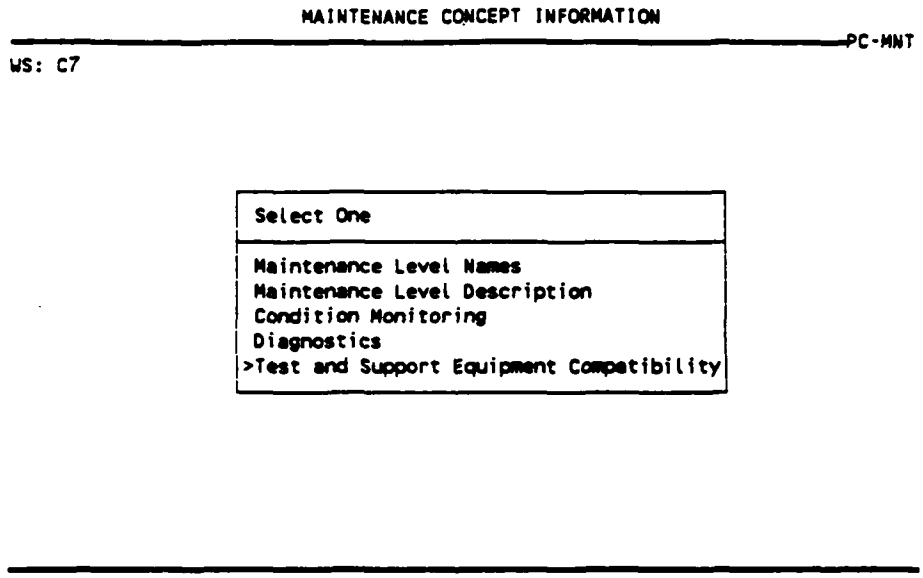
- Select **Insert** from the menu banner and press **<Enter>**.
- Enter a text narrative that describes the fault isolation and testing procedures for a weapon system.

To Save Work:

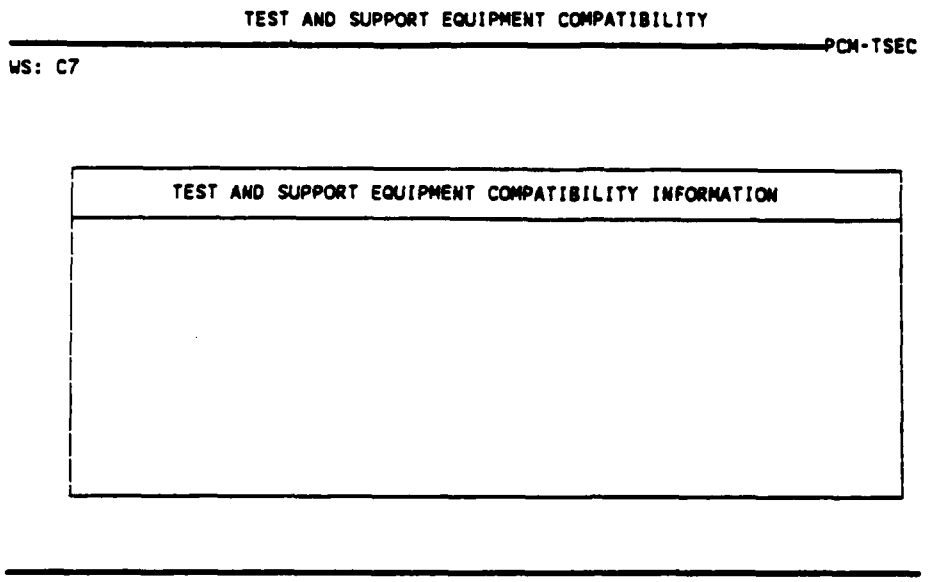
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.



- Select **Test and Support Equipment Compatibility** and press **<Enter>**.



To Insert Test and Support Equipment Compatibility Information:

- Select **Insert** from the menu banner and press **<Enter>**.
- Define existing test and support equipment and note any compatibility with planned test and support equipment. Describe anticipated needs for new special purpose testing and handling equipment.

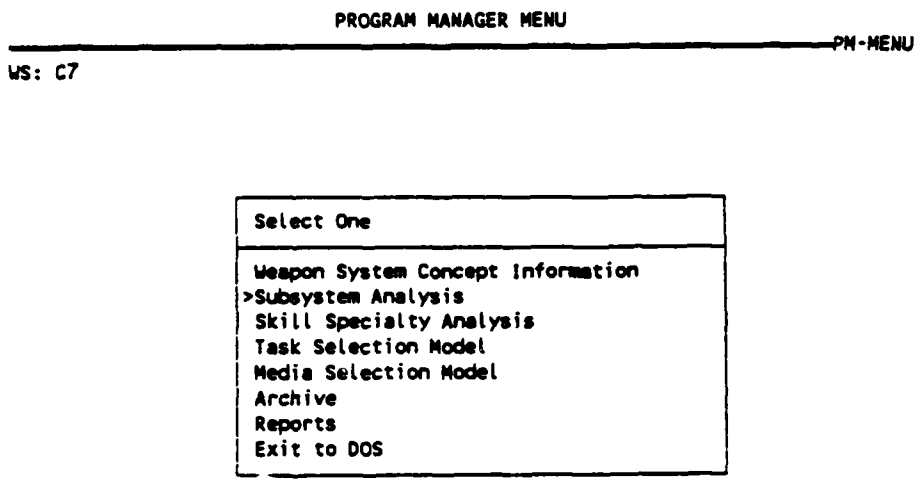
To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

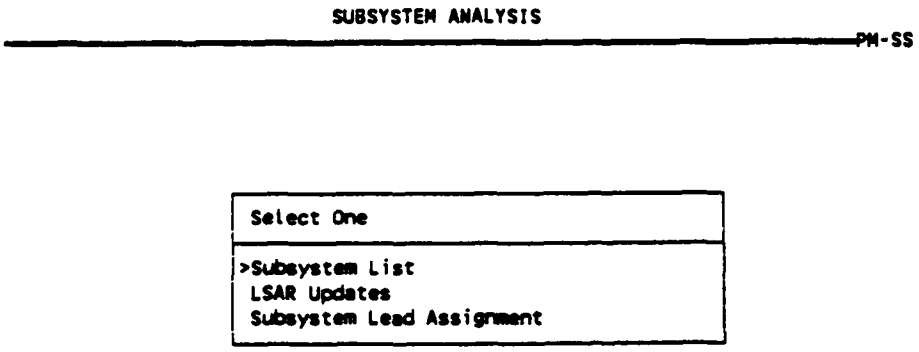
- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

4.2 SUBSYSTEM ANALYSIS



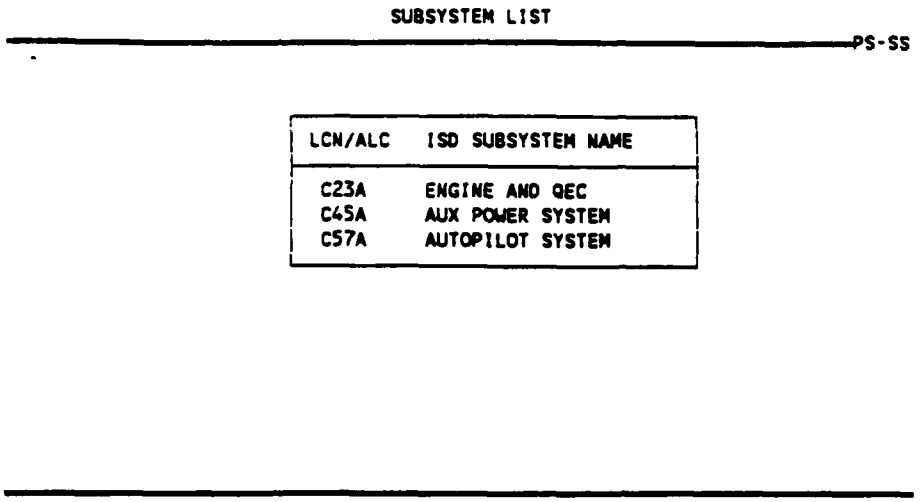
- Select **Subsystem Analysis** and press **<Enter>**.

4.2.1 Subsystem List



- Select **Subsystem List** and press **<Enter>**.

If LSAR data are available, your subsystem list is created from the LSAR automatically.



To Modify Subsystem Information:

- Select **Modify** from the menu banner and press **<Enter>**.
- Cursor to the subsystem name you want to modify and press **<Enter>**. The cursor will be placed in the subsystem name field. The default mode is overstrike. You can change to insert mode by pressing the **<Ins>** key. Press **<Esc>** after you have finished modifying the subsystem information you have selected.
- Press **<Esc>** to return to the menu banner.

To Insert Subsystem Information:

- Select **Insert** from the menu banner and press **<Enter>**.
- Use the up and down arrow keys to highlight where you want the subsystem information to be inserted and press **<Enter>**.
- The LCN/ALC is computer generated. Type in the subsystem name and press **<Enter>**. The subsystem name can be up to 19 characters long. You can insert as many subsystems as you desire.
- Press **<Esc>** to return to the menu banner.

To Delete Subsystem Information:

- Select **Delete** from the menu banner and press **<Enter>**.
- Cursor to the subsystem name you want to delete and press **<Enter>**. You can select as many subsystems as you desire. The selected subsystems will turn gray, but will not be removed from the list until you select **Save** from the menu banner. If the subsystem originally came from the LSAR database, it will return to the LSAR list and you will be able to choose it again by selecting **Add** from the menu banner. If you inserted the subsystem, it will be deleted from the TRANSFORM environment.
- Press **<Esc>** to return to the menu banner.

To Add Subsystem Information from LSAR:

This option becomes available as soon as you delete subsystem information that originally came from the LSAR database.

- Select **Add** from the menu banner and press **<Enter>**.
- Available LSAR subsystems will appear. Cursor to the subsystem you want to add to your subsystem list and press **<Enter>**. You can select as many subsystems as you desire.
- Press **<Esc>** to return to the menu banner.

To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

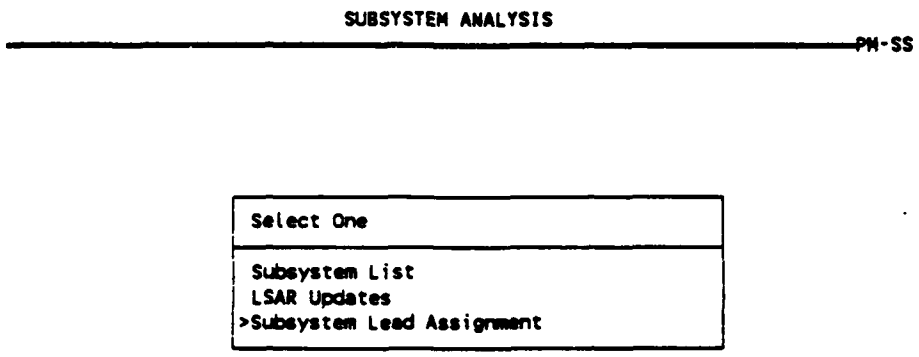
To Return to Program Manager Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

4.2.2 LSAR Updates

As PM, you will review and evaluate all LSAR additions, changes, and deletions, and decide how to incorporate them, if necessary. LSAR Updates are not included in Version 2.0.

4.2.3 Subsystem Lead Assignment



- Select **Subsystem Lead Assignment** and press **<Enter>**.

SUBSYSTEM LEAD ASSIGNMENT

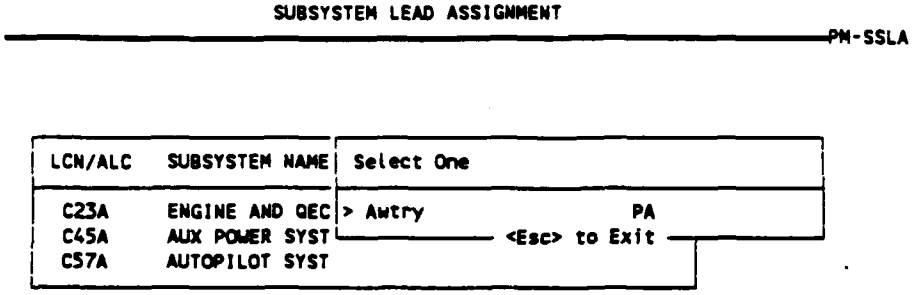
PM-SSLA

LCN/ALC	SUBSYSTEM NAME	SUBSYSTEM LEAD
C23A	ENGINE AND QEC	Awtry
C45A	AUX POWER SYSTEM	Awtry
C57A	AUTOPILOT SYSTEM	Awtry

Assign Save Quit
Assign or change an analyst as a subsystem lead

To Assign Subsystem Leads:

- Select **Assign** from the menu banner and press **<Enter>**.
- Cursor to the subsystem you want to assign a lead analyst to and press **<Enter>**.



- A list of system users will appear. Cursor to the user to be assigned to the subsystem and press **<Enter>**.
- Press **<Esc>** to return to the menu banner. Each subsystem can have only one Lead Analyst, but each analyst can be assigned as lead one or more subsystems.

To Save Work:

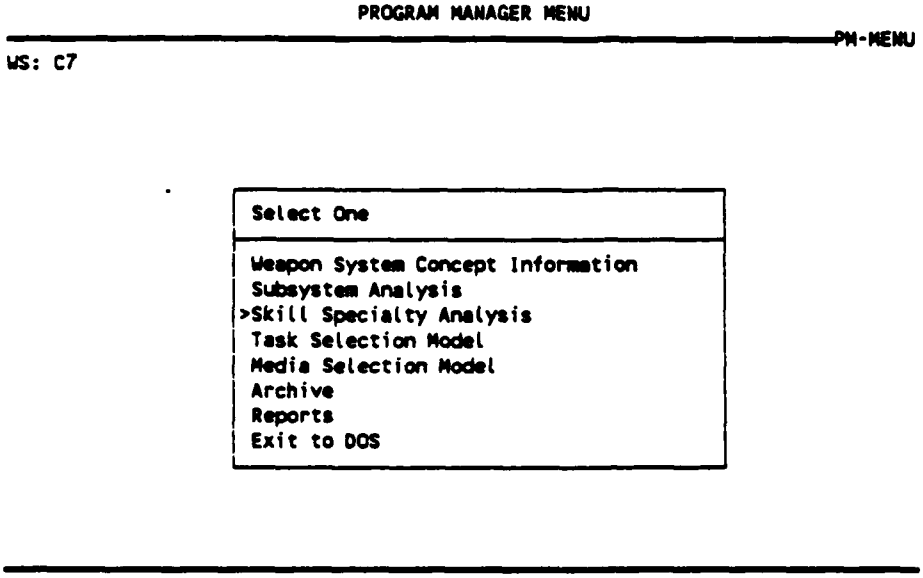
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Program Manager Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

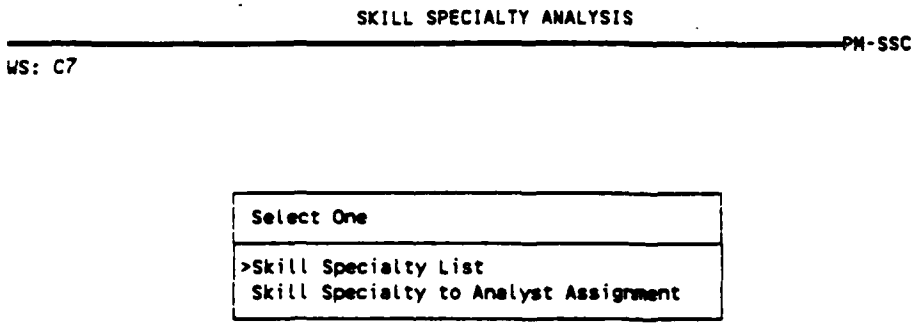
4.3 SKILL SPECIALTY ANALYSIS

As PM, you are responsible for creating and maintaining a skill specialty list, and for assigning each skill specialty to an ISD Analyst.

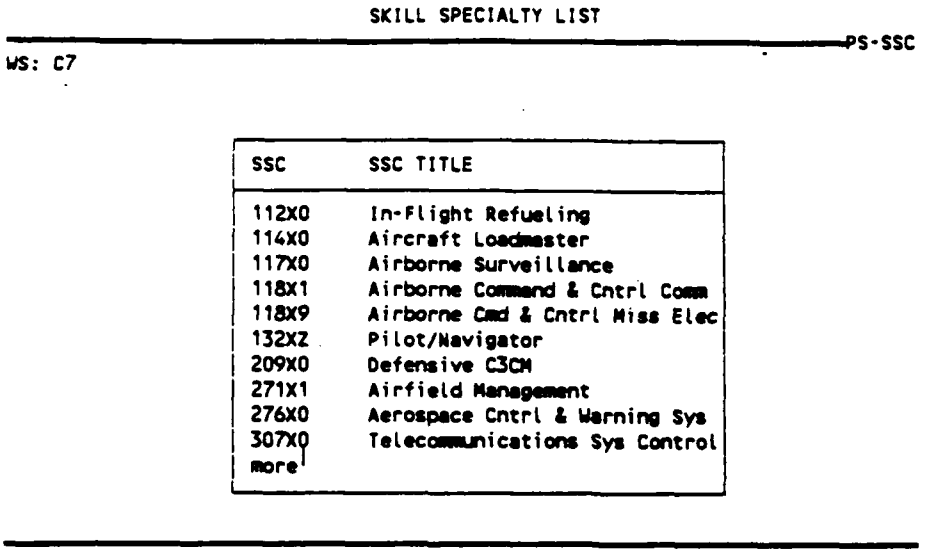


- Select **Skill Specialty Analysis** and press **<Enter>**.

4.3.1 Skill Specialty List



- Select **Skill Specialty List** and press **<Enter>**.



To Add Skill Specialties from the Master File:

- Select **Add** from the menu banner and press **<Enter>**.
- You are presented with a master file containing a list of skill specialties and their associated titles. Cursor to the skill specialty you want to add to your list and press **<Enter>**. You can select as many skill specialties as you desire.
- Press **<Esc>** to return to the menu banner.

To Modify Skill Specialty Information:

- Select **Modify** from the menu banner and press **<Enter>**.
- Cursor to the skill specialty information you want to modify and press **<Enter>**. The cursor will be placed in the skill specialty title field. The default mode is overstrike. You can change to insert mode by pressing the **<Ins>** key. Press **<Esc>** after you have finished modifying the skill specialty information you have selected. The Skill Specialty Code (SSC) field cannot be changed.
- Press **<Esc>** to return to the menu banner.

To Insert Skill Specialties:

- Select **Insert** from the menu banner and press **<Enter>**.
- Press **<Enter>**.
- Use **<Tab>** to move from field to field. Type in the skill specialty code and press **<Enter>**. The skill specialty code can be 7 characters long. All positions of this field must be numeric, except for the fourth position which can be alphanumeric.
- Type in the skill specialty title and press **<Enter>**. The title can be 30 characters long. You can insert as many skill specialties as you desire. The list of skill specialties will numerically sequence for you.
- Press **<Esc>** to return to the menu banner.

To Delete Skill Specialty Information:

- Select **Delete** from the menu banner and press **<Enter>**.
- Cursor to the skill specialty you want to delete and press **<Enter>**. Select as many skill specialties as you desire. The selected skill specialties will turn gray, but will not be removed from the list until you select **Save** from the menu banner. If the skill specialty originally came from the Master File, it will return to the Master File and you will be able to choose it again by selecting **Add** from the menu banner. If you inserted the skill specialty, it will be deleted from the TRANSFORM environment.
- Press **<Esc>** to return to the menu banner.

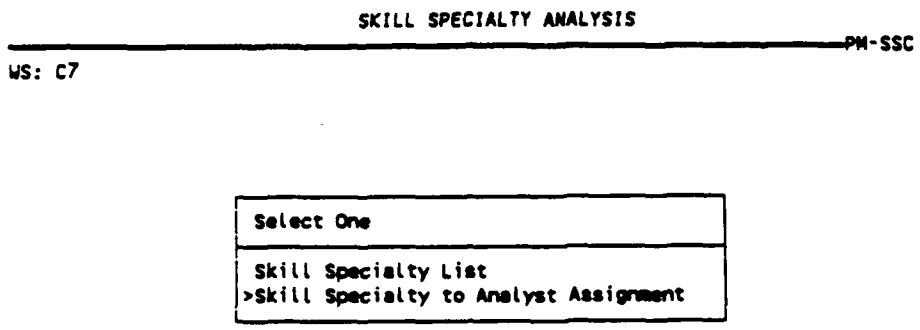
To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

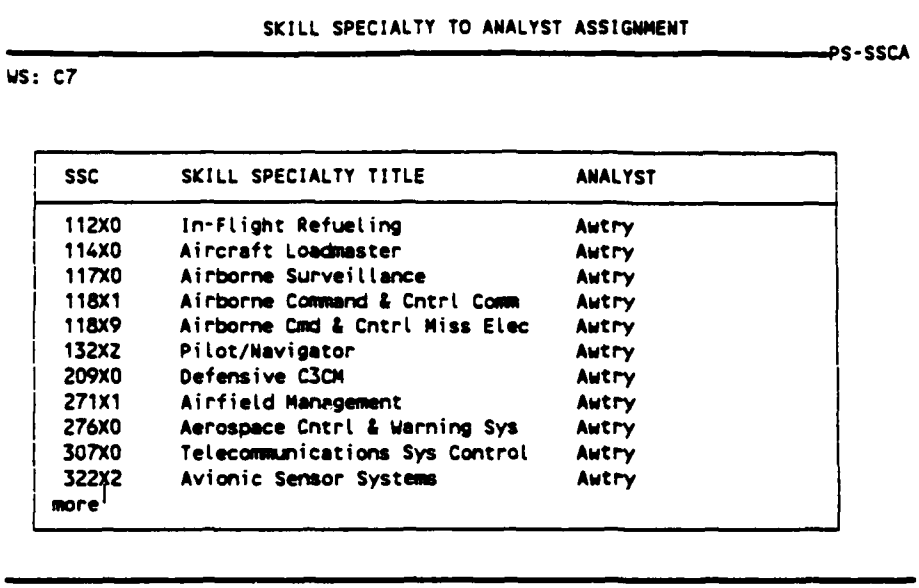
To Return to Program Manager Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

4.3.2 Skill Specialty to Analyst Assignment

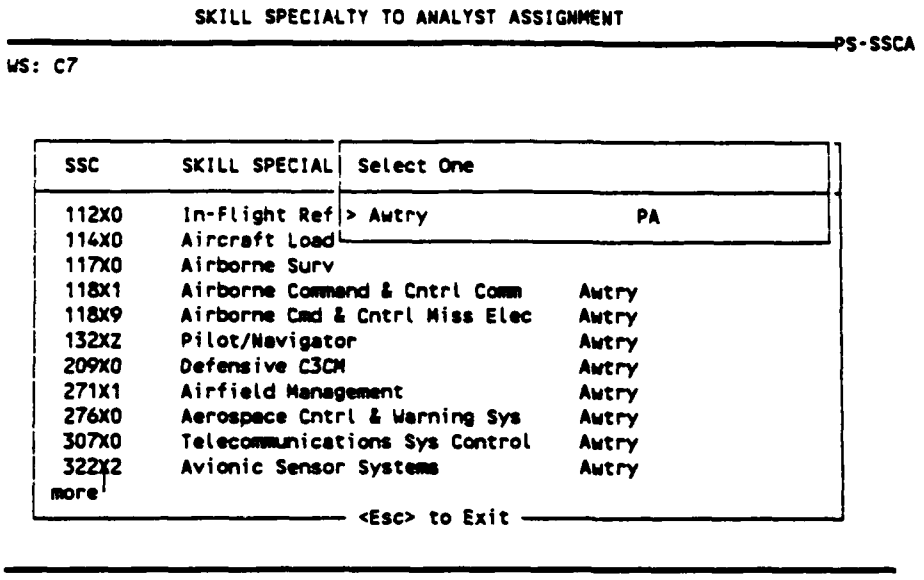


- Select **Skill Specialty to Analyst Assignment** and press **<Enter>**.



To Assign Skill Specialties:

- Select **Assign** from the menu banner and press **<Enter>**.
- Cursor to the skill specialty you want to assign to an analyst and press **<Enter>**.



- A list of system users will appear. Cursor to the user to be assigned to the skill specialty and press **<Enter>**.

- Press **<Esc>** to return to the menu banner. Each skill specialty can have only one ISD Analyst assigned, but each ISD Analyst can be assigned to one or more skill specialties.

To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

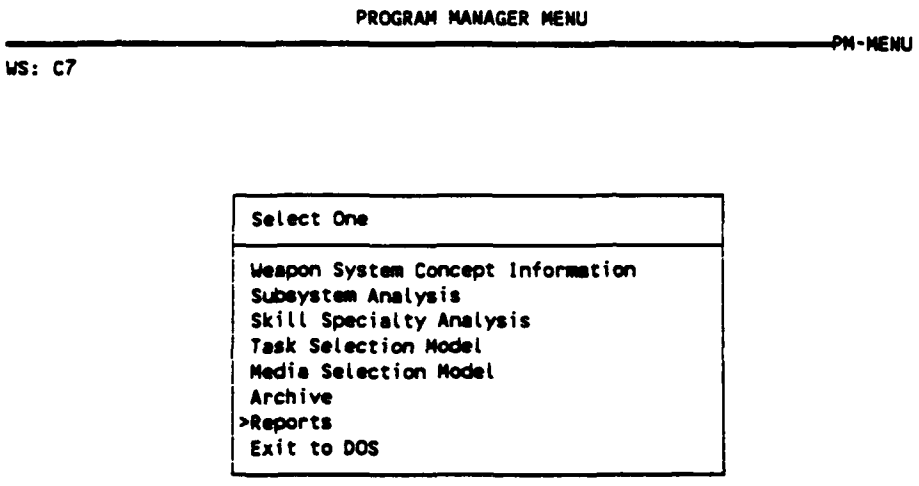
To Return to Program Manager Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

4.4 TASK SELECTION AND MEDIA MODEL SELECTION

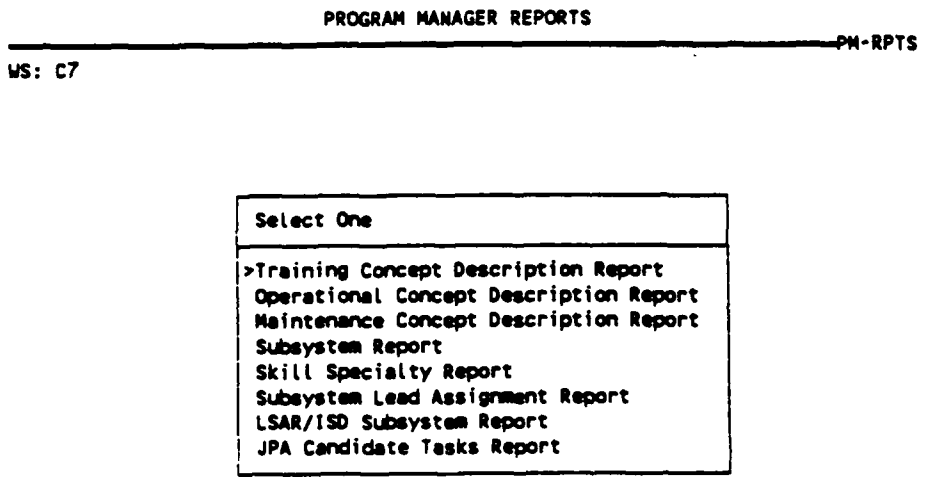
As the PM, you are responsible for selecting a task and media model for the ISD analysis. For Version 2.0, the only models available are the 3306th Test and Evaluation models.

4.5 PROGRAM MANAGER REPORTS



- Select **Reports** and press **<Enter>**.

4.5.1 Training Concept Description Report



- Select **Training Concept Description Report** and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or a file.

TRAINING CONCEPT DESCRIPTION REPORT

PR-TCD

Weapon System: C-17 Date: 08-17-89

Page: 1

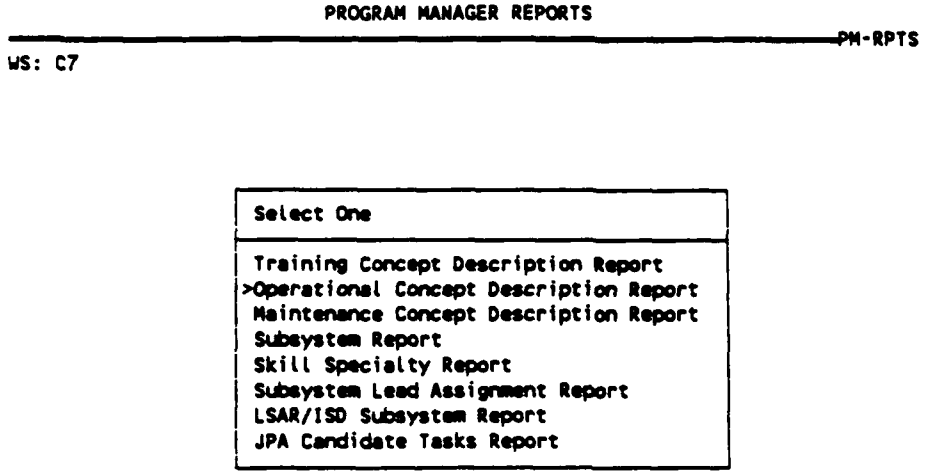
Training Equipment
Details:
End-Item

Training Equipment
Details:

- More -

<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

4.5.2 Operational Concept Description Report



- Select **Operational Concept Description Report** and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or a file.

OPERATIONAL CONCEPT DESCRIPTION REPORT

PR-OCD-

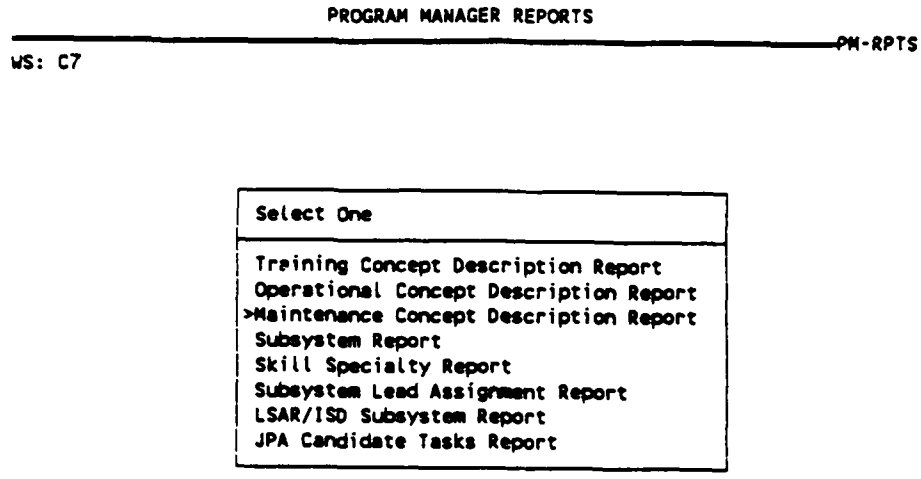
Weapon System: C-17

Date: 08-17-89
Page: 1

- End of List -

<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

4.5.3 Maintenance Concept Description Report



- Select **Maintenance Concept Description Report** and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or a file.
- Cursor to the maintenance level you want and press **<Enter>**.

MAINTENANCE CONCEPT DESCRIPTION REPORT

PR-MCD

Weapon System: C-17

Date: 08-17-89
Page: 1

Maintenance Level: Crew

Task Type: Access

Task Type: Adjust

Task Type: Align

Task Type: Calibrate

Task Type: Disassemble/Assemble

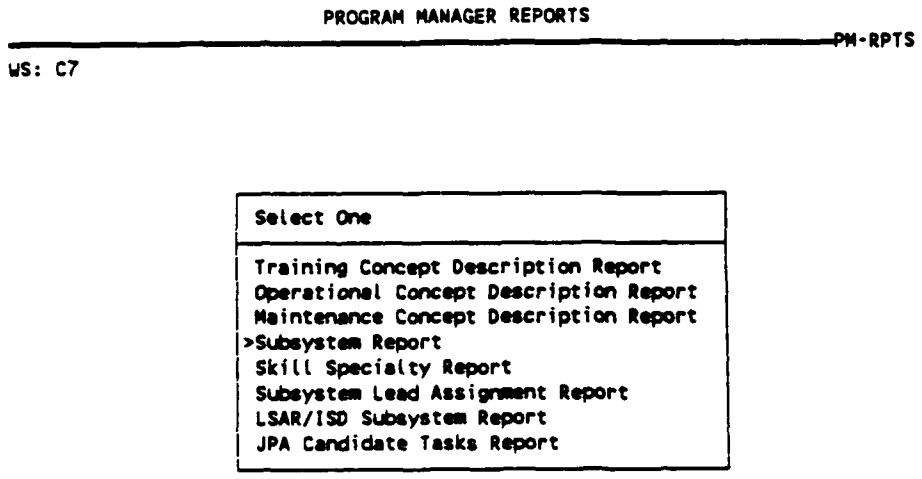
Task Type: End-Of-Runway Inspection

Task Type: Fault Location

- More -

<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

4.5.4 Subsystem Report



- Select **Subsystem Report** and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or a file.

SUBSYSTEM REPORT

PR-SSL

Weapon System: C-17

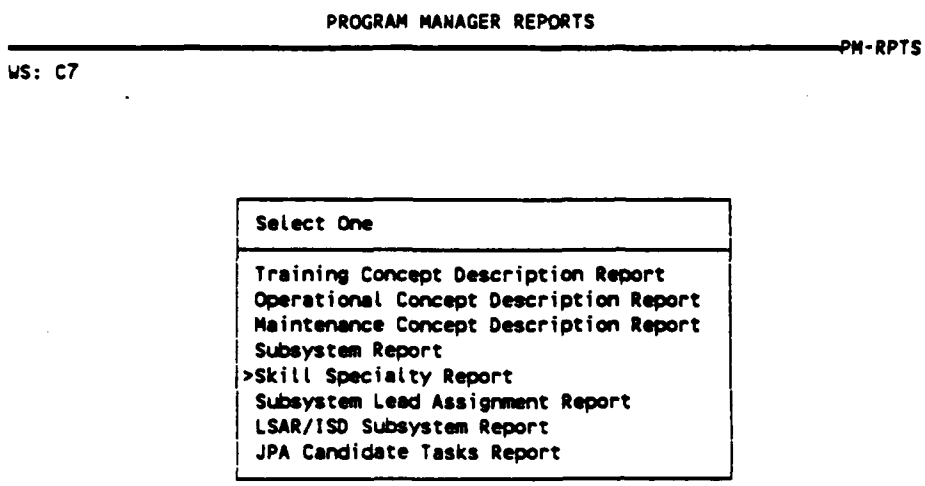
Date: 08-17-89
Page: 1

LCN/ALC	SUBSYSTEM
C23A	ENGINE AND QEC
C45A	AUX POWER SYSTEM
C57A	AUTOPILOT SYSTEM

- End of List -

<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

4.5.5 Skill Specialty Report



- Select **Skill Specialty Report** and press **<Enter>**.
- Select how you want the report sorted (by SSC or by analyst name) and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or a file.

SKILL SPECIALTY REPORT

PR-SSC

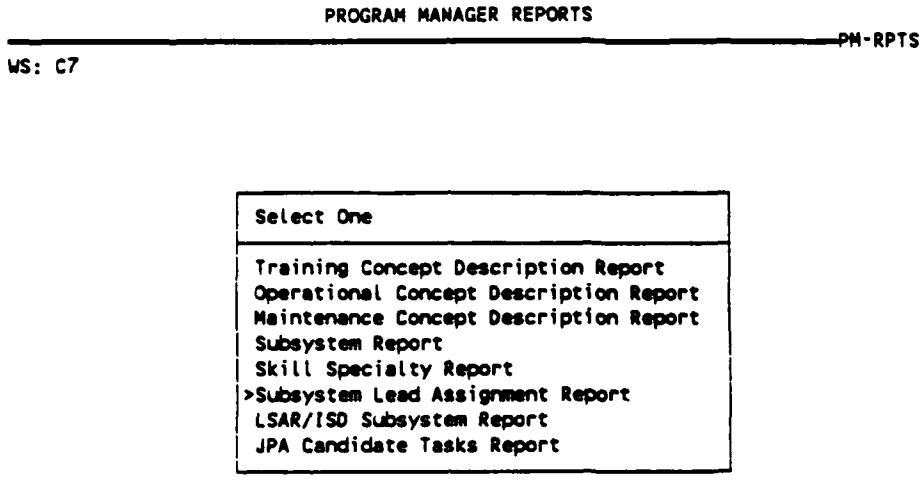
Weapon System: C-17

Date: 08-17-89
Page: 1

ISD ANALYST	SSC	TITLE
Awtry, Paula	112X0	In-Flight Refueling
Awtry, Paula	114X0	Aircraft Loadmaster
Awtry, Paula	117X0	Airborne Surveillance
Awtry, Paula	118X1	Airborne Command & Cntrl Comm
Awtry, Paula	118X9	Airborne Cmd & Cntrl Miss Elec
Awtry, Paula	132X2	Pilot/Navigator
Awtry, Paula	209X0	Defensive C3CM
Awtry, Paula	271X1	Airfield Management
Awtry, Paula	276X0	Aerospace Cntrl & Warning Sys
Awtry, Paula	307X0	Telecommunications Sys Control
Awtry, Paula	322X2	Avionic Sensor Systems
Awtry, Paula	325X9	Auto Flt Cntrl/Avion Instr Sys
Awtry, Paula	326X7	Int Av Instr & Flt Cntrl Sys
Unassigned	328X4	Avionic Inert & Radar Nav Sys
Unassigned	391X1	Maintenance Systems
Unassigned	427X1	Corrosion Control

<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

4.5.6 Subsystem Lead Assignment Report



- Select **Subsystem Lead Assignment Report** and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or a file.

SUBSYSTEM LEAD ASSIGNMENT REPORT

PR-SSLA

Weapon System: C-17

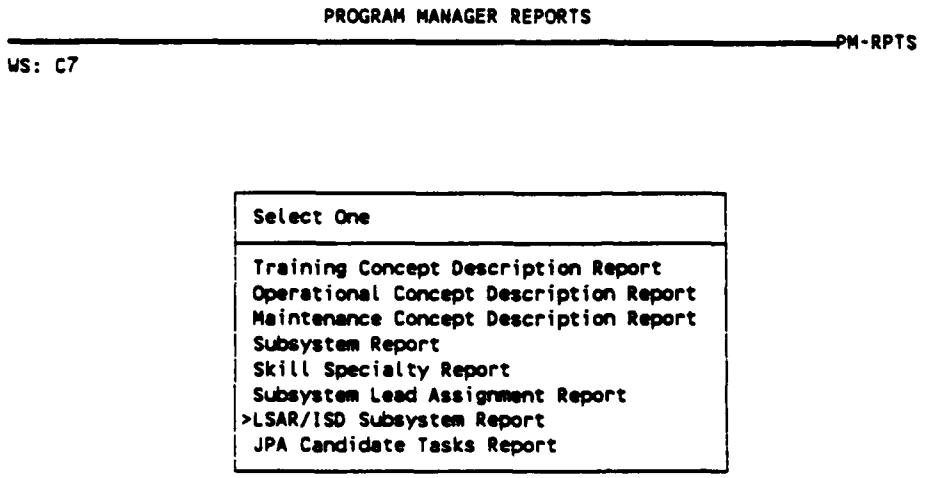
Date: 08-17-89
Page: 1

Lead Analyst	LCN	Subsystem
Awtry, Paula	C23A	ENGINE AND QEC
	C45A	AUX POWER SYSTEM
	C57A	AUTOPILOT SYSTEM

- End of List -

<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

4.5.7 LSAR/ISD Subsystem List Report



- Select **LSAR/ISD Subsystem Report** and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or a file.

LSAR/ISD SUBSYSTEM REPORT

PM-LSAR

Weapon System: C-17

Date: 08-17-89
Page: 1

LCN	LSAR Subsystem Name	ISD Subsystem Name
C23A	ENGINE AND QEC	ENGINE AND QEC
C45A	AUX POWER SYSTEM	AUX POWER SYSTEM
C57A	AUTOPILOT SYSTEM	AUTOPILOT SYSTEM

- End of List -

<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

SECTION 5.0

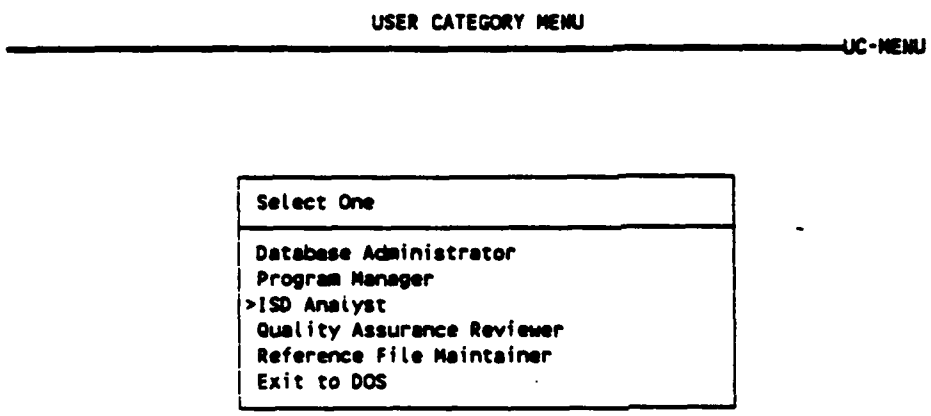
ISD ANALYST FUNCTIONS

The ISD Analyst (IA) user category has three sub-categories: Subsystem Lead Analyst, Task Lead Analyst, and ISD Analyst. The functional responsibilities are described below.

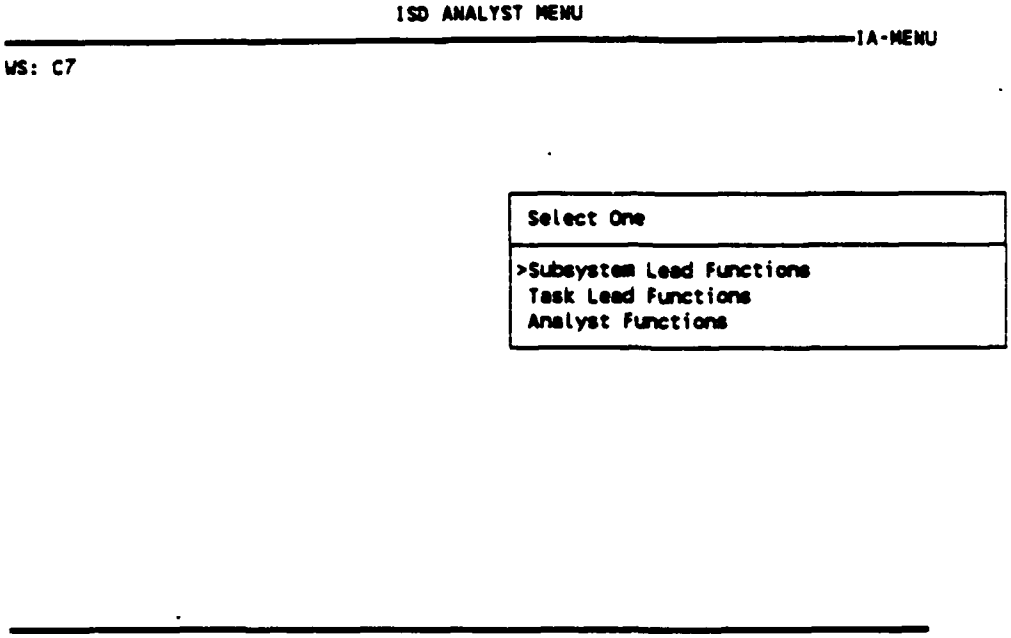
5.1 SUBSYSTEM LEAD FUNCTIONS

You will create a task list for each subsystem that you have been designated Subsystem Lead (SL), using LSAR data, if available. You will evaluate all changes to the LSAR and decide how to incorporate those changes. You will assign each task a Task Lead. If LSAR data are available, a Task Lead will be assigned automatically and you can reassign the lead, if you so desire.

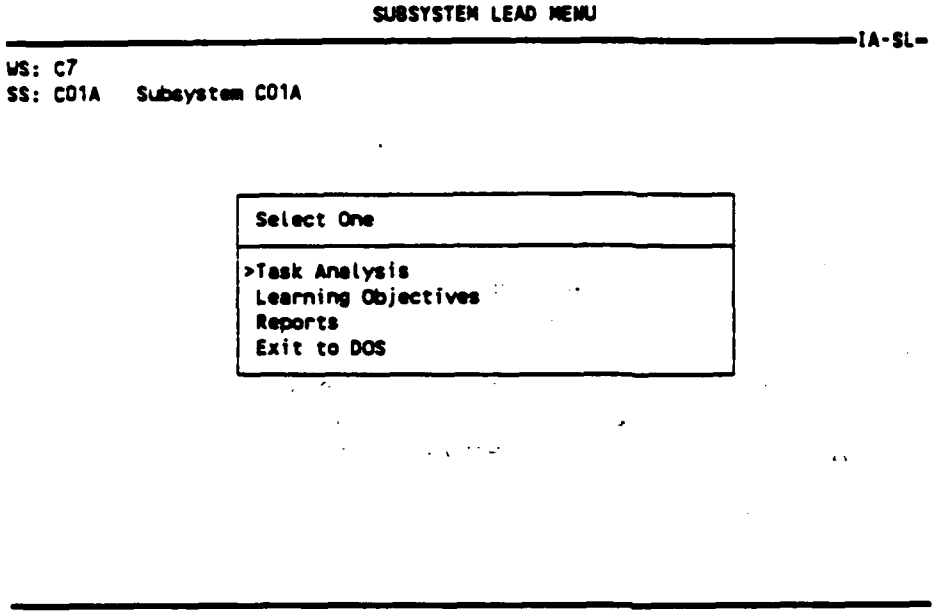
To Access the Subsystem Lead Area:



- Select **ISD Analyst** and press **<Enter>**.



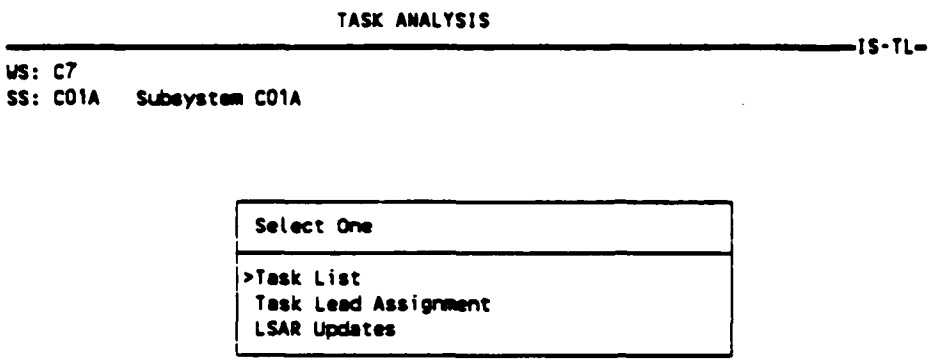
- Select **Subsystem Lead Functions** and press **<Enter>**.
- Cursor to the subsystem you wish to work on and press **<Enter>**.



- Select **Task Analysis** and press **<Enter>**.

5.1.1 Task List

You are responsible for creating a task list for each subsystem that you have been designated Subsystem Lead.



- Select **Task List** and press **<Enter>**.

If LSAR exists, a task list will be created for you using the LSAR data. You can modify or delete any tasks you desire, or insert new tasks you feel belong but were not included in the LSAR.

```
                                TASK LIST
                                                                    IST-TL
WS: C7
SS: C01A   Subsystem C01A
    LSAR Available
```

LCN/ALC	TASK CODE	TASK IDENTIFICATION
C01A0	WGOFBAA	ACCESS/EXIT TOP OF WING/FUSELAGE
C01A1	WGOFBAA	REMOVE/INSTALL HORIZ PRESS PANELS
C01A4	CGOFAAA	DRAIN OBIGGS N2 STORAGE CYLINDERS.
C01A6	CGOFBAA	SVC #1 ENG INTEGRATED DR GENERATOR
C01AA	OGOFBAA	ENGINE RUNUP FOR MAINTENANCE
more		

```
 Modify    Insert    Delete    Save    Quit
Modify the task identification
```

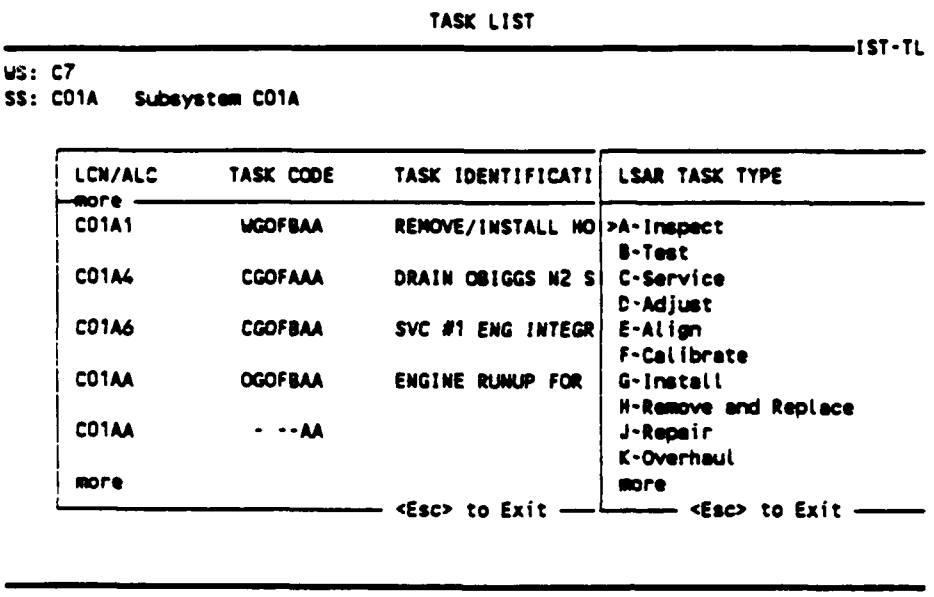
To Modify Task Information:

- Select **Modify** from the menu banner and press **<Enter>**.
- Cursor to the task you want to modify and press **<Enter>**. The cursor will be placed in the task description field. The default mode is overstrike. You can change to insert mode by pressing the **<Ins>** key.
- Press **<Esc>** to return to the menu banner.

To Insert Task Information:

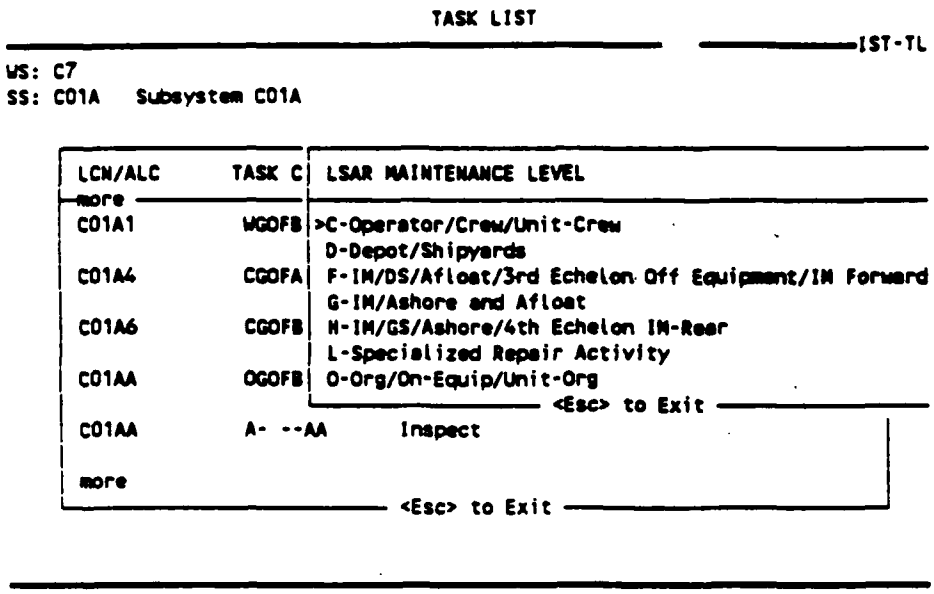
- Select **Insert** from the menu banner and press **<Enter>**.
- Use the up and down arrow keys to highlight where you want the task to be inserted and press **<Enter>**.

You are now going to create the first and third digit of the task code. The first digit of the task code is the task function code which denotes specific maintenance, operator, or supporting functions necessary to the operation and maintenance of an item.



- Cursor to the LSAR Task Type that describes your inserted task and press **<Enter>**. The verb corresponding to the selected task type will appear in the task description field.

The third digit of the task code is the Operation/Maintenance Level. This code indicates the maintenance levels authorized to perform a required maintenance function.



- Cursor to the Maintenance Level at which your task will be performed and press **<Enter>**. The cursor will be placed in the task description field.
- Type in a task description and press **<Enter>**. The task description field can be 108 characters long.
- Press **<Esc>** to return to the menu banner.

To Delete Task Information:

- Select **Delete** from the menu banner and press **<Enter>**.
- Cursor to the task you want to delete and press **<Enter>**. You can select as many tasks as you desire. The selected task(s) will turn gray, but will not be removed from the list until you select **Save** from the menu banner.
- Press **<Esc>** to return to the menu banner.

To Add Task Information from LSAR:

This option is available if LSAR data exists.

- Select **Add** from the menu banner and press **<Enter>**.
- Available LSAR tasks will appear. Cursor to the task you want to add to your task list and press **<Enter>**. You can select as many tasks as you desire. These tasks will be added to the ISD list, and you can modify them by selecting **Modify** from the menu banner.
- Select **Save** from the menu banner and press **<Enter>**.

To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Subsystem Lead Menu:

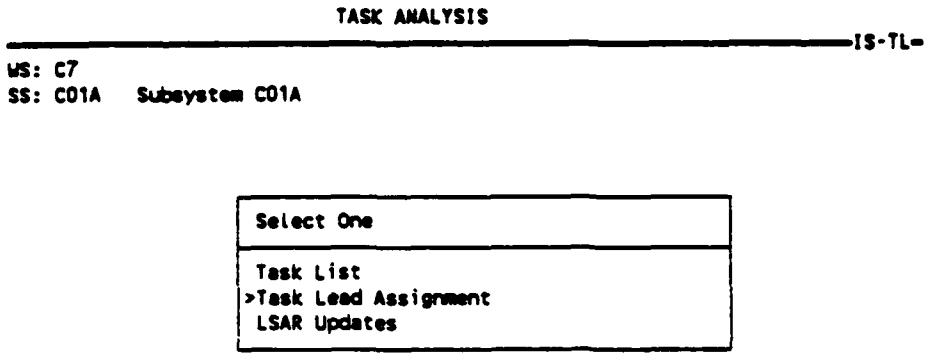
- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

5.1.2 LSAR Updates

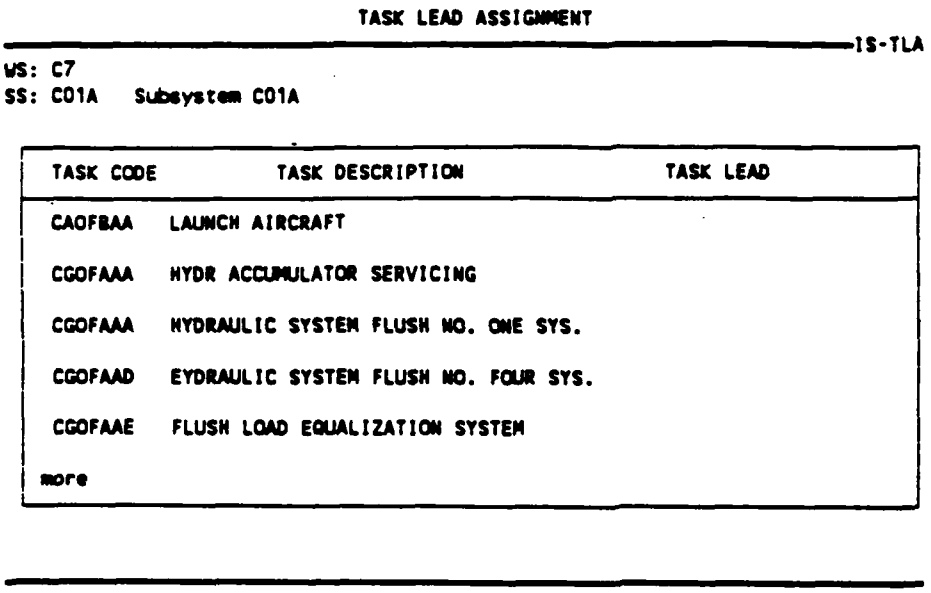
This process is not included in Version 2.0.

5.1.3 Task Lead Assignment

As SL, you will assign or re-assign a task lead analyst.

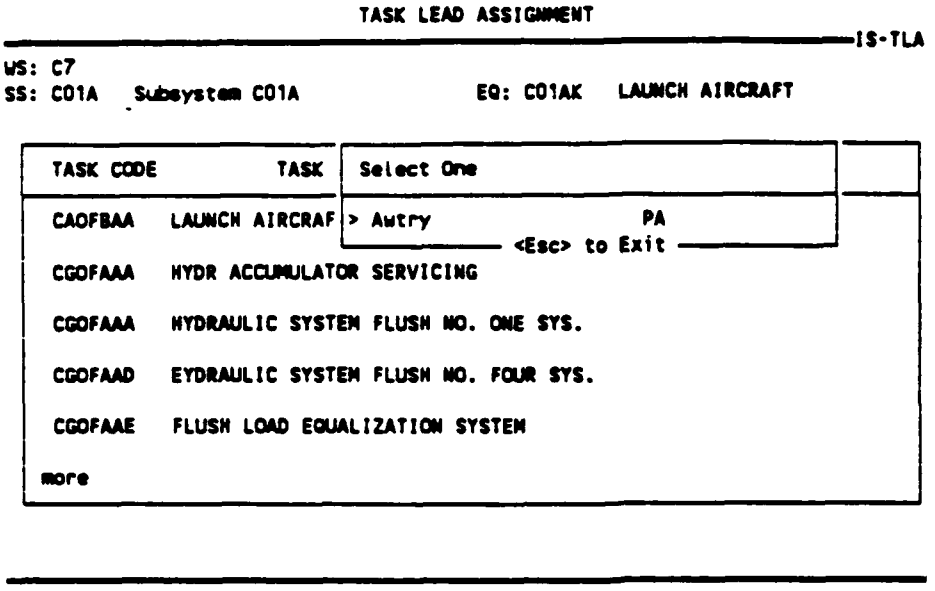


- Select **Task Lead Assignment** and press **<Enter>**.



To Assign Task Leads:

- Select **Assign** from the menu banner and press **<Enter>**.
- Cursor to the task you want to assign a task lead to and press **<Enter>**.



- A list of system users will appear. Cursor to the user to be assigned to the task and press **<Enter>**. Each task can have only one lead analyst, but an analyst can be assigned as lead to one or more tasks.

- Press **<Esc>** to return to the menu banner.

To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

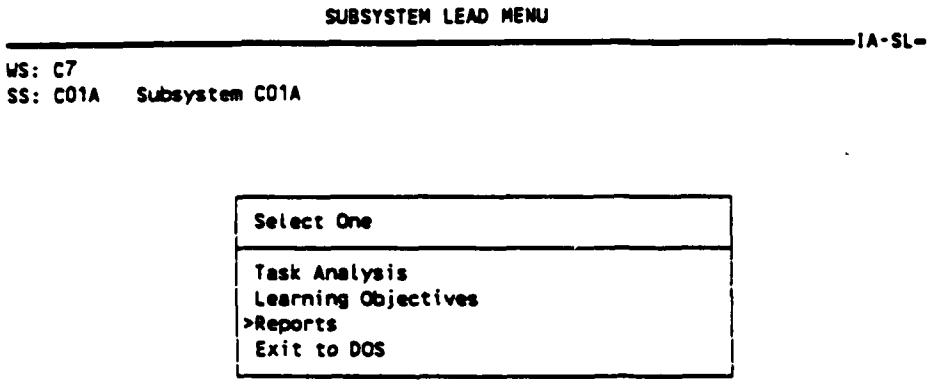
To Return to Subsystem Lead Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

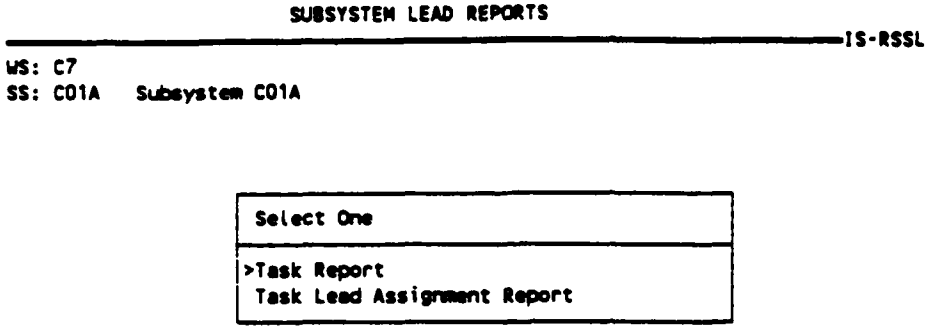
5.1.4 Learning Objectives

This process is not included in Version 2.0.

5.1.5 Subsystem Lead Reports



- Select **Reports** and press **<Enter>**.



- Select the type of report you want to generate and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or to a file.

5.1.5.1 Task Report

This report lists task codes and descriptions for the selected subsystem(s).

TASK REPORT

ISR-SSL

Weapon System: C7
SS: C01A Subsystem C01A

Date: 10-26-89
Page: 1

LCN/ALC	TASK CODE	TASK IDENTIFICATION
C01A6	CGOFBAA	SVC #1 ENG INTEGRATED DR GENERATOR
C01AA	OGOFBAA	ENGINE RUNUP FOR MAINTENANCE
C01AK	CAOFBAA	LAUNCH AIRCRAFT
C01AL	CGOFBAA	NLG STRUT SERVICING
C01AM	CGOFRAA	MLG STRUT SERVICING
C01AN	CGOFAAA	HYDRAULIC SYSTEM FLUSH NO. ONE SYS.
C01AN	CGOFAAD	EYDRAULIC SYSTEM FLUSH NO. FOUR SYS.
C01AN	CGOFAAE	FLUSH LOAD EQUALIZATION SYSTEM

<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

5.1.5.2 Task Lead Assignment Report

This report lists the task lead assignment for the selected subsystem(s).

TASK LEAD ASSIGNMENT REPORT

ISR-TLA

Weapon System: C7 Date: 10-26-89
SS: C01A Subsystem C01A Page: 1

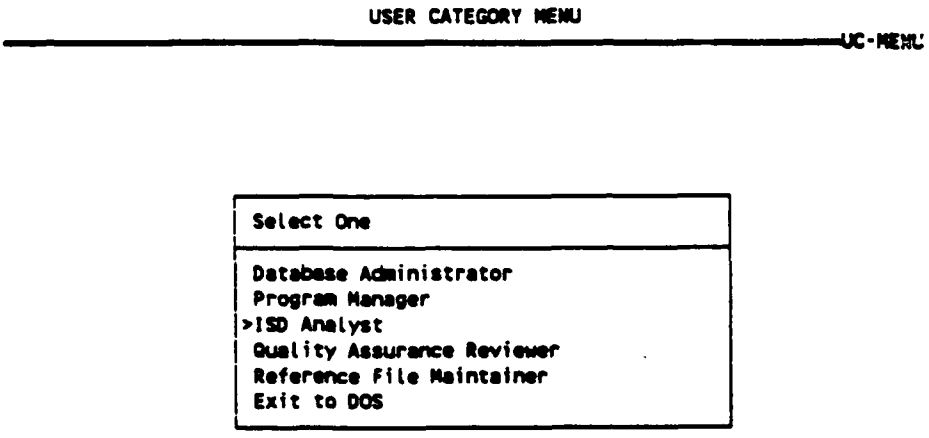
LEAD ANALYST	TASK CODE	TASK IDENTIFICATION
Awtry ,P.	CGOFBAA	SVC #1 ENG INTEGRATED DR GENERATOR
Unassigned	OGOFBAA	ENGINE RUNUP FOR MAINTENANCE
Awtry ,P.	CAOFBAA	LAUNCH AIRCRAFT
Unassigned	CGOFBAA	MLG STRUT SERVICING
Unassigned	CGOFBAA	MLG STRUT SERVICING
Unassigned	CGOFAAA	HYDRAULIC SYSTEM FLUSH NO. ONE SYS.
Unassigned	CGOFAAD	EYDRAULIC SYSTEM FLUSH NO. FOUR SYS.
Unassigned	CGOFAAE	FLUSH LOAD EQUALIZATION SYSTEM

<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

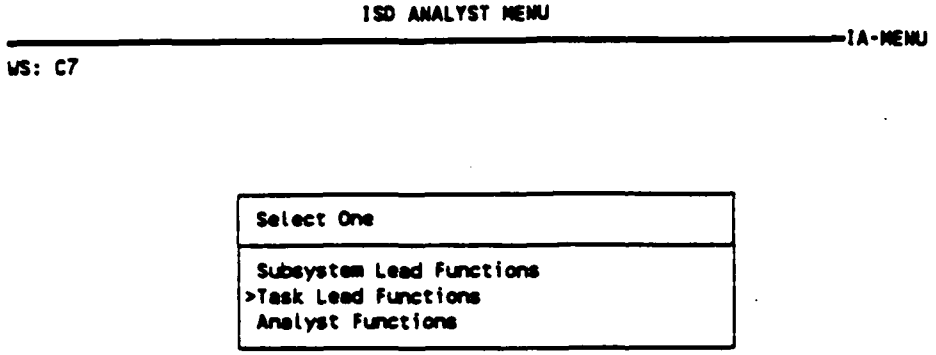
5.2 TASK LEAD FUNCTIONS

You will develop a task element list for each task that you have been designated Task Lead (TL), using LSAR data, if available. You will identify potential JPA task candidates and for each task that cannot be trained exclusively by a JPA you will select an instructional setting.

To Access the Task Lead Area:

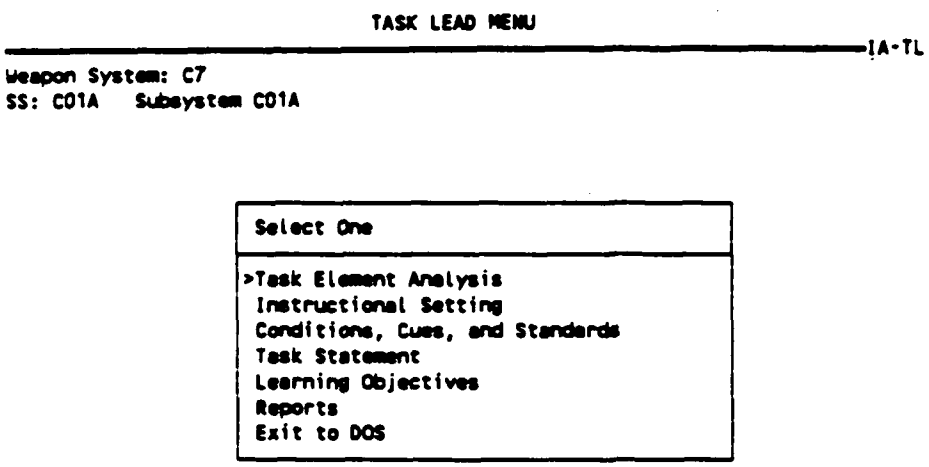


- Select **ISD Analyst** and press **<Enter>**.



- Select **Task Lead Functions** and press **<Enter>**.
- Cursor to the subsystem you want and press **<Enter>**.

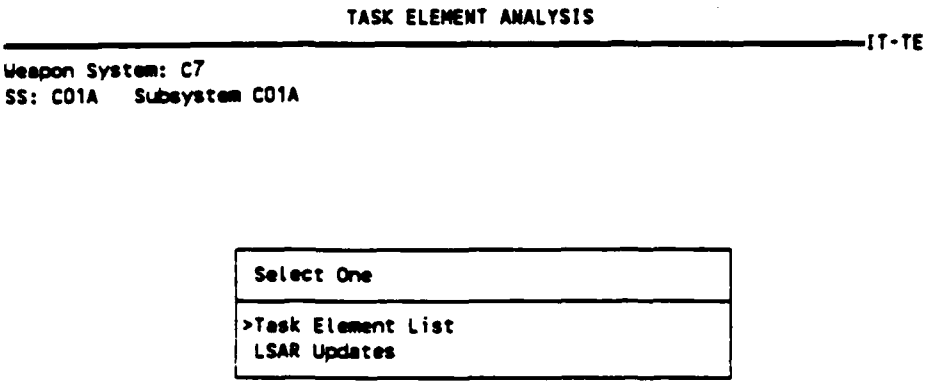
5.2.1 Task Element Analysis



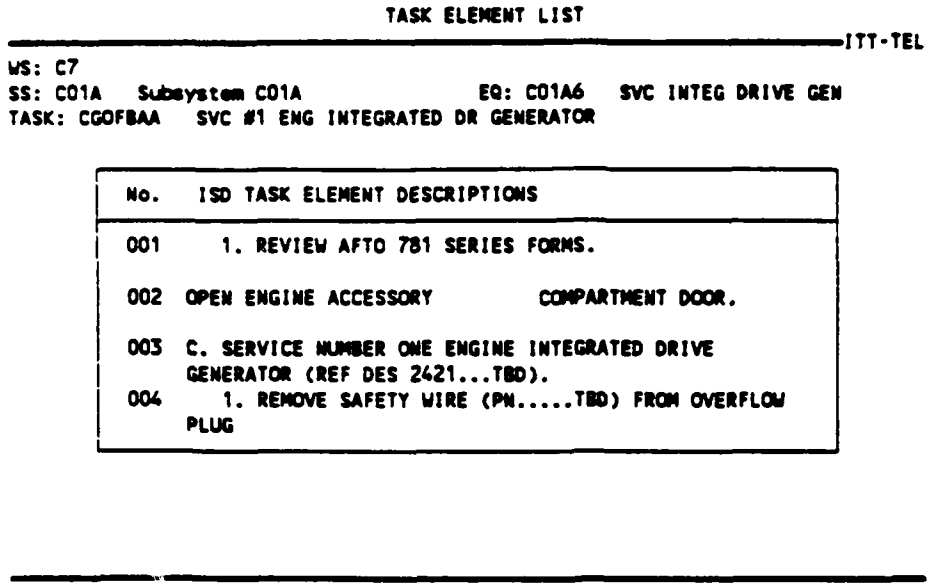
- Select **Task Element Analysis** and press **<Enter>**.

5.2.1.1 Task Element List

You will develop a task element list, from LSAR if available, for each task that you have been designated Task Lead.



- Select **Task Element List** and press **<Enter>**.
- Cursor to the task you wish to create a task element list for and press **<Enter>**.



To Modify Task Element Information:

- Select **Modify** from the menu banner and press **<Enter>**.
- Cursor to the task element you want to modify and press **<Enter>**. The cursor will be placed in the task element field. The default mode is overstrike. You can change to insert mode by pressing the **<Ins>** key. After you have finished modifying the task element you selected press **<Esc>**.
- Press **<Esc>** to return to the menu banner.

To Insert Task Element Information:

- Select **Insert** from the menu banner and press **<Enter>**.
- Use the up and down arrow keys to highlight where you want the task element to be inserted and press **<Enter>**.
- Type in the task element and press **<Enter>**. The task element can be 108 characters long.
- Press **<Esc>** to return to the menu banner.

To Delete Task Element Information:

- Select **Delete** from the menu banner and press **<Enter>**.
- Cursor to the task element you want to delete and press **<Enter>**. You can select as many task elements as you desire. The selected task element(s) will turn gray, but will not be removed from the list until you select **Save** from the menu banner.
- Press **<Esc>** to return to the menu banner.

To Resequence Task Element Descriptions:

- Cursor to the task element you wish to move and press **<Enter>**.
- Use the up and down arrow keys to move the task element to the desired location and press **<Enter>**. The sequential number is reassigned automatically.
- Press **<Esc>** to return to the menu banner.

To Copy Task Element Information from LSAR:

- Select **Copy** from the menu banner and press **<Enter>**. Available LSAR Sequential Task Descriptions (STDs) will appear.
- Use the up and down and right and left arrow keys to move the cursor to the beginning of the text that you want to copy and press **<F5>**.
- Cursor to the end of the desired text and press the **<F5>** again. Each task element can be up to 108 characters long. You can block as many task elements as you desire.
- Press **<Esc>** to return to the menu banner.

To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Task Lead Menu:

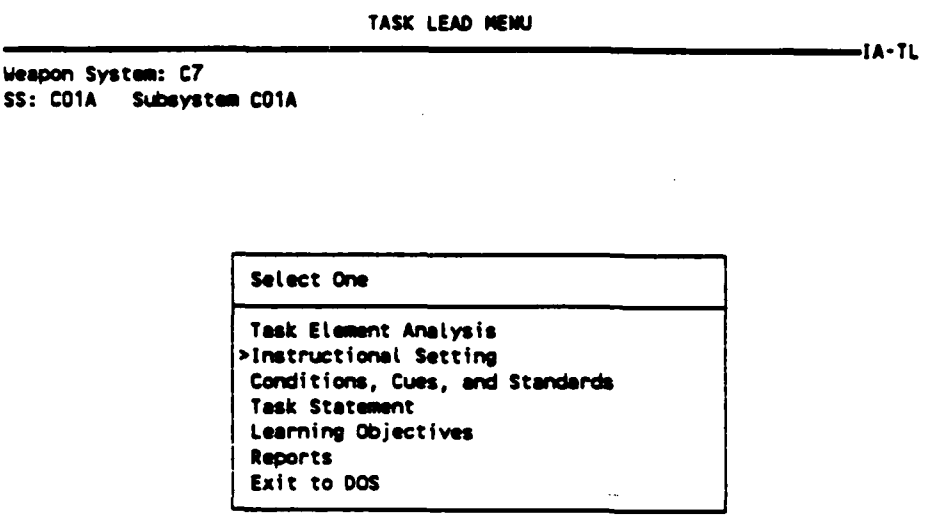
- Select Quit from the menu banner and press <Enter>. You will be prompted to save your work if you have not done so.

5.2.1.2 LSAR Updates

As TL, you will review and evaluate all LSAR additions, changes, and deletions, and decide how to incorporate them, if necessary. There are no LSAR Updates in Version 2.0.

5.2.2 Instructional Setting

Instructional setting consists of clustering tasks, identifying JPA candidate tasks and assigning an instructional setting to tasks.



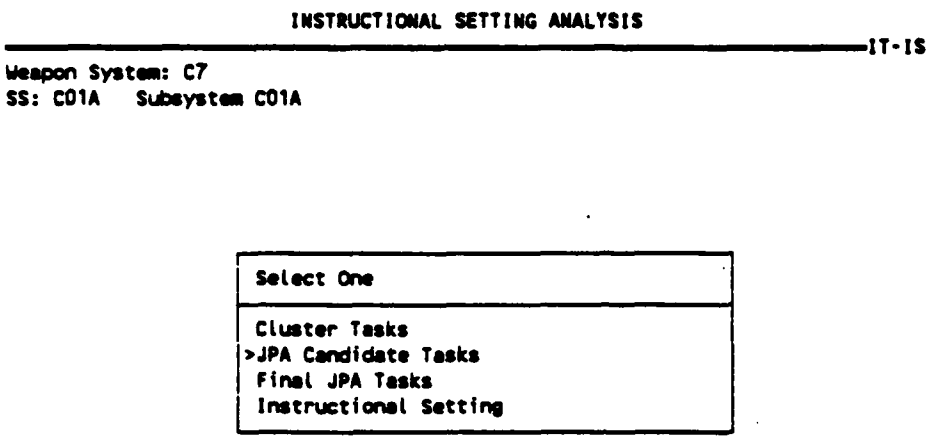
- Select **Instructional Setting** and press **<Enter>**.

5.2.2.1 Cluster Tasks

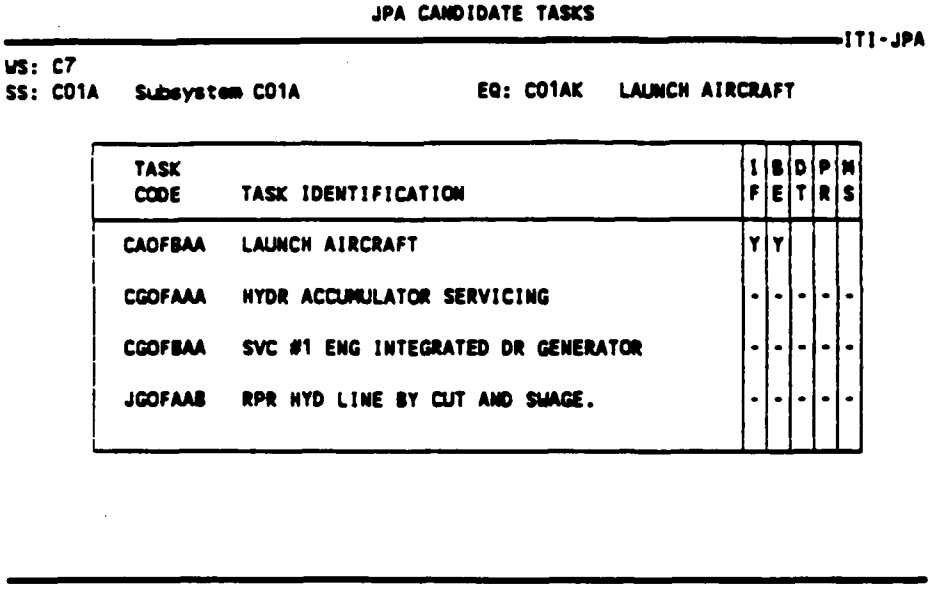
This process is not in Version 2.0

5.2.2.2 JPA Candidate Tasks

For each task that you have been designated a Task Lead Analyst you will answer a series of questions to determine whether or not the task is a potential JPA candidate.



- Select **JPA Candidate Tasks** and press **<Enter>**.



To Analyze a Task for Potential JPA Requirements:

- Select **Analyze** from the menu banner and press **<Enter>**.
- Cursor to the task you want to analyze and press **<Enter>**. The system prompts with questions at the bottom of the screen. Each question corresponds to an item, highlighted in yellow, in the matrix to the far right of the screen.
- Each question must be answered either "Yes" or "No" (Y or N). A dash (-) indicates that the question has not yet been answered. A "Yes" answer will show as a "Y" in the matrix, a "No" answer will show as a blank in the matrix.
- You can insert a comment/rationale for your analysis by pressing **<F4>**. You can have up to 5 lines of text per task.
- Press **<Esc>** to return to the menu banner.

To Erase JPA Requirements Analysis:

- Select **Erase** and press **<Enter>**.
- Cursor to the task you want to erase and press **<Enter>**.

To Save Work:

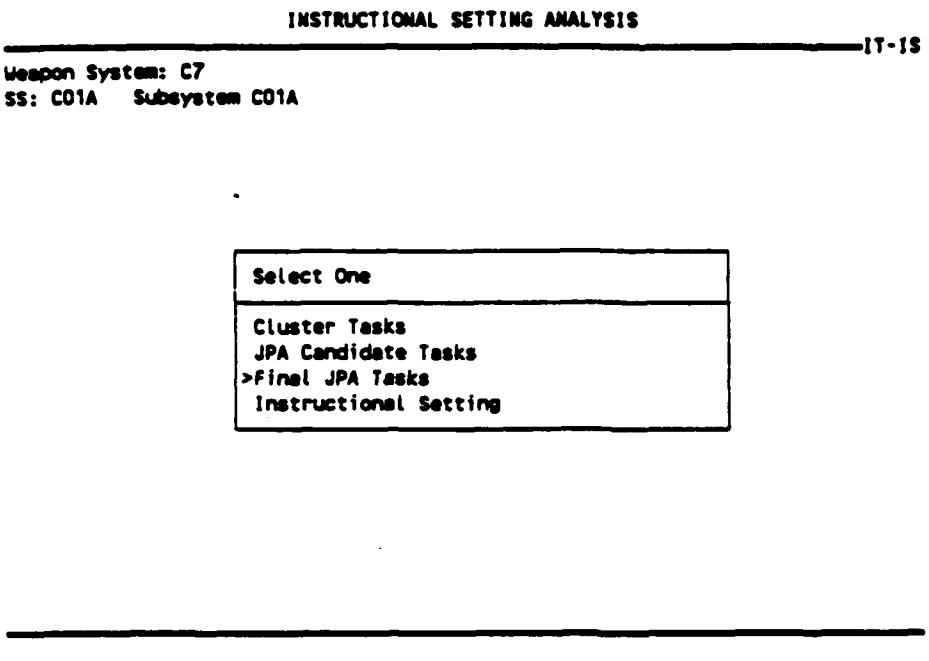
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Task Lead Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

5.2.2.3 Final JPA Tasks

After the potential JPA task candidate list has been sent to the appropriate agency you will receive a list of accepted JPA tasks. This process allows you to record the agencies JPA tasks and determine whether or not the task can be exclusively taught by using a JPA.



- Select **Final JPA Tasks** and press **<Enter>**.

FINAL JPA DETERMINATION

ITI-FJPA

WS: C7
SS: C01A Subsystem C01A EQ: C01A6 SVC INTEG DRIVE GEN

TASK CODE	JPA CANDIDATE TASKS	R E	E X
CGOFAAA	HYDR ACCUMULATOR SERVICING	Y	-

Analyze Erase Save Quit
Analyze tasks to determine an exclusive JPA requirement

To Analyze a Task for an Exclusive JPA Requirement:

- Select **Analyze** from the menu banner and press **<Enter>**.
- Cursor to the task you want to analyze and press **<Enter>**. The system prompts with questions at the bottom of the screen. Each question corresponds to an item, highlighted in yellow, in the matrix to the far right of the screen.
- Each question must be answered either "Yes" or "No" (Y or N). A dash (-) indicates that the question has not yet been answered. A "Yes" answer will show as a "Y" in the matrix, a "No" answer will show as a blank in the matrix.
- You can insert a comment/rationale by pressing **<F4>**. Fill in the JPA Responsible Agency and JPA Name. You then have 2 lines ti insert a comment.
- Press **<Esc>** to return to the menu banner.

To Erase Exclusive JPA Requirements Analysis:

- Select **Erase** and press **<Enter>**.
- Cursor to the task you want to erase and press **<Enter>**.

To Save Work:

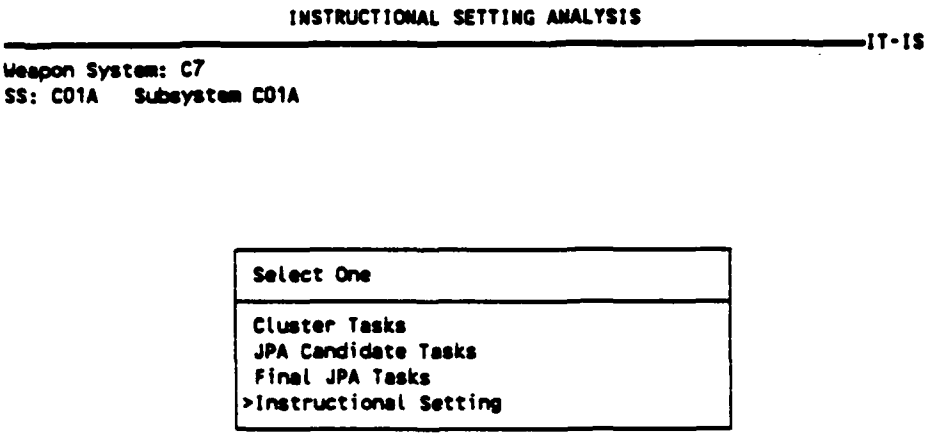
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Task Lead Menu:

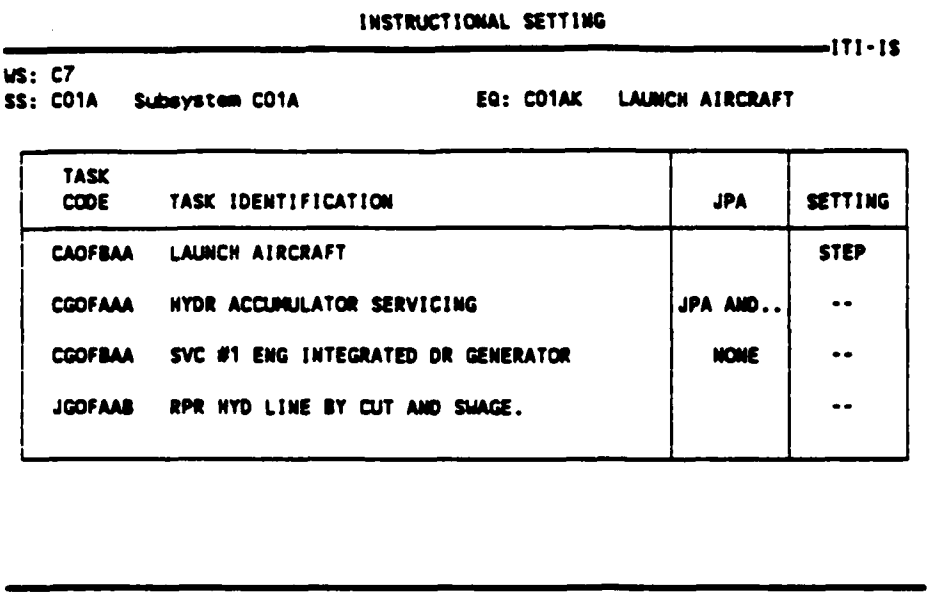
- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

5.2.2.4 Instructional Setting

For all tasks that were not identified as JPA candidates and for those tasks that are JPA tasks, but cannot be taught exclusively using the JPA,you will identify an instructional setting.



- Select **Instructional Setting** and press **<Enter>**.



To Analyze a Task for Instructional Setting:

- Select **Analyze** from the menu banner and press **<Enter>**.
- Cursor to the task you want to analyze and press **<Enter>**. The system prompts with questions at the bottom of the screen. Each question corresponds to an item, highlighted in yellow, in the matrix to the far right of the screen.
- Each question must be answered either "Yes" or "No" (Y or N). A dash (-) indicates that the question has not yet been answered. A "Yes" answer will show as a "Y" in the matrix, a "No" answer will show as a blank in the matrix.
- You can insert a comment/rationale for your analysis by pressing **<F4>**. You can have up to 5 lines of text per task.
- Press **<Esc>** to return to the menu banner.

To Erase Task Instructional Setting Analysis:

- Select **Erase** and press **<Enter>**.
- Cursor to the task you want to erase and press **<Enter>**.

To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Task Lead Analyst Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

5.2.3 Conditions, Cues, and Standards

This process is not included in Version 2.0.

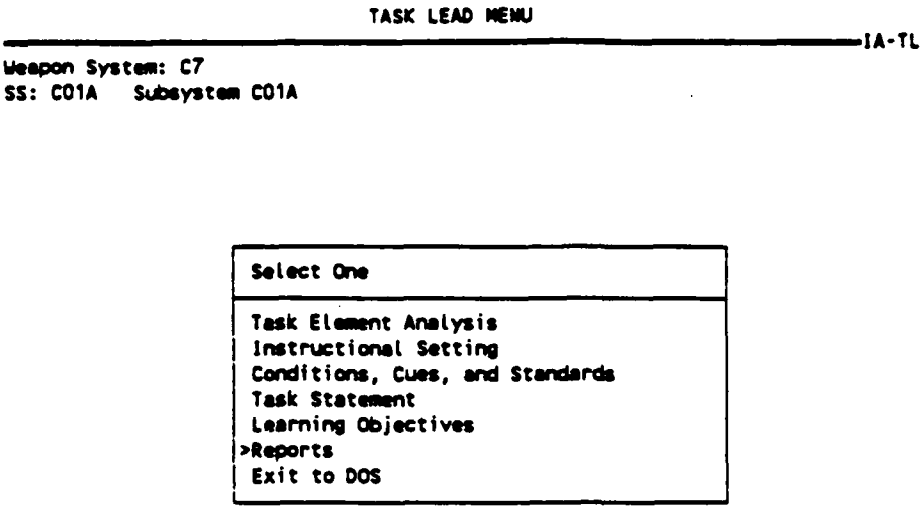
5.2.4 Task Statement

This process is not included in Version 2.0.

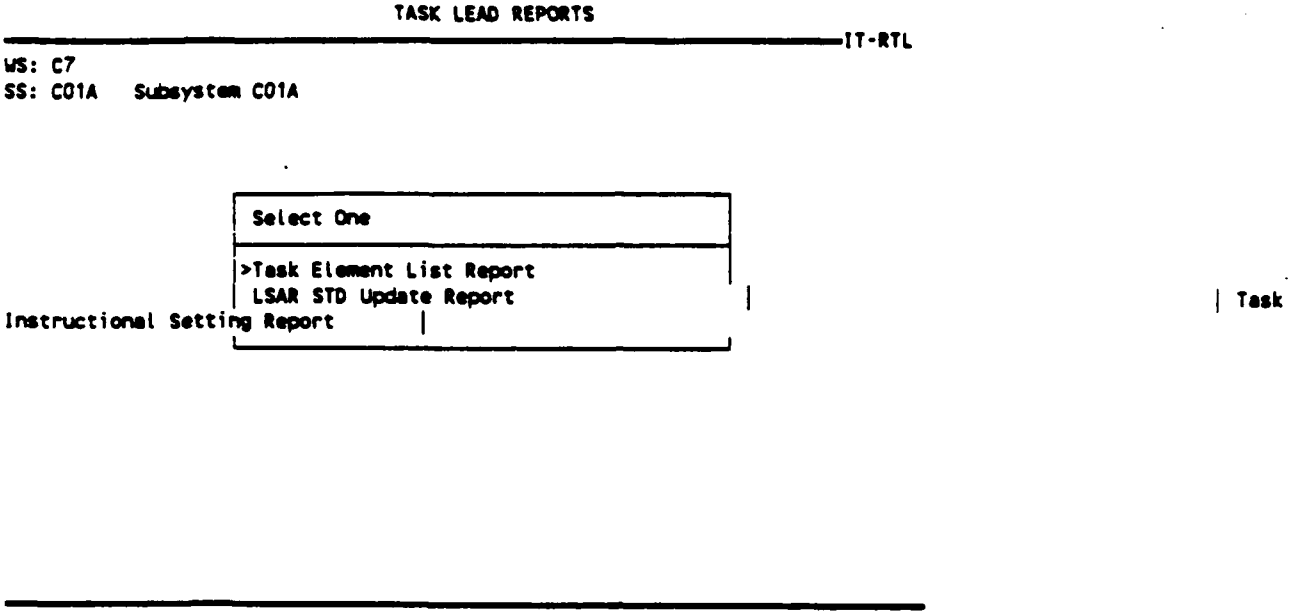
5.2.5 Learning Objectives

This process is not included in Version 2.0.

5.2.6 Task Lead Reports



- Select **Reports** and press **<Enter>**.



- Select the type of report you want to generate and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or to a file.
- Select the task you want and press **<Enter>**.

5.2.6.1 Task Element List Report

TASK ELEMENT REPORT

ITR-TEL

Weapon System: C7 Date: 10-26-89 Page: 1
Subsystem: C01a Subsystem C01A Equipment: SVC INTEG DRIVE GEN
Task: SVC #1 ENG INTEGRATED DR GENERATOR

No.	ISD TASK ELEMENT DESCRIPTIONS
001	A. NOTE: PREPARE TO SERVICE NUMBER ONE ENGINE INTEGRATED DRIVE GENERATOR. S/SYSTEM 24-10, GENERATOR
002	OTE: PREPARE TO SERVICE NUMBER ONE ENGINE INTEGRATED DRIVE GENERATOR. S/SYSTEM 24-10, GENERATOR
003	SYSTEM, DATED 8 JAN 87, NO REVISIONS, AND VOLUME FOUR, DATED 8 JUN 87, PAGE 1-324, NO REVISIONS.

- End of List -

<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

5.2.6.2 LSAR STD Update Report

This report is not in Version 2.0.

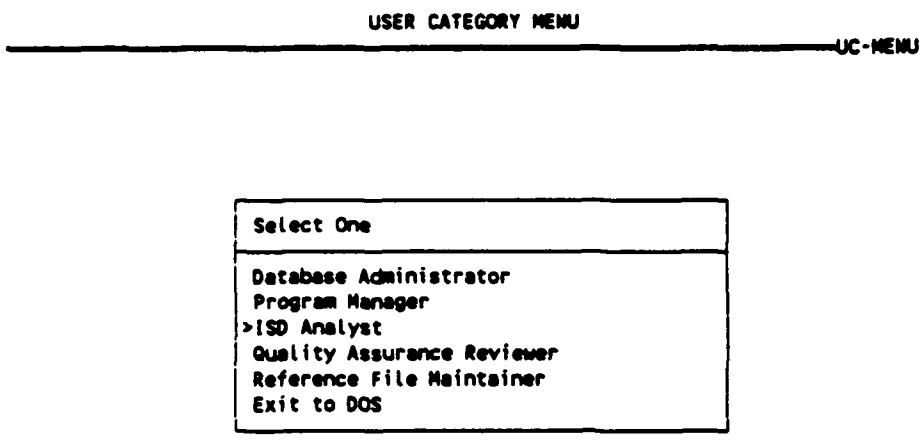
5.2.6.3 Task Instructional Setting Report

REPORT

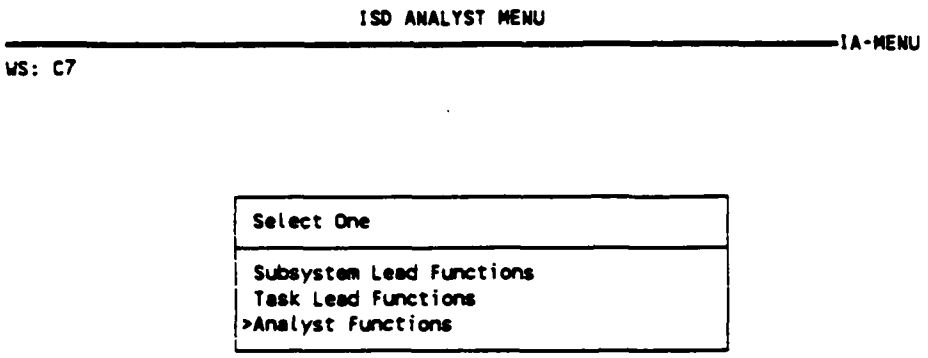
5.3 ANALYST FUNCTIONS

You will prepare skill specialty-specific subsystem, task, and task element lists for use in further ISD analysis steps. These lists are prepared using the subsystem, task, and task element lists previously created by the Program Manager, Subsystem Lead, and Task Lead. You will then identify task elements containing potential training requirements, and identify skills and knowledges for each task element and the task as a whole. You will evaluate each skill/knowledge for training requirements and assign the skill/knowledge to a medium.

To Access the Analyst Area:



- Select **ISD Analyst** and press **<Enter>**.

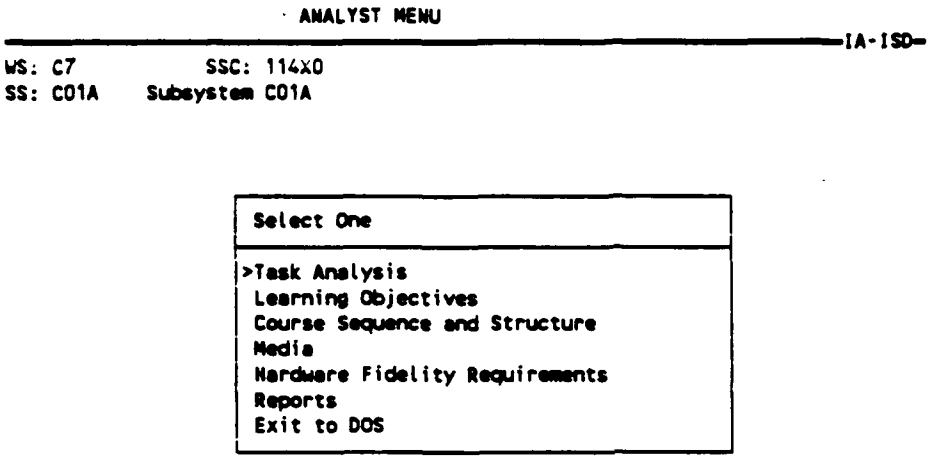


- Select **Analyst Functions** and press **<Enter>**.

- Cursor to the SSC you wish to use in subsequent analyses and press **<Enter>**. If you are assigned only one SSC, the system will automatically choose the SSC for you.

- Cursor to the subsystem you wish to work on and press **<Enter>**. If you have not created a skill specialty-specific subsystem list for the skill specialty you have chosen, you will be prompted to do so before you can continue. Instructions for creating this subsystem list is in paragraph 5.3.1.1.

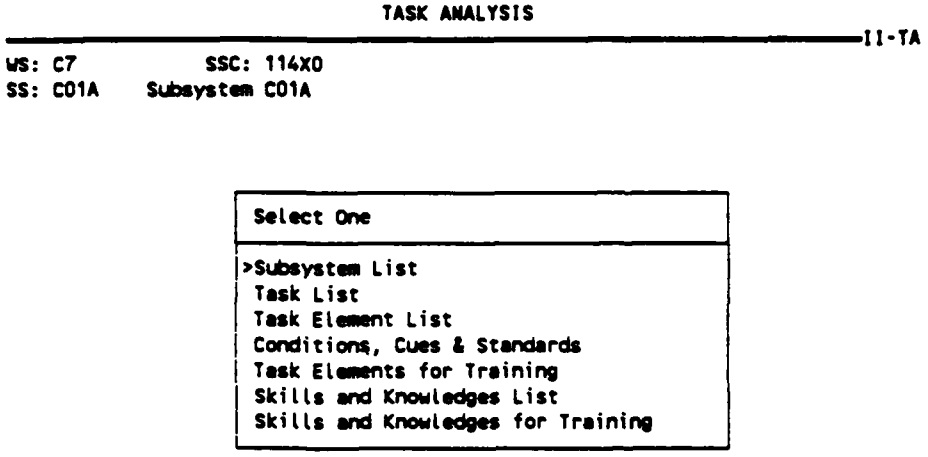
5.3.1 Task Analysis



- Select **Task Analysis** and press **<Enter>**.

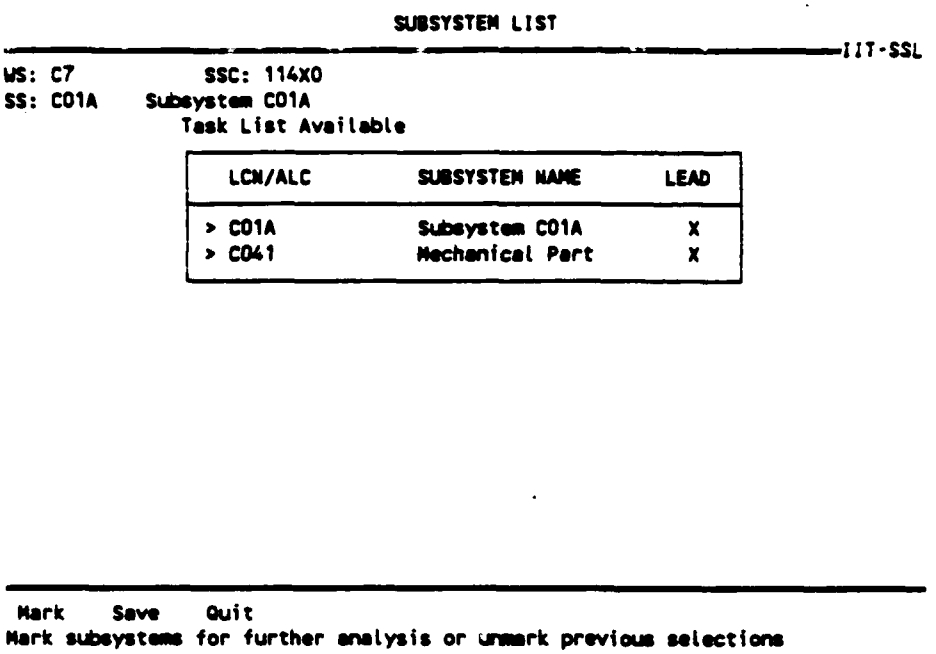
5.3.1.1 Subsystem List

As IA, you will create a skill specialty-specific subsystem list for use in further ISD analysis steps by selecting the subsystems from the subsystem list previously created by the Program Manager (PM).



- Select **Subsystem List** and press **<Enter>**.

If you are the Subsystem Lead Analyst for a subsystem, an **X** is placed under the Lead column for that subsystem, as shown below.



To Mark Subsystems for Further Analysis:

- Select **Mark** from the menu banner and press **<Enter>**.
- Cursor to the subsystem you want to mark for further analysis and press **<Enter>**. You can make multiple selections if you desire. If a task list has been created for the highlighted subsystem you can view the list by pressing **<F3>**.
- You can also remove a selection by moving the cursor over a previously selected subsystem and pressing **<Enter>**. The cursor caret (>) will be removed.

To Save Work:

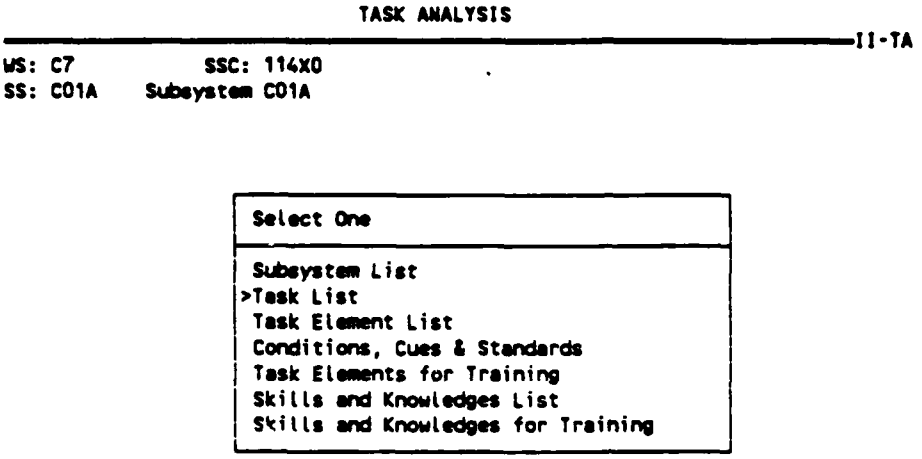
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Analyst Menu:

- Select Quit from the menu banner and press <Enter>. You will be prompted to save your work if you have not done so.

5.3.1.2 Task List

As an analyst, you will create a skill specialty-specific task list for each subsystem you selected in the previous process by selecting tasks from the list previously prepared by the Subsystem Lead Analyst.



- Select **Task List** and press **<Enter>**.

If you are the Task Lead Analyst for a task, an **X** is placed in the Lead column for that task, as shown. An **X** in the LSAR SSC column indicates that LSAR has assigned your SSC to part or all of the task.

```
                                TASK LIST
                                                                    IIT-TL
WS: C7          SSC: 114X0
SS: C01A   Subsystem C01A

                TASK                                                LSAR
LCN/ALC         CODE    TASK IDENTIFICATION                  LEAD   SSC
> C01A6         CGOFBAA SVC #1 ENG INTEGRATED DR GENERATOR    X
  C01AA         OGOFBAA ENGINE RUNUP FOR MAINTENANCE
  C01AK         CAOFBAA LAUNCH AIRCRAFT                       X
  C01AL         CGOFBAA NLG STRUT SERVICING
more

 Mark    Save.   Quit
Mark tasks for further analysis or unmark previous selections
```

To Mark Tasks for Further Analysis:

- Select **Mark** from the menu banner and press **<Enter>**.
- Cursor to the task you want to mark for further analysis and press **<Enter>**. You can make multiple selections if you desire.
- You can also remove a selection by moving the cursor over a previously selected task and pressing **<Enter>**. The cursor caret (>) will be removed.
- Press **<Esc>** to return to the menu banner.

To Save Work:

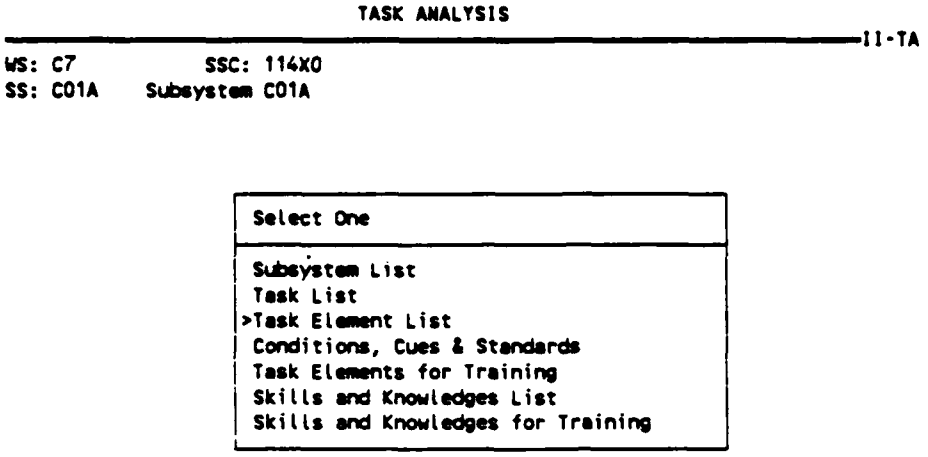
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Analyst Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

5.3.1.3 Task Element List

As an analyst, you will create a skill specialty-specific task element list for each task by selecting task elements from the list previously prepared by the Task Lead Analyst.



- Select **Task Element List** and press **<Enter>**.
- Cursor to the task you wish to create a task element list for and press **<Enter>**.

An **X** in the LSAR SSC column indicates that LSAR has assigned your SSC to the task element.

```
                              TASK ELEMENT LIST
                                                                        IIT-TE
WS: C7          SSC: 114X0
SS: C01A   Subsystem C01A              EQ: C01A6   SVC INTEG DRIVE GEN
TASK: CGOFBAA   SVC #1 ENG INTEGRATED DR GENERATOR
```

No.	ISD TASK ELEMENT DESCRIPTIONS	LSAR SSC
001	REVIEW AFTO 781 SERIES FORMS.	
002	OPEN ENGINE ACCESSORY COMPARTMENT DOOR.	
003	SERVICE NUMBER ONE ENGINE INTEGRATED DRIVE GENERATOR (REF DES 2421...TBD).	
004	REMOVE SAFETY WIRE (PN.....TBD) FROM OVERFLOW PLUG	

```
 Mark    All    Save    Quit
Mark task elements for further analysis or unmark previous selections
```

To Mark Task Elements for Further Analysis:

- Select **Mark** from the menu banner and press **<Enter>**.
- Cursor to the task element you want to mark for further analysis and press **<Enter>**. You can make multiple selections if you desire.
- You can also remove a selection by moving the cursor over a previously selected task element and pressing **<Enter>**. The cursor caret (>) will be removed.
- Press **<Esc>** to return to the menu banner.

To Mark All Task Elements for Further Analysis:

- Select **All** and press **<Enter>**. This will mark all the task elements contained in selected task.

To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Analyst Menu:

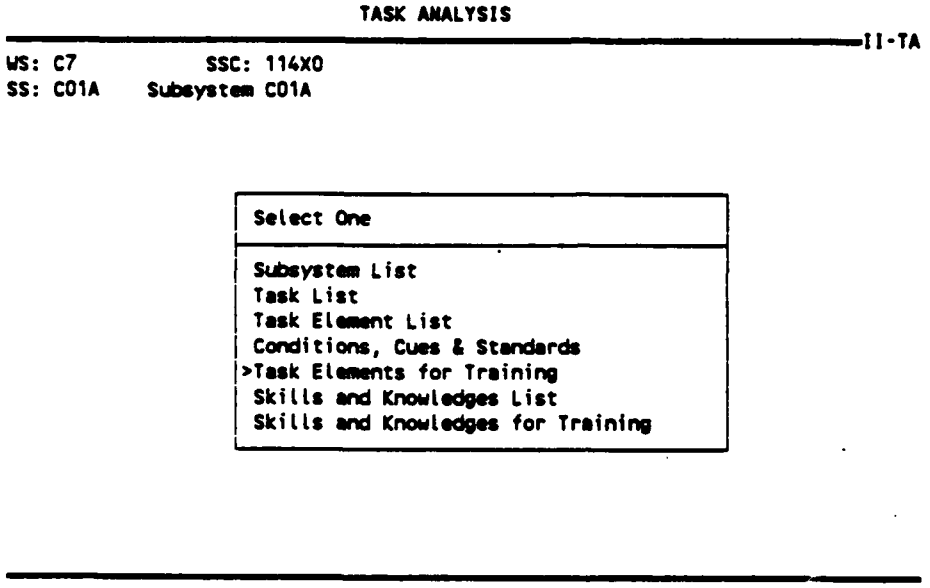
- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

5.3.1.4 Conditions, Cues, and Standards

This process is not included in Version 2.0.

5.3.1.5 Task Elements for Training

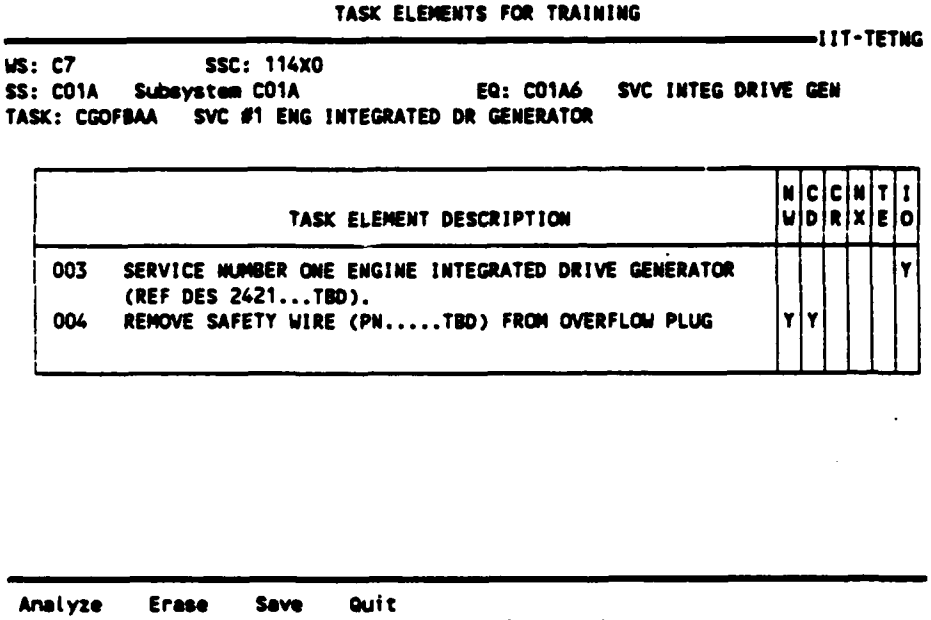
As an analyst, you will identify task elements that contain potential training requirements. The 3306th Test and Evaluation (TES) task element selection model will prompt you for Yes/No answers to a series of questions concerning the training requirements of the task element. A "Yes" answer to any of the questions indicates that the task element contains a potential training requirement.



- Select **Task Elements for Training** and press **<Enter>**.
- Cursor to the task to perform task elements for training on and press **<Enter>**.

This screen is used to analyze task elements for potential training requirements.

The analyze option allows you to answer questions about each task element. A "Yes" answer to any question indicates that the task element contains a potential training requirement. However, a "No" answer to all questions indicates that the task element does not contain a training requirement but is integrated into the training program.



To Analyze a Task Element:

- Select **Analyze** from the menu banner and press **<Enter>**.
- Cursor to the task element you want to analyze and press **<Enter>**. The system prompts with questions at the bottom of the screen. Each question corresponds to an item, highlighted in yellow, in the matrix to the far right of the screen.

- Each question must be answered either "Yes" or "No" (Y or N). A dash (-) indicates that the question has not yet been answered. A "Yes" answer will show as a "Y" in the matrix; however, a "No" answer will show as a blank in the matrix. If all questions are answered "No", the "Y" will appear in the IO (integrate only) column.

- You can insert a comment/rationale for your analysis by pressing **<F4>**. You can have up to 5 lines of text per task element.

- Press **<Esc>** to return to the menu banner.

To Erase a Task Element Analysis:

- Select **Erase** and press **<Enter>**.

- Cursor to the task element you want to erase and press **<Enter>**.

- Press **<Esc>** to return to the menu banner.

To Save Work:

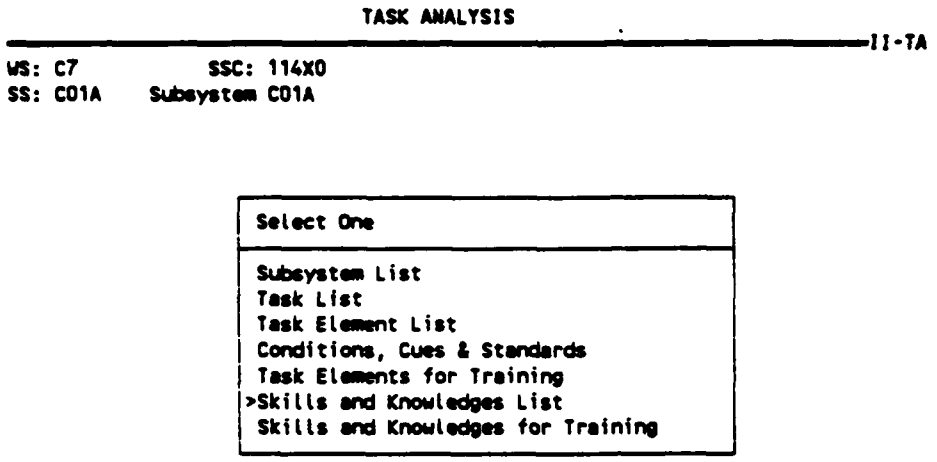
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Analyst Menu:

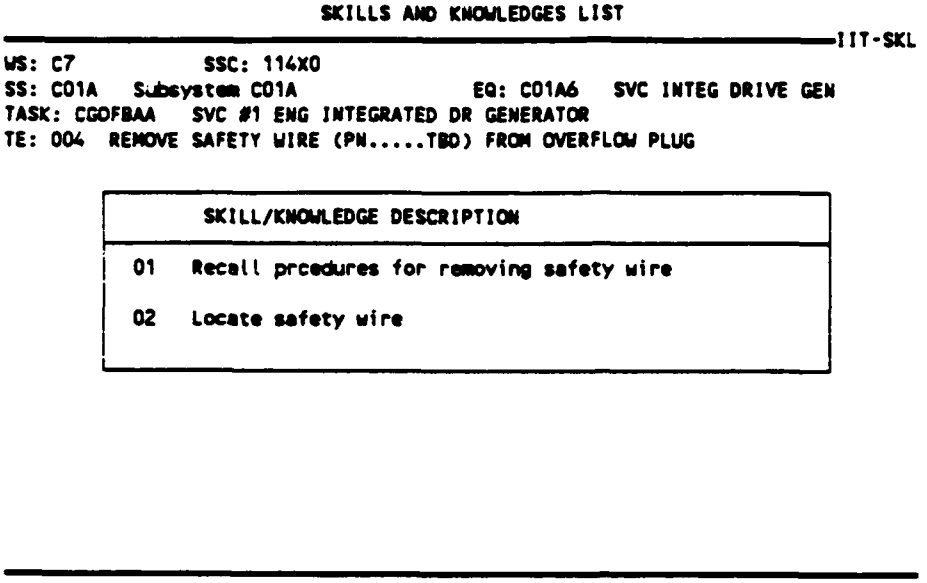
- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

5.3.1.6 Skills and Knowledges List

As IA, you will identify skills and knowledges requirements for each task element previously identified as containing a potential training requirement. Once this step has been accomplished, additional skills and knowledges requirements may be identified for the task as a whole. You can insert and subsequently modify and delete from this list until completion.



- Select **Skills and Knowledges List** and press **<Enter>**.
- Cursor to the task you want and press **<Enter>**.
- Cursor to the task element you want to create a skill and knowledge list for and press **<Enter>**.
- Select "Skills and Knowledges at Task Level" to identify those skills and knowledges associated with the task as a whole.



To Insert Skills and Knowledges Information:

- Select **Insert** from the menu banner and press **<Enter>**.
- Use the up and down arrow keys to locate where you want the skills and knowledges information to be inserted and press **<Enter>**.
- Enter the desired skills and knowledges information and press **<Enter>**. This field can be 108 characters long. The system generates the sequential skill/knowledge number. You can insert as many skills/knowledges as you desire.
- Press **<Esc>** to return to the menu banner.

To Modify Skills and Knowledges Information:

- Select **Modify** from the menu banner and press **<Enter>**.
- Cursor to the skill and knowledge you want to modify and press **<Enter>**. The default mode is overstrike. You can change to insert mode by pressing the **<Ins>** key. After you are finished modifying the skill and knowledge you have selected press **<Esc>**.
- Press **<Esc>** to return to the menu banner.

To Delete Skills and Knowledges Information:

- Select **Delete** from the menu banner and press **<Enter>**.
- Cursor to the skill and knowledge you want to delete and press **<Enter>**. Select as many skills and knowledges as you desire. The selected skills and knowledges information will turn gray, but will not be removed from the list until you select **Save** from the menu banner.
- Press **<Esc>** to return to the menu banner.

To Resequence Skills and Knowledges Information:

- Select **Resequence** from the menu banner.
- Cursor to the skill/knowledge you wish to move and press **<Enter>**.
- Use the up and down arrow keys to move the skill/knowledge to the desired location and press **<Enter>**. The sequential number is reassigned automatically.
- Press **<Esc>** to return to the menu banner.

To Save Work:

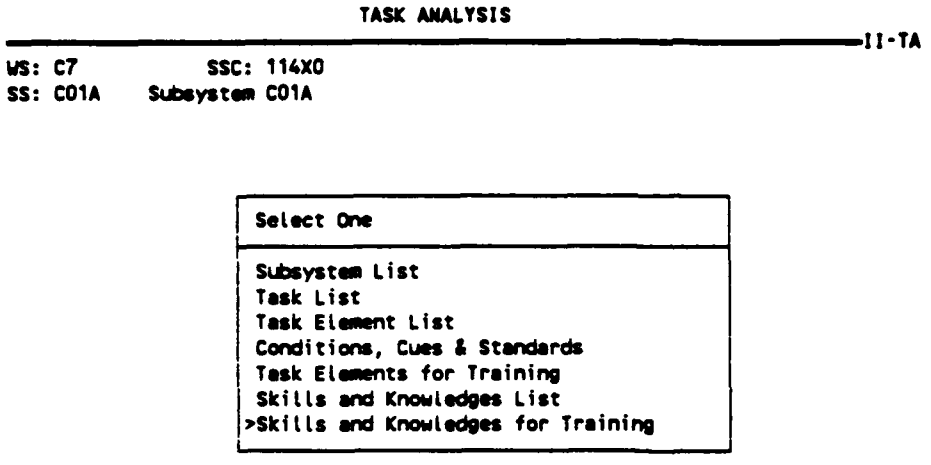
- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Analyst Menu:

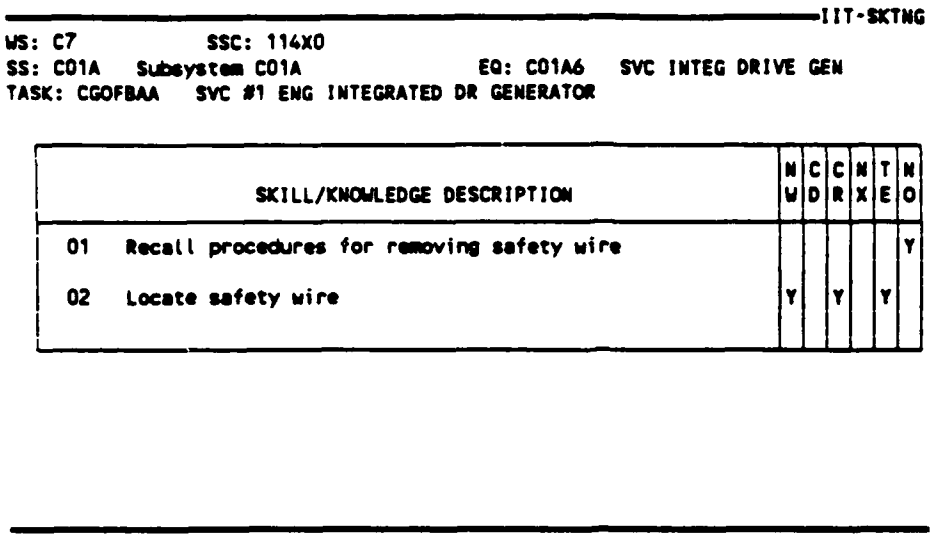
- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

5.3.1.7 Skills and Knowledges for Training

As an analyst, you will identify skills and knowledges that must be included in the training program. Candidate skills and knowledges include only those associated with task elements previously identified as containing potential training requirements.



- Select **Skills and Knowledges for Training** and press **<Enter>**.
- Cursor to the task you want and press **<Enter>**.
- Cursor to the task element you want and press **<Enter>**.
- Select **Skills and Knowledges at Task Level** to identify training requirements for those skills and knowledges associated with the task as a whole.



To Analyze a Skill/Knowledge:

- Select **Analyze** from the menu banner and press **<Enter>**.
- Select the skill and knowledge you wish to analyze and press **<Enter>**. The system prompts you with questions at the bottom of the screen. Each question corresponds to an item, highlighted in yellow, in the matrix to the far right of the screen.
- Each question must be answered either "Yes" or "No" (Y or N). A dash (-) indicates that the question has not yet been answered. A "Yes" answer will show as a "Y" in the matrix; however, a "No" answer will show as a blank in the matrix. If all questions are answered "No", the "Y" will appear in the NO (no training necessary) column.
- You can insert a comment/rationale for your analysis by pressing **<F4>**. You can have up to 5 lines of text per task element.
- LSAR task information may be viewed at the appropriate times of the analysis by pressing the **<F2>** key. LSAR task information, if available, varies for each question.
- Press **<Esc>** to return to the menu banner.

To Erase a Skill/Knowledge Analysis:

- Select **Erase** and press **<Enter>**.
- Cursor to the skill/knowledge you want to erase and press **<Enter>**. All previous answers to the questions will be erased for the highlighted skill/knowledge.
- Press **<Esc>** to return to the menu banner.

To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

To Return to Analyst Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

5.3.2 Learning Objectives

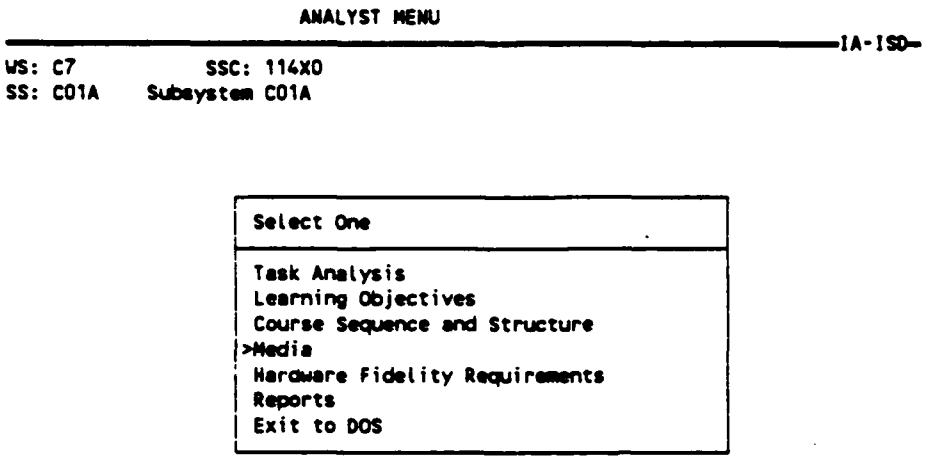
This process is not included in Version 2.0.

5.3.3 Course Sequence and Structure

This process is not included in Version 2.0.

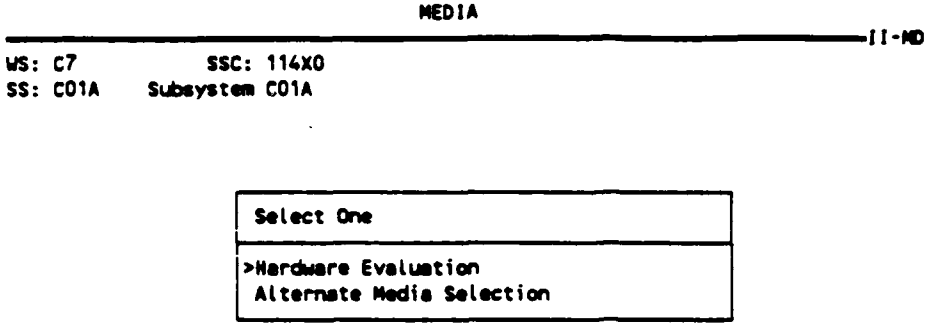
5.3.4 Media

As an analyst, you will perform this process only for those skills and knowledges previously selected for training. This process is broken down into two parts: (1) Hardware Evaluation and (2) Alternate Media Selection. Hardware evaluation examines each skill and knowledge to determine if practice on hardware is required. Alternate media selection assigns those skills and knowledges not requiring practice on hardware to an alternate medium.

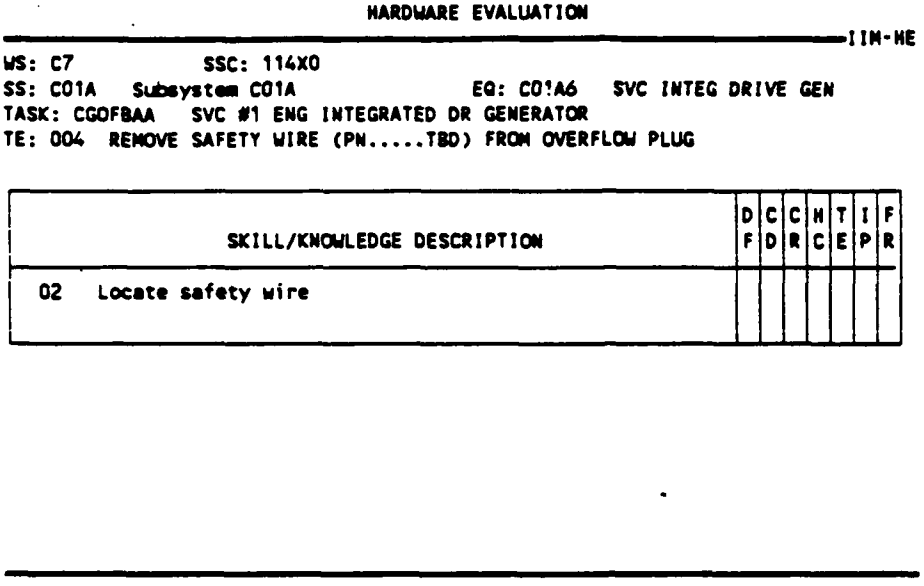


- Select **Media** and press **<Enter>**.

5.3.4.1 Hardware Evaluation



- Select **Hardware Evaluation** and press **<Enter>**.
- Cursor to the task you want and press **<Enter>**.
- Cursor to the task element you want and press **<Enter>**.
- Select **Skills and Knowledges at Task Level** to perform hardware evaluation on skills and knowledges associated with the task as a whole.



To Analyze Skills and Knowledges for Hardware Requirement:

- Select **Analyze** from the menu banner and press **<Enter>**.
- Cursor to the desired skill/knowledge and press **<Enter>**. The system prompts you with questions at the bottom of the screen. Each question corresponds to items, highlighted in yellow, in the matrix to the far right of the screen.
- Each question must be answered either "Yes" or "No" (Y or N). A dash (-) indicates that the question has not yet been answered. A "Yes" answer will show as a "Y" in the matrix; however, a "No" answer will show as a blank in the matrix. A "Yes" answer to any question indicates that the skill or knowledge requires practice on hardware.
- You can insert a comment/rationale for your analysis by pressing **<F4>**. You can have up to 5 lines of text per task element.
- Press **<Esc>** to return to the menu banner.

To Erase a Hardware Evaluation Analysis:

- Select **Erase** and press **<Enter>**.
- Cursor to the skill/knowledge you want to erase and press **<Enter>**.

- Press **<Esc>** to return to the menu banner.

To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

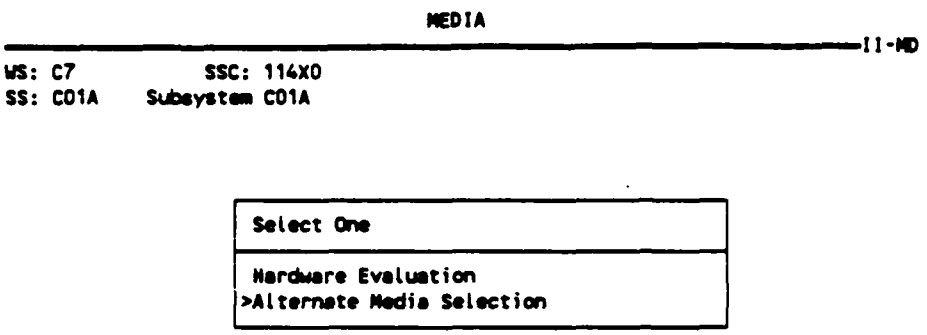
To Return to Analyst Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

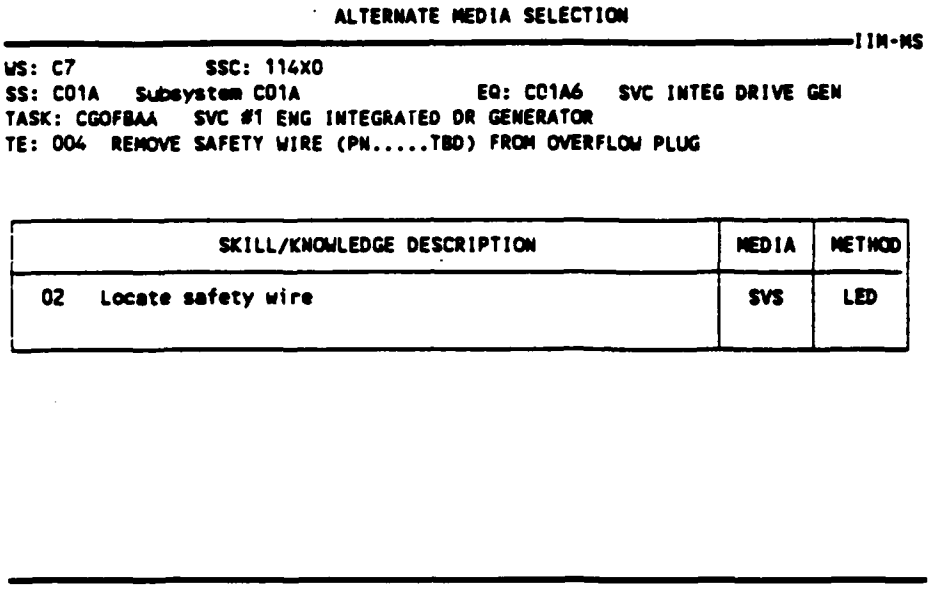
To Perform Alternate Media Selection on the Current S/Ks:

- Press **<Esc>**. You will be prompted to save your work if you have not done so.
- Answer "Yes" to the question, Do you wish to perform alternate media selection for the current skills and knowledges?

5.3.4.2 Alternate Media Selection



- Select **Alternate Media Selection** and press **<Enter>**.
- Cursor to the task you want and press **<Enter>**.
- Cursor to the task element you want and press **<Enter>** or select **Skills and Knowledges at Task Level** to perform alternate media selection on skills and knowledges associated with the task as a whole.



To Analyze Skills and Knowledges to Determine Alternate Media:

- Select **Analyze** from the menu banner and press **<Enter>**.
- Select the task element you want to identify alternate media for and press **<Enter>**.
- The system prompts you with questions at the bottom of the screen. Each question corresponds to an item, highlighted in yellow, in the matrix to the far right of the screen. Each question must be answered either "Yes" or "No" (Y or N). The answers to these questions determine which medium and method is placed in the appropriate fields to the right of the skill/knowledge.
- Press **<Esc>** to return to the menu banner.

To Choose Alternate Media/Method Directly:

- Select **Choose** from the menu banner and press **<Enter>**.
- Cursor to the skill/knowledge you wish to select an alternate Media for and press **<Enter>**.
- A list of media classes appears. Cursor to the media class you want and press **<Enter>**. A method list is presented with the default method automatically highlighted for you. You can select the default or cursor to the method you desire.

To Erase Alternate Media Selection:

- Select **Erase** and press **<Enter>**.
- Cursor to the skill/knowledge you want to erase and press **<Enter>**.
- Press **<Esc>** to return to the menu banner.

To Save Work:

- Select **Save** from the menu banner at any time to save all work and press **<Enter>**.

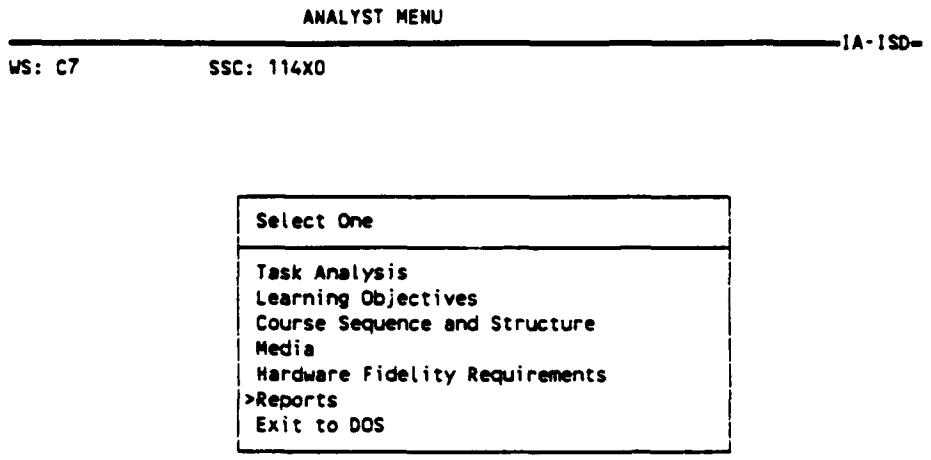
To Return to Analyst Menu:

- Select **Quit** from the menu banner and press **<Enter>**. You will be prompted to save your work if you have not done so.

5.3.5 Hardware Fidelity Requirements

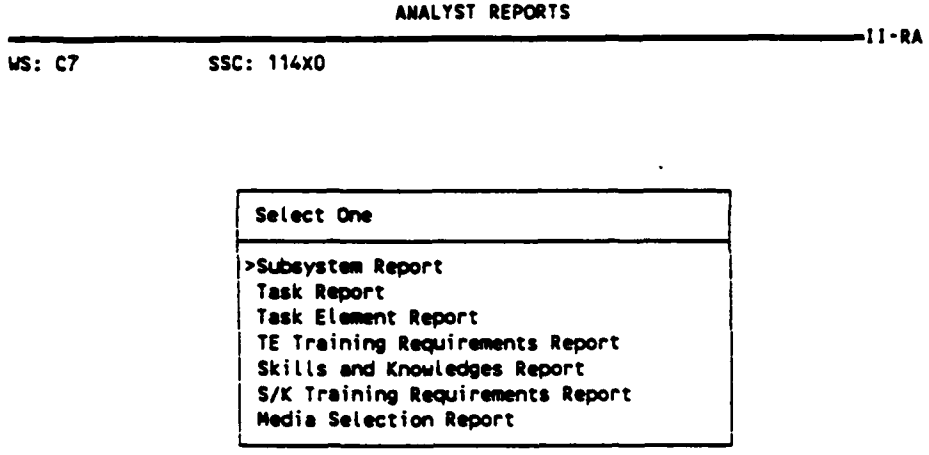
This process is not included in Version 2.0.

5.3.6 Reports



- Select **Reports** and press **<Enter>**.

5.3.6.1 Subsystem Report



- Select **Subsystem Report** and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or to a file.

SSC SPECIFIC SUBSYSTEM REPORT

IIR-SSL

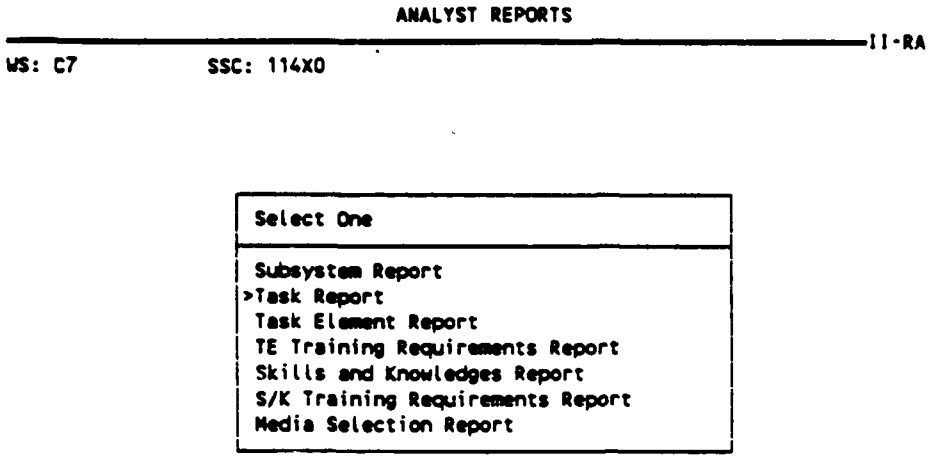
Weapon System: C7 SSC: 114X0 Date: 10-27-89
Page: 1

LCN/ALC	SUBSYSTEM
C01A	Subsystem C01A
C041	Mechanical Part

- End of List -

<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

5.3.6.2 Task Report



- Select **Task Report** and press **<Enter>**.
- Select the subsystem you want and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or to a file.
- Select the task you want and press **<Enter>**.

SSC SPECIFIC TASK REPORT

IIR-TL

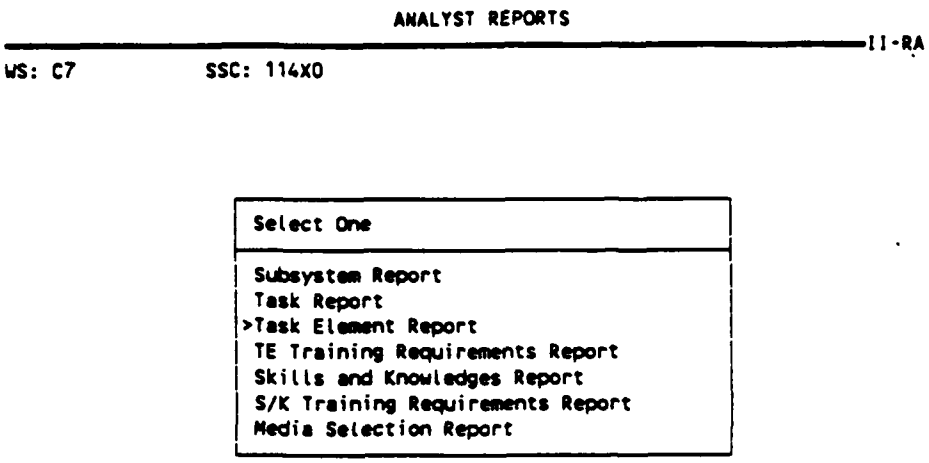
Weapon System: C7 SSC: 114X0 Date: 10-27-89 Page: 1
Subsystem: Subsystem C01A Equipment: SVC INTEG DRIVE GEN

Task Code	Task Identification
CGOFBAA	SVC #1 ENG INTEGRATED DR GENERATOR

- End of List -

<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

5.3.6.3 Task Element Report



- Select **Task Element Report** and press **<Enter>**.
- Select the subsystem you want and press **<Enter>**.
- Select the task you want and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or to a file.

SSC SPECIFIC TASK ELEMENT REPORT

IIR-TEL

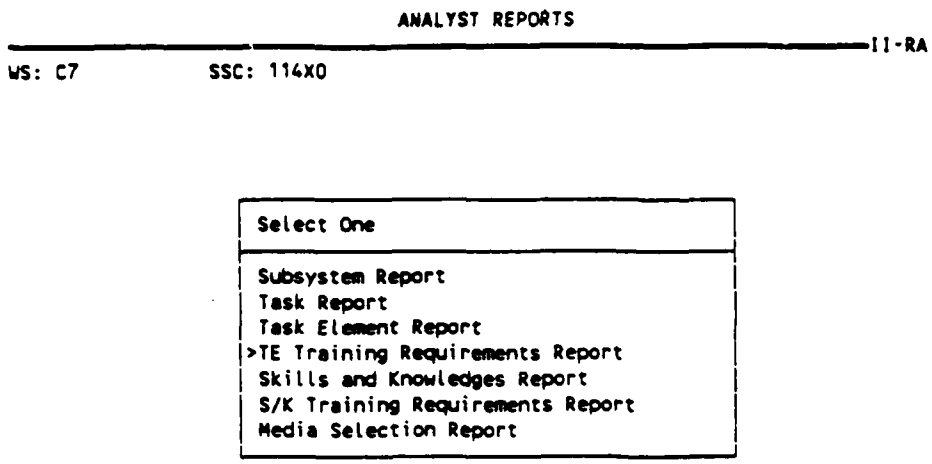
Weapon System: C7 SSC: 114X0 Date: 10-27-89 Page: 1
Subsystem: Subsystem C01A Equipment: SVC INTEG DRIVE GEN
Task: SVC #1 ENG INTEGRATED DR GENERATOR

TE number	Task Element
003	SERVICE NUMBER ONE ENGINE INTEGRATED DRIVE GENERATOR (REF DES 2421...TBD).
004	REMOVE SAFETY WIRE (PN.....TBD) FROM OVERFLOW PLUG

- End of List -

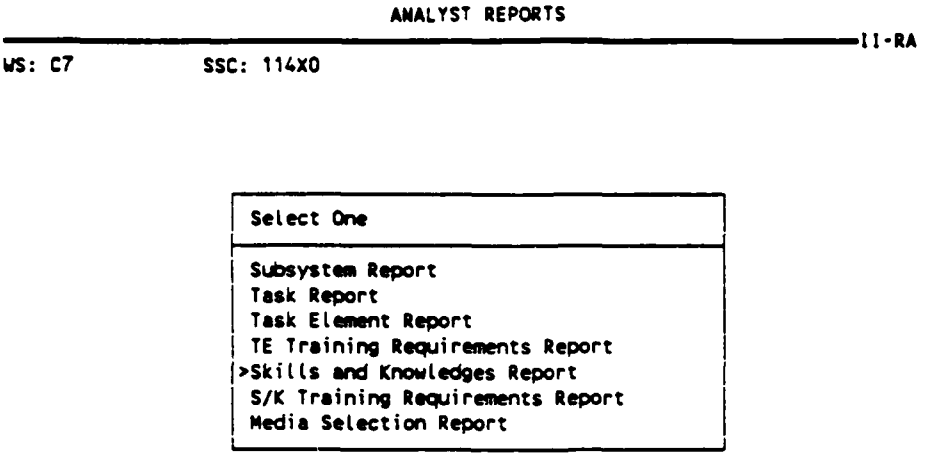
<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

5.3.6.4 TE Training Requirements Report



- Select **TE Training Requirements Report** and press **<Enter>**.
- Select the subsystem you want and press **<Enter>**.
- Select the task you want and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or to a file.

5.3.6.5 Skills and Knowledges Report



- Select **Skills and Knowledges Report** and press **<Enter>**.
- Select the subsystem you want and press **<Enter>**.
- Select the task you want and press **<Enter>**.
- Select the task element you want and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or to a file.

SKILLS AND KNOWLEDGES REPORT

IIR-SKL

Weapon System: C7 SSC: 114X0 Date: 10-27-89 Page: 1
Subsystem: Subsystem C01A Equipment: SVC INTEG DRIVE GEN
Task: SVC #1 ENG INTEGRATED DR GENERATOR

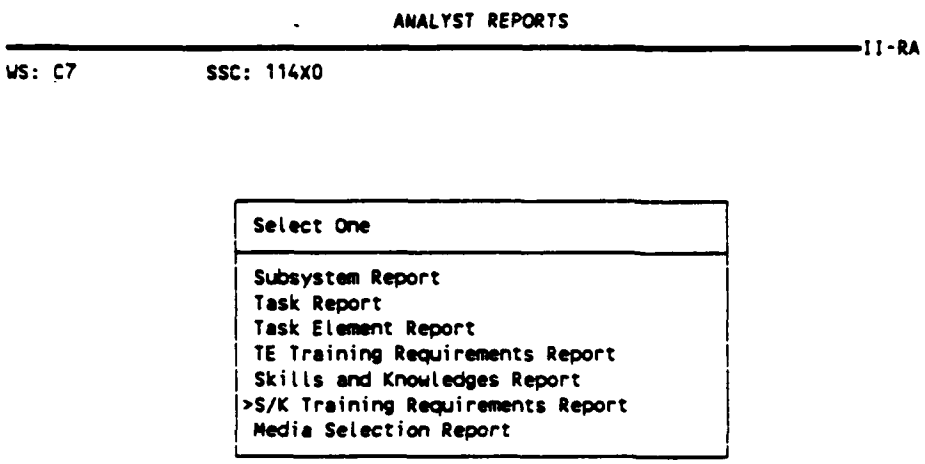
TE: 004 REMOVE SAFETY WIRE (PN.....TBD) FROM OVERFLOW PLUG

S/K NUMBER	SKILL/KNOWLEDGE IDENTIFICATION
01	Recall procedures for removing safety wire
02	Locate safety wire

- End of List -

<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

5.3.6.6 S/K Training Requirements Report



- Select **S/K Training Requirements Report** and press **<Enter>**.
- Select the subsystem you want and press **<Enter>**.
- Select the task you want and press **<Enter>**.
- Select the task element you want and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or to a file.

SKILL AND KNOWLEDGE REQUIREMENTS REPORT

IIR-SKTNG

Weapon System: C7 SSC: 114X0 Date: 10-27-89 Page: 1
Subsystem: Subsystem C01A Equipment: SVC INTEG DRIVE GEN
Task: SVC #1 ENG INTEGRATED DR GENERATOR

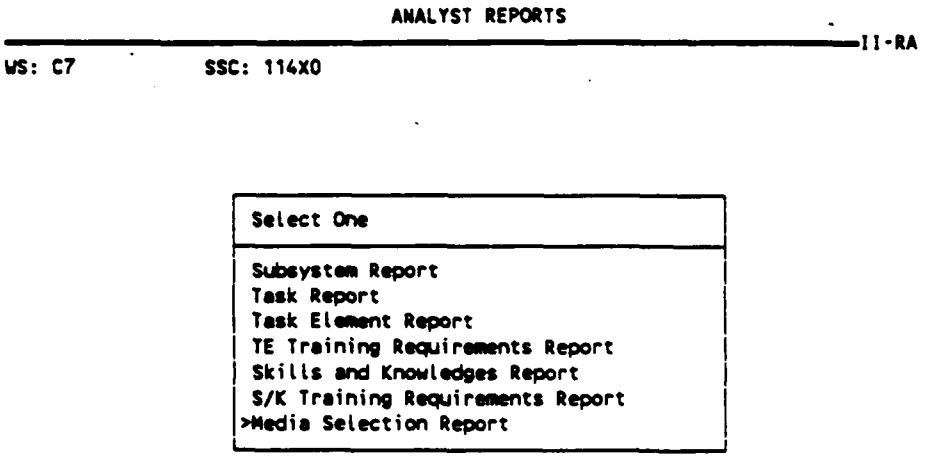
TE: 004 REMOVE SAFETY WIRE (PN.....TBD) FROM OVERFLOW PLUG

SK NUMBER	SKILL/KNOWLEDGE	NW	CD	CR	NX	TE	NO
01	Recall procedures for removing safety wire						X
02	Locate safety wire	X		X		X	

- End of List -

<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

5.3.6.7 Media Selection Report



- Select **Media Selection Report** and press **<Enter>**.
- Select the subsystem you want and press **<Enter>**.
- Select the task you want and press **<Enter>**.
- Select the task element you want and press **<Enter>**.
- Select whether you want the report to be sent to the screen, to a printer, or to a file.

MEDIA SELECTION REPORT

IIR-MS

Weapon System: C7 SSC: 114X0 Date: 10-27-89 Page: 1
Subsystem: Subsystem C01A Equipment: SVC INTEG DRIVE GEN
Task: SVC #1 ENG INTEGRATED DR GENERATOR

TE: 004 REMOVE SAFETY WIRE (PN.....TBD) FROM OVERFLOW PLUG

SKILL/KNOWLEDGE DESCRIPTIONS		MEDIA	METHOD
01	Recall procedures for removing safety wire	NONE	NONE
02	Locate safety wire	SVS	LED

- End of List -

<Alt-W> File <Alt-P> Print <PgDn> Next Pg <PgUp> Prev Pg <Home> Home <End> End

APPENDIX A

LIST OF ACRONYMS

ALC	Alternate Logistic Support Analysis Control Number
AUD	Audio
CAI	Computer Assisted Instruction
DA	Database Administrator
DPE	Demonstration/Performance
DSS	Decision Support System
EXH	Exhibits
IA	ISD Analyst
ISD	Instructional System Development
LCN	Logistic Support Analysis Control Number
LED	Lecture/Discussion
LSA	Logistic Support Analysis
LSAR	Logistic Support Analysis Record
PM	Program Manager
PRT	Print
QAR	Quality Assurance Reviewer
RFM	Reference File Maintainer
SMO	Sound/Moving Visual
SPP	Self-Paced/Programmed Discussion
SSC	Skill Specialty Code
SST	Sound/Still Visual
STD	Sequential Task Description
SVS	Still Visual
TE	Task Element
TES	Test and Evaluation
TRL	Traditional Lecture

APPENDIX B

COMMENT FORM

Instructions:

Use the attached form to make remarks, comments, or general observations about Version 2.0. For each specific problem encountered while running the program, enter the screen number the problem relates to (the screen number is in the upper right hand corner of the screen imbedded in the double line), as well as the exact combination of keys pressed immediately prior to the occurrence of the problem. Be as specific as possible when entering your remarks.

Mail all forms to:

Dynamics Research Corporation
100 Fordham Road
Wilmington, MA 01887
ATTN: 1-T1/Paula Awtry

Or FAX to:

Paula Awtry DRC (508) 658-4186

COMMENT FORM

Screen Number:

Key Sequence:

Remarks:

USER INFORMATION

Name: Date:
Address:
Telephone: