

# **OPERATIONS GUIDE FOR THE NASA EQUIPMENT MANAGEMENT SYSTEM (NEMS) INVENTORY SYSTEM**

Release 3.9

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National Aeronautics and  
Space Administration

**George C. Marshall Space Flight Center**  
Huntsville, AL 35812

OPERATIONS GUIDE FOR THE  
NEMS INVENTORY SYSTEM  
RELEASE 3.9

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1. GENERAL FRAMEWORK .....	1
1.1 PURPOSE .....	1
1.2 FEATURES OF THE SYSTEM.....	1
1.3 DATA BASE AND PROGRAMS .....	3
1.4 INVENTORY FILE ORGANIZATION .....	4
1.4.1 The Inventory Database.....	4
1.4.2 The Inventory File (NEMS-INVENTORY) .....	4
1.4.3 Bar Code File (NEMS-BAR-CODE) .....	5
1.4.4 Status File (NEMS-INV-STATUS).....	5
1.5 NAVIGATION .....	5
2. INVENTORY OPEN/CLOSE FUNCTION.....	6
2.1 INVENTORY OPEN.....	6
2.2 INVENTORY CLOSE.....	6
3. INVENTORY ACCOUNT/LOCATION ACTIVITY FUNCTION .....	6
3.1 ACCOUNT/LOCATION SELECT .....	6
3.2 ACCOUNT/LOCATION UPLOAD/DELETE .....	7
3.3 ACCOUNT/LOCATION PROCESS/CLOSE .....	9
4. INVENTORY STATUS FUNCTION.....	10
4.1 INVENTORY STATUS.....	10
5. INVENTORY TRANSACTIONS FUNCTION .....	28
5.1 INVENTORY TRANSACTIONS.....	28
5.2 INVENTORY ADD TRANSACTION.....	28
5.3 INVENTORY CHANGE TRANSACTIONS.....	29
5.4 INVENTORY DELETE TRANSACTIONS .....	30
5.5 INVENTORY NO CHANGE TRANSACTIONS .....	31
6. INVENTORY REPORTS FUNCTION.....	32
6.1 REPORT SELECTION OPTIONS .....	32
APPENDIX A - ACRONYMS .....	33
APPENDIX B - NEMS INVENTORY SUBSYSTEM SYSTEM FLOWCHARTS...34	
APPENDIX C - INVENTORY FILE LAYOUT.....	46
APPENDIX D - INVENTORY BATCH JCL .....	94



## **1. GENERAL FRAMEWORK**

### **1.1 PURPOSE**

The purpose of the NEMS Inventory Subsystem is to conduct a NASA Terminal Equipment Inventory.

In order to achieve this purpose, (1) the Inventory Data Base is created and maintained, and (2) the necessary information is obtained from the data base either through online adhoc inquiries or through formal reports produced by batch processing.

This booklet is prepared for both the users and automated data processing (ADP) personnel. Information described in this booklet will give a general picture of the subsystem, and will allow easier access to the Inventory Subsystem for the users or ADP personnel.

### **1.2 FEATURES OF THE SYSTEM**

The Inventory Subsystem is a subsystem, written in the NATURAL language, to NEMS. It compares existing equipment data to the data collected from a physical inventory and flags any discrepancies. A list of the various discrepancies and their meaning are given below. These discrepancies are corrected (worked off) through inventory transactions similar to the equipment transactions.

This system, although a subsystem to NEMS, is used independently of NEMS. It has its own control system, display screens, reports, and transactions. It does use the Equipment File for reference and update.

An inventory should be done every three years. When an inventory is opened it should be completed and closed within the next three years. Each installation controls its own inventory by Custodian Accounts/Location. To begin an inventory the user will 'open' it and request (at this point or later) the pre-inventory reports giving them summary statistics on what is to be inventoried. Accounts/Locations are then selected (opened) for inventory. Equipment is physically inventoried using portable bar code readers (PBCR). This PBCR data is uploaded to a personal computer (PC), and uploaded again to an Adaptable Data Base (ADABAS) file on the mainframe. At this point the Custodian Account/Location that was just inventoried and uploaded (and opened earlier) is set for processing (Bar Code File against Inventory File). The Equipment File records are downloaded to the Inventory File and compared to the Bar Code File records and any discrepancies are defined as:

- Overages - Equipment was physically inventoried for a Custodian Account/Location and does not belong to that Account/Location or any other Account/Location opened on the Inventory File, or the Equipment Control Number (ECN) cannot be found on the Equipment File.
- Underages - Equipment on record to belong to a Custodian Account/Location was not physically inventoried.
- Location - Equipment belonging to a Custodian Account/Location (grid) was found in a different location (building or room) than on record. Note: these records will have their location (equipment) automatically changed on the Equipment File to where it was scanned by the PBCR as a part of the bar code data processing.

A separate report, showing items in question, will be generated automatically for each type of discrepancy, as needed. These reports can also be requested at any time.

The discrepancies and/or their counts can be reviewed online by using the Status Option. Each type of Status available will be described later.

The discrepancies are corrected by using inventory transactions which will be applied to the Inventory File and the Equipment File. These transactions follow the same procedure as regular equipment transactions with the additional task of updating the Inventory File and correcting discrepancy flags. Therefore, although an inventory transaction will have the same effect on the Equipment File as a regular transaction, the inventory transaction must be used in order to correct the discrepancy.

Summary information, such as the current corrected number of each type of discrepancy, number of records uploaded from the PBCR, etc., is continually maintained on a status file along with a record of each transaction applied. This information is displayed on the various status screens.

When all discrepancies for a Custodian Account/Location are corrected, the Account/Location is selected to be closed. This involves clearing out inventory records, bar code records and creating a history record with final processing counts and dates. The locations (equipment) scanned by the PBCR updated the equipment file when the bar code data was processed.

A more detailed explanation of each step in the Inventory Process will follow.

To initiate the Inventory Subsystem the user should sign on to ADABAS/NATURAL as with the NEMS system, to the point of entering 'NEMS'.

At this point 'INV' should be entered which will return a 'NEMS-Inventory Subsystem' screen. After depressing the ENTER/RETURN key again, the Main Menu screen will be displayed and the user will be prompted for the function desired.

### **1.3 DATA BASE AND PROGRAMS**

The inventory data base is established and maintained under the ADABAS data base management system (DBMS). The programs that comprise the Inventory automated system are written in NATURAL, the ADABAS online interactive processing language. Currently, about 130 programs are supporting this system.

Since the Inventory Subsystem is organized and processed under the ADABAS DBMS, ADABAS files are created and maintained for the system. The records on the ADABAS files are well indexed by the ADABAS software, and are directly accessed in a very quick and effective way.

Under the ADABAS/NATURAL system, a certain category of records, or records which are matched against certain qualifiers can be extracted directly from an ADABAS file, instead of extracting all records first and then testing records for certain qualifications. This capability of selective extraction of records from an ADABAS file reduces unnecessary processing substantially, and economizes overall processing dramatically.

The capability of 'qualifying-and-extracting' records from an ADABAS file, instead of 'extracting-and-qualifying' records on an ADABAS file, is provided by the ADABAS inverted indexing system. Under the inverted indexing system, contents of records are first checked, and if they are qualified, then locations of qualified records are sought and records are extracted. For this purpose, contents of certain key-like fields (descriptors) for each record (inverted list) are extracted when records are stored on an ADABAS file.

The inverted list (similar to a condensed file) of an ADABAS file is ready for use once a file is created or updated, and the list contains data (content) for descriptors (certain designated fields), frequency of occurrence of same data (content) and internal system numbers (ISN), unique record number in a file which can be assigned by the system (or by users) for each record which has the same data. The ISN is indexed to the address converter which tells the block number of the file where the record with the ISN is located.

In this way, only necessary records are extracted selectively from an ADABAS file through the inverted indexing system (looking at contents first, then extracting appropriate records). In addition to this procedure, the highly effective NATURAL language provides very effective and convenient means of accessing and retrieving records from ADABAS files.

However, records on an ADABAS file are only accessed or retrieved through appropriate programs, because of the data indexing system and the fact that most of fields of each record are compressed when the record is stored on an ADABAS file. When records are retrieved from an ADABAS file, the compressed fields are regenerated to the original records.

## **1.4 INVENTORY FILE ORGANIZATION**

### **1.4.1 The Inventory Database**

The NEMS Inventory Database is made up of three (3) ADABAS files. The files are:

- (a) Inventory File - (NEMS-INVENTORY),
- (b) Bar Code File - (NEMS-BAR-CODE), and
- (c) Status File - (NEMS-INV-STATUS).

In addition to these files, the Inventory Subsystem is linked to the following NEMS files:

- (a) Equipment File,
- (b) Daily Transaction File,
- (c) History File,
- (d) Table File, and
- (e) Report File.

### **1.4.2 The Inventory File (NEMS-INVENTORY)**

The Inventory File is considered as the base file for the Inventory data base. This file is the most important file in the data base (see Attachment #1).

The records on this file are written when an inventory, an Account/Location is opened, an Account/Location is scheduled for overnight edit update processing, and during the batch processing itself. The 'underage' discrepancies are marked with a 'U' and kept on this file. The records remain on this file as long as an Account/Location is open.

When an Account/Location is closed, all records pertaining to the Account/Location are deleted.

### **1.4.3 Bar Code File (NEMS-BAR-CODE)**

This ADABAS file is used as a holding file for bar code records. The records are written to this file via upload of records from PC floppy disk to the mainframe.

While processing the Account/Location against the Inventory File the 'overage' records are flagged by an 'O' on this file. Once an Account/Location is processed and closed all the Account/Location records are deleted from this file.

### **1.4.4 Status File (NEMS-INV-STATUS)**

This ADABAS file contains the To-Date Status records for opened, processed, and closed Accounts/Locations. Information carried on this file includes all the worked off discrepancies by Inventory Transaction Number. The discrepancy Work-Off records are deleted when an Account/Location is closed, but the Status records remain on this file during the triennial inventory cycle.

## **1.5 NAVIGATION**

Navigation in the Inventory module can be accomplished by moving up and down the menu 'trees' or by entering a direct command. The syntax for the direct command is '=A.BBB.CCC' where the equal sign ('=') designates the value as a direct command. The first 'tree' level is identified by the 'A'. A delimiter ('.') followed by the second level and third levels (where applicable) follow. The values for levels correspond to the values on that level of menu. The first level corresponds to the Main Menu options. The second level corresponds to the specific options available to the menu designated by the first level. The same applies for the third level. This amounts to stacking menu directing commands to arrive at a predetermined location. The direct command is available where ever a menu option (or Cancel command) exists. The final destination can be any screen unless a data value was required to get there (e.g. entering the transaction number and ECN on the Add Transaction Menu).

There are a few special direct commands available:

<u>Command</u>	<u>Result</u>
= Q	This command will take you out of NEMS. The result is the same as entering an 'X' on the Main Menu. You would either exit NATURAL or receive the 'NEXT' prompt in NATURAL. This depends on how your NEMS is set up.
= 0	This command will take you to the Main Menu.

= X            This command will take you to the Main Menu and put the 'X' in the input field. If you press ENTER again the 'X' will be executed.

= (space)     This command will take you to the Main Menu.

These commands can be used as a quick return to the Main Menu or out of the system. The direct commands are intended to enhance navigation, not to replace the existing method of climbing up and down the menu 'trees'.

## **2. INVENTORY OPEN/CLOSE FUNCTION**

### **2.1 INVENTORY OPEN**

This is the first step of the Inventory Process and can only be done one time per inventory. If the inventory has already been opened, the date it was opened will be displayed next to the Option on the Main Menu screen. If the user attempts to open the inventory twice, an error message will be displayed and the function will be aborted. When the inventory is opened the user has the option to generate the two pre-inventory summary reports (by Custodian Account or Grid Location). Reports can also be requested at any time, through the Report Selection function.

### **2.2 INVENTORY CLOSE**

This function will close the NASA triennial inventory cycle. The Close process writes a record to the Inventory File requesting a close of the inventory. The actual processing takes place at nightly batch processing. This function will close the inventory and delete all the records from the Inventory, Bar Code, and Status files, and leave all the files and system ready for the next biennial inventory cycle.

## **3. INVENTORY ACCOUNT/LOCATION ACTIVITY FUNCTION**

### **3.1 ACCOUNT/LOCATION SELECT**

When a Custodian Account is to be inventoried, the Custodian Account Number and its sub-accounts are entered on this screen, along with any centerwide accounts necessary. These accounts are then considered 'opened' for inventory.

A centerwide account is a custodian account that is known to have equipment spread through various locations at the installation. If records are scanned for a main account, and belong to one of the centerwide accounts, it is held on the Bar

Code File until the centerwide account is processed. When it is known no more equipment for a centerwide account will be scanned, it should be set to be processed. Centerwide accounts can be processed any time.

A main account is the Custodian Account Number being physically inventoried. A sub-account is specified when a physical location is going to be inventoried and it is known that more than one custodian account's equipment will be scanned. The main account will be the custodian account that is predominant, the rest are subs. A maximum of 5 sub-accounts can be attached to each main account.

When a main account is processed (comparing bar code data to the Inventory File), if it has any sub-accounts attached to it, the first sub-account will automatically be made a main account and any remaining sub-accounts for the original main account will be passed as sub-account(s) to the new main account. For example:

1. Main Account - A with sub-accounts - NIE, ATG, DE

- a) After Main Account- A is processed

Main Account - A with sub-accounts - none

Main Account - NIE with sub-accounts - ATG, DE

Location is a grid location to which equipment is being physically inventoried for one or more custodians. A maximum of forty (40) locations opened or being processed are allowed at a time.

### **3.2 ACCOUNT/LOCATION UPLOAD/DELETE**

This option will upload PBCR data from a PC to the Bar Code File on the mainframe, or delete an Account/Location from the Bar Code File so the Account/Location can be uploaded again. The user is prompted for the Custodian Account/Location inventoried, and the option desired.

- A. Upload Account/Location - Records are uploaded online, 15 at a time. Processing proceeds automatically until all records are processed, without user intervention. The program on the PC passing data to the mainframe will send 'END' as it's last record, which will signify the end of the input data. At the bottom right of the screen will be displayed a Screen Count. This number can be multiplied by 15 to estimate the number of records processed at any given point. When processing is complete a Final Statistics Screen giving the following information is displayed:

- Total Records Read - Total number of records passed from the PC to the mainframe.
- Total Records Uploaded - Total number of records accepted and loaded to the Bar Code File on the mainframe.
- Records Scanned - The number of records physically scanned by the PBCR. When this is done a flag is set to '\*'. This flag is passed up to the mainframe and displayed on various status screens and reports.
- Records Keyed-In - If for any reason the PBCR operator cannot physically scan a piece of equipment, the ECN is manually keyed in.
- Records Need Repair - If a piece of equipment is in need of repair the PBCR operator keys in 'R' after the equipment is keyed in. The 'R' is stored in the above-mentioned flag.
- Records Idle - If it is known that a piece of equipment is not being used, an 'I' would be keyed in after the ECN is keyed in. (refer to above)
- Duplicate ECN - If an ECN is found more than once on the floppy disk for the same Custodian Account/location, it will be rejected and the Total No. of Duplicates Found will be displayed on the Upload Statistics Screen. However, if the ECN is found on the Bar Code File under some other Custodian Account/Location it will be accepted.

A summary record will be created on the Status File for this Account/Location, with the total number of records uploaded.

A.1.Display Uploaded Records - This function displays the bar code records uploaded from the floppy to the mainframe. The following fields are displayed:

- Unit ID - Identification of the portable bar code reader.
- Operator ID - Identification of the person doing the scanning.
- Inventory Date - Date entered on the bar code scanner.
- Custodian Account Number/Location - Custodian Account Number or Location entered on the bar code scanner.

- Building Number - Building number entered on bar code scanner.
  - Room Number - Room number entered on bar code scanner
  - ECN - ECN scanned through the laser or wand or hand-entered on the bar code scanner.
  - Bar Flag - Indicates whether the item was entered by the laser scanner, light wand, or keypad entry.
- B. Delete Account/Location - This option will check to see if there are any bar code records for the Custodian Account/Location specified, and that it is a main Account/Location opened on the Inventory File. All Bar Code File data records are deleted. When all records are deleted a message will be displayed to that effect. This option cannot be used if the Account/Location has been processed.

### **3.3 ACCOUNT/LOCATION PROCESS/CLOSE**

This option allows the user to process a Main Account/Location against the Equipment File, produce the discrepancy reports or close the completed Account/Location.

#### **A. Process Account/Location**

This option will search the Equipment File for records that belong to the Custodian Account/Location. Then the Bar Code File is searched for each ECN. If no record is found on the Bar Code File and the Equipment File record does not have the 'OUT' code set, the Inventory Discrepancy Flag is set for an underage. The building and room are compared. If either is different, the Bar Code and Inventory Discrepancy Flag is set for a Location (Equipment) Change. The Equipment File record is stored on the Inventory File, with the Discrepancy Flag. If the Building Number is different, the Building Number Table is searched to find the new Building Number. If the new Building Number is not found on the table a flag is set in the Inventory File to indicate the invalid Building Number.

After all ECN's are processed as above, the Bar Code File is searched again for all bar code records for the Custodian Account/Location, then the Equipment File is searched for the ECN. If no equipment record is found, the Bar Code Discrepancy Flag is set for an overage. If an Equipment Flag record is found and does not belong to the attached sub-accounts for a main account, the Bar Code Discrepancy Flag is set for an overage. For each type of discrepancy, a count is kept on the status file and a report is generated.

If there were any Location (Equipment) Discrepancies, the scanned Location (Equipment), from the Bar Code File, will be moved to the Equipment File. When processing is complete, if the Custodian Account has any sub-accounts attached, the first account is automatically made a main account and any other sub-accounts are passed a sub(s) to the account and any other sub-accounts are passed as sub(s) to the new main account.

#### B. Account/Location Close

This option closes the main Account/Location when the discrepancies are corrected at the center property management approval level. The Status File 'history' record is updated for the number of records processed and the date closed. The detail transaction's process records are kept on the file until the triennial inventory cycle is completed. The main Account/Location records are deleted from the Inventory and the Bar Code files.

### **4. INVENTORY STATUS FUNCTION**

#### **4.1 INVENTORY STATUS**

This 'Status Menu' gives the user an option to select ten different status screens. They are the following:

1. Current Account/Location Status - This option displays a screen showing the centerwide accounts opened, their Open Date, and the number of items that have been uploaded to the Bar Code File with another account and held until the centerwide account is processed.

The following screens will display, one main account per screen, with the following information:

- The Main Account Number/Location with an asterisk (\*) on the right if that Account/Location is being processed (working off discrepancies).
- Date Main Account/Location was opened.
- Date Main Account/Location was processed.
- The number of items in the Equipment File for this Account/Location.
- Number and value of items that match,
  - Correct Custodian Account Number/Location
  - Correct Equipment Location.

- Number and value of items that match,
  - Correct Custodian Account Number/Location.
  - Wrong Equipment Location.
- Number and value of items with an overage discrepancy.
- Number and value of items scanned where the Building Number entered was invalid.
- Number of items scanned for this account, but held because they belong to a centerwide or an attached sub-account.
- The number of items physically inventoried (scanned).
- The number and value of items with an underage discrepancy.
- The number and value of items previously in a different account that were held for this account to process.
- The number and value of items that are identified as out coded at the time the Account/Location was processed.
- Any sub-accounts attached to this main account.
- The sub-account's 'opened' or 'passed' \*Date.
- See 'Inventory Select' section.

User can repeat this option, view a selected Account/Location, or exit out to the Status Menu, at any point (see Figures 4.1 and 4.2).

2. Sub Account Status - This option will display the sub account information, only if a main account is open with sub-accounts attached to it. The following information will be displayed:
  - Main account number.
  - Attached sub-accounts (up to five sub-accounts).
  - Number of items held for sub-accounts.

This option will repeat the screens until all the main accounts with sub-account attached are displayed (see Figure 4.3).

3. Account/Location History Status - This option displays the history of the triennial inventory cycle. The display screens are divided into three parts. The first screen will display the following information (see Figure 4.4):

- The date the inventory was opened.
- Total number of accounts/locations opened.
- Total number of accounts/locations opened but not processed.
- Total number of accounts/locations being processed.
- Total number of accounts/locations processed and closed.
- Total number of accounts/locations selected.

At this point the user has the option to view the detail history information by Custodian Account/Location or by date, or exit to the Main Status Menu. If the user wishes to see the detail history information, the following data will be displayed:

- The Custodian Account Number/Location.
- The date each main account/location was opened, processed, and closed along with the total number of items processed for each account/location.
- The last screen will display the total number of items processed.

(See Figures 4.5 and 4.6 of this document.)

4. Overage Items Status - This option will display items scanned under a main account/location but they do not belong to the scanned main account/location. Items might be overage because they are not found in the Equipment File or they belong to another account/location. The following information will be displayed on the screen:

- Custodian Account Number/Location where items were found to be overages.
- ECN.
- Bar Code Flag indicating that the item was scanned or keyed by hand; if the item was idle or needed repair.
- Account Number/Location to which the item actually belongs.

- The date the item was physically scanned.
- The ID of the person who scanned the items.
- The ID (ECN) of the bar code scanner unit.
- Building location where item was scanned.
- Room location where item was scanned.
- Total number of overage items for the account/location.

As overage discrepancies are corrected through the workoff transactions, they no longer appear on this screen; the total number of overages also changes (see figure 4.7).

5. Underage /items Status - This option will display the items not found during the physical scanning of the account/location, but that exist on the Equipment File. The following information will be displayed on the screen:

- Custodian Account Number/Location.
- ECN.
- The date the account/location was processed.
- Item name.
- Building location where item is supposed to be.
- Room location where item is supposed to be.
- Total number of underage items in this account/location.

As underage discrepancies are corrected through the workoff transactions they no longer appear on this screen; the total number of underages also changes (see figure 4.8).

6. Transaction Status By Custodian/Location - This option will display the status of all the discrepancies corrected through the workoff transactions for a given Custodian Account/Location. The following information will be displayed on the screen:

- Custodian Account Number/Location.
- Entry reference number.

- If a No Change Transaction (I34) was used to correct the discrepancy, the reason for using the No Change Transaction will be displayed as comments.
- Item name.
- Transaction number.
- ECN.
- The date the discrepancy was corrected.
- Total number of discrepancies corrected.

This status information is kept for the triennial inventory cycle (see figure 4.9).

7. Transaction Status By Transaction - This option will display the status of all the discrepancies corrected through a given transaction number. The following information will be displayed on the screen:

- Transaction number.
- Entry reference number.
- If a No Change Transaction (I34) was used to correct the discrepancy, the reason for using the no change transaction will be displayed as comments.
- Item name.
- Custodian Account Number/Location.
- ECN.
- The date the discrepancy was corrected.
- Total number of discrepancies corrected.

This status information is kept for the triennial inventory cycle (see figure 4.10).

8. View Local Data - This option will display the local data for a given ECN, which is stored in the Inventory Status File as a comment. (see figure 4.11).
9. ECN Status - This option will display the 'overage' and/or 'underage' status of a given ECN. The following information will be displayed on the screen (see figure 4.12):

- ECN.
- Overage and/or underage discrepancy.
- Custodian Account Number/Location, under which the ECN is a discrepancy.
- User ID.
- The date account/location was opened.
- The date account/location was processed.

## CURRENT INVENTORY STATUS SCREEN - 1

### BY CUSTODIAN

```
USER-ID: XXXXX      NASA EQUIPMENT MANAGEMENT SYSTEM      DATE: MM/DD/YY
PROGRAM: SSTCISP1   (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                  - INSTALLATION NAME -

CURRENT INVENTORY STATUS SCREEN
-----
INVENTORY OPENED: YY/MM/DD

CENTER-WIDE ACCOUNTS:      OPEN: YY/MM/DD      ITEMS HELD FOR ACCT:
                            OPEN:                ITEMS HELD FOR ACCT:
-----

ENTER ACCOUNT TO START DISPLAY FROM,
' ' TO CONTINUE OR 'X' TO EXIT: _____
```

### BY LOCATION

```
USER-ID: XXXXX      NASA EQUIPMENT MANAGEMENT SYSTEM      DATE: MM/DD/YY
PROGRAM: SSTCISP2   (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                  - INSTALLATION NAME -

CURRENT INVENTORY STATUS SCREEN
-----
INVENTORY OPENED: YY/MM/DD

-----

ENTER LOCATION TO START DISPLAY FROM,
' ' TO CONTINUE OR 'X' TO EXIT: _____
```

Figure 4.1

## CURRENT INVENTORY STATUS SCREEN - 2

### BY CUSTODIAN

```

USER-ID: XXXXX          NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTCISP1      (INVENTORY SUBSYSTEM)                    TIME: HH:MM:SS
                      - INSTALLATION NAME -
                      CURRENT INVENTORY STATUS DISPLAY
1 GRIDT*              OPENED: YY/MM/DD   PROCESSED: YY/DD/DD ITEMS IN EQUIP:   XXX

                      COUNT          AMOUNT          COUNT          AMOUNT
MATCHED, RIGHT LOC:  999          999,999.99 UNDER ( 999 ): 999          -999,999.99
MATCHED, WRONG LOC:  999          999,999.99 ITEMS OUT CODED : 9          .99
OVER ( 9 ):          9          .99
INVALID BUILDING :    9          .99
                      -----
ITEMS UPLOADED      :    999

                                                    (*=BEING PROCESSED)

ENTER NEW ACCT., ' ' TO CONTINUE, OR 'X' TO EXIT: _____
  
```

### BY LOCATION

```

USER-ID: XXXXX          NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTCISP2      (INVENTORY SUBSYSTEM)                    TIME: HH:MM:SS
                      - INSTALLATION NAME -
                      CURRENT INVENTORY STATUS DISPLAY
1 GRIDT*              OPENED: YY/MM/DD   PROCESSED: YY/MM/DD ITEMS IN EQUIP:   999

                      COUNT          AMOUNT          COUNT          AMOUNT
MATCHED, RIGHT LOC:  999          999,999.99 UNDER ( 999 ): 999          -999,999.99
MATCHED, WRONG LOC:  999          999,999.99 ITEMS OUT CODED : 9          .99
OVER ( 9 ):          9          .99
INVALID BUILDING :    9          .99
                      -----
ITEMS UPLOADED      :    999

                                                    (*=BEING PROCESSED)

ENTER NEW LOC., ' ' TO CONTINUE, OR 'X' TO EXIT: _____
  
```

Figure 4.2

### SUB ACCOUNTS STATUS SCREEN

```
USER-ID: XXXXX          NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTSASP1      ( INVENTORY SUBSYSTEM)                   TIME: HH:MM:SS
                      - INSTALLATION NAME -

                      OPENED SUB ACCOUNT STATUS SCREEN

MAIN ACCT              SUB ACCT              ITEMS SCANNED(IN HOLD)
-----              -----              -----
  XXXXX                XXXXX                ZZZ9
                      XXXXX                ZZZ9
                      XXXXX                ZZZ9
                      XXXXX                ZZZ9

  XXXXX                XXXXX                ZZZ9
                      XXXXX                ZZZ9
                      XXXXX                ZZZ9
                      XXXXX                ZZZ9
                      XXXXX                ZZZ9

PRESS ENTER TO CONTINUE OR 'X' TO EXIT: _____
```

Figure 4.3

## INVENTORY HISTORY STATUS SCREEN - 1

### BY CUSTODIAN

USER-ID: XXXXX	NASA EQUIPMENT MANAGEMENT SYSTEM	DATE: MM/DD/YY
PROGRAM: SSTIHSP1	(INVENTORY SUBSYSTEM)	TIME: HH:MM:SS
	- INSTALLATION NAME -	

INVENTORY HISTORY SCREEN

---

INVENTORY OPENED: YY/MM/DD		
MAIN ACCOUNTS ON INVENTORY FILE	:	9
- OPENED BUT NOT PROCESSED	:	9
- BEING PROCESSED	:	9
MAIN ACCOUNTS, PROCESSED AND CLOSED	:	

---

TOTAL NUMBER OF CUSTODIAN ACCOUNTS SELECTED	:	9
---	---	---

---

ENTER SELECTION OR 'X' TO EXIT: \_\_\_\_\_

1. INVENTORY HISTORY BY CUSTODIAN ACCT FROM ACCT: \_\_\_\_\_
2. INVENTORY HISTORY BY DATE FROM DATE (YY MM DD): \_\_\_ \_\_ \_\_

### BY LOCATION

USER-ID: XXXXX	NASA EQUIPMENT MANAGEMENT SYSTEM	DATE: MM/DD/YY
PROGRAM: SSTIHSP4	(INVENTORY SUBSYSTEM)	TIME: HH:MM:SS
	- INSTALLATION NAME -	

INVENTORY HISTORY SCREEN

---

INVENTORY OPENED: YY/MM/DD		
LOCATIONS ON INVENTORY FILE	:	9
- OPENED BUT NOT PROCESSED	:	9
- BEING PROCESSED	:	9
LOCATIONS, PROCESSED AND CLOSED	:	

---

TOTAL NUMBER OF LOCATIONS SELECTED	:	9
------------------------------------	---	---

---

ENTER SELECTION OR 'X' TO EXIT: \_\_\_\_\_

1. INVENTORY HISTORY BY LOCATION FROM LOCATION: \_\_\_\_\_
2. INVENTORY HISTORY BY DATE FROM DATE (YY MM DD): \_\_\_ \_\_ \_\_

Figure 4.4

## INVENTORY HISTORY STATUS SCREEN - 2

### BY CUSTODIAN

```

USER-ID: XXXXX          NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: DD/MM/YY
PROGRAM: SSTIHSP2      ( INVENTORY SUBSYSTEM)                   TIME: HH:MM:SS
                        - INSTALLATION NAME -

                INVENTORY HISTORY SCREEN BY CUSTODIAN ACCOUNT

      ACCT      OPEN      PROCESS      ITEMS      CLOSE
      NUMBER    DATE      DATE      PROCESSED  DATE
      -----
99999          YY/MM/DD  YY/MM/DD      999
99999          YY/MM/DD  YY/MM/DD     9999
                                TOTAL ITEMS:  99,999

ENTER ' ' TO CONTINUE OR 'X' TO EXIT: _____
  
```

### BY LOCATION

```

USER-ID: XXXXX          NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTIHSP5      ( INVENTORY SUBSYSTEM)                   TIME: HH:MM:SS
                        - INSTALLATION NAME -

                INVENTORY HISTORY SCREEN BY LOCATION

      LOCATION    OPEN      PROCESS      ITEMS      CLOSE
                  DATE      DATE      PROCESSED  DATE
                  -----
GRIDT            YY/MM/DD  YY/MM/DD      999
GRIDU            YY/MM/DD  YY/MM/DD     9999
GRIDW            YY/MM/DD  YY/MM/DD     9999
GRID1            YY/MM/DD  YY/MM/DD     9999
GRID2            YY/MM/DD  YY/MM/DD     9999
GRID3            YY/MM/DD  YY/MM/DD     9999
GRID4            YY/MM/DD
                                TOTAL ITEMS:  99,999

ENTER ' ' TO CONTINUE OR 'X' TO EXIT: _____
  
```

**Figure 4.5**

### INVENTORY HISTORY STATUS SCREEN - 3

#### BY CUSTODIAN

```

USER-ID: XXXXX      NASA EQUIPMENT MANAGEMENT SYSTEM      DATE: MM/DD/YY
PROGRAM: SSTIHSP3   (INVENTORY SUBSYSTEM)                 TIME: HH:MM:SS
                   - INSTALLATION NAME -

                   INVENTORY HISTORY SCREEN BY DATE

ACCT      OPEN      PROCESS      ITEMS      CLOSE
NUMBER    DATE      DATE        PROCESSED  DATE
-----
99999     YY/MM/DD   YY/MM/DD   9999
99999     YY/MM/DD   YY/MM/DD   999
99999     YY/MM/DD   YY/MM/DD   9999
                   TOTAL ITEMS:  99,999

ENTER ' ' TO CONTINUE OR 'X' TO EXIT: _____
  
```

#### BY LOCATION

```

USER-ID: XXXXX      NASA EQUIPMENT MANAGEMENT SYSTEM      DATE: MM/DD/YY
PROGRAM: SSTIHSP6   (INVENTORY SUBSYSTEM)                 TIME: HH:MM:SS
                   - INSTALLATION NAME -

                   INVENTORY HISTORY SCREEN BY DATE

LOCATION    OPEN      PROCESS      ITEMS      CLOSE
          DATE      DATE        PROCESSED  DATE
-----
GRIDU     YY/MM/DD   YY/MM/DD   9999
GRIDT     YY/MM/DD   YY/MM/DD   999
GRID1     YY/MM/DD   YY/MM/DD   9999
GRID2     YY/MM/DD   YY/MM/DD   9999
GRIDW     YY/MM/DD   YY/MM/DD   9999
GRID3     YY/MM/DD   YY/MM/DD   9999
GRID4     YY/MM/DD   YY/MM/DD   9999
                   TOTAL ITEMS:  99,999

ENTER ' ' TO CONTINUE OR 'X' TO EXIT: _____
  
```

Figure 4.6

## OVERAGE ITEMS DISPLAY SCREEN

### BY CUSTODIAN

```

USER-ID: XXXXX          NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTOIDP1      (INVENTORY SUBSYSTEM)                    TIME: HH:MM:SS
                      - INSTALLATION NAME -

          BAR CODE OVERAGE ITEMS FOR CUSTODIAN ACCOUNT: XXXXX

  ECN   FLAG  ACCOUNT   DATE   BAR CODE  BAR CODE  SCANNED  SCANNED
  -----  ---  ---      ---   ---      ---      ---      ---
          ASSIGNED INVENTORIED OPERATOR  UNIT ID  BLDG     ROOM

G9999999 *   NONE     YY/MM/DD  LWA     99999999 9999     999
G9999999   NONE     YY/MM/DD  LWA     99999999 9999     999
G9999999   NONE     YY/MM/DD  LWA     99999999 9999     999
G9999999 *   NONE     YY/MM/DD  LWA     99999999 9999     99A
G9999999 *   NONE     YY/MM/DD  KYM     99999999 9999     HALL
09999999 *   NONE     YY/MM/DD  KYM     99999999 9999     999
09999999 *   NONE     YY/MM/DD  LWA     99999999 9999     999

          ENTER NEW ACCOUNT, ' ' TO CONTINUE, OR 'X' TO EXIT: _____
  
```

### BY LOCATION

```

USER-ID: XXXXX          NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTOIDP2      (INVENTORY SUBSYSTEM)                    TIME: HH:MM:SS
                      - INSTALLATION NAME -

          BAR CODE OVERAGE ITEMS FOR LOCATION: GRIDU

  ECN   FLAG  LOCATION   DATE   BAR CODE  BAR CODE  SCANNED  SCANNED
  -----  ---  ---      ---   ---      ---      ---      ---
          ASSIGNED INVENTORIED OPERATOR  UNIT ID  BLDG     ROOM

XXXXXXXX *   NONE     YY/MM/DD  XXX     99999999 9999     999
XXXXXXXX   NONE     YY/MM/DD  XXX     99999999 9999     999
XXXXXXXX   NONE     YY/MM/DD  XXX     99999999 9999     999
XXXXXXXX *   NONE     YY/MM/DD  XXX     99999999 9999     99A
XXXXXXXX *   NONE     YY/MM/DD  XXX     99999999 9999     HALL
XXXXXXXX *   NONE     YY/MM/DD  XXX     99999999 9999     999
XXXXXXXX *   NONE     YY/MM/DD  XXX     99999999 9999     999

          ENTER NEW LOCATION, ' ' TO CONTINUE, OR 'X' TO EXIT: _____
  
```

**Figure 4.7**

## UNDERAGE ITEMS DISPLAY SCREEN

### BY CUSTODIAN

```

USER-ID: XXXXX          NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTUIDP1      (INVENTORY SUBSYSTEM)                    TIME: HH:MM:SS
                      - INSTALLATION NAME -

                INVENTORY UNDERAGE ITEMS FOR CUSTODIAN ACCOUNT: XXXXX

  ECN          DATE          ITEM-NAME          ASSIGNED          ASSIGNED
  -----          PROCESSED          -----          BLDG          ROOM
  -----          -----          -----          -----          -----
XXXXXXXX  YY/MM/DD  MODEM COMMUNICATION COMPUTER  9999          6-N
XXXXXXXX  YY/MM/DD  AIR CONDITIONER                9999          M1
XXXXXXXX  YY/MM/DD  INDICATOR, CARBON MONOXIDE     9999          PMRM
XXXXXXXX  YY/MM/DD  AIR CONDITIONER                9999          M1
XXXXXXXX  YY/MM/DD  TYPEWRITER                     9999          01
XXXXXXXX  YY/MM/DD  WELDING MACHINE ARC           9999          HIBAY
XXXXXXXX  YY/MM/DD  SHEET FEEDER, PRINTER        9999          OFICE

  ENTER NEW ACCOUNT, ' ' TO CONTINUE, OR 'X' TO EXIT: _____
  
```

### BY LOCATION

```

USER-ID: XXXXX          NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTUIDP2      (INVENTORY SUBSYSTEM)                    TIME: HH:MM:SS
                      - INSTALLATION NAME -

                INVENTORY UNDERAGE ITEMS FOR LOCATION: GRIDU

  ECN          DATE          ITEM-NAME          ASSIGNED          ASSIGNED
  -----          PROCESSED          -----          BLDG          ROOM
  -----          -----          -----          -----          -----
9999999  YY/MM/DD  MODEM COMMUNICATION COMPUTER  9999          6-N
9999999  YY/MM/DD  AIR CONDITIONER                9999          M1
9999999  YY/MM/DD  INDICATOR, CARBON MONOXIDE     9999          PMRM
9999999  YY/MM/DD  AIR CONDITIONER                9999          M1
9999999  YY/MM/DD  TYPEWRITER                     9999          01
9999999  YY/MM/DD  WELDING MACHINE ARC           9999          HIBAY
9999999  YY/MM/DD  SHEET FEEDER, PRINTER        9999          OFICE

  ENTER NEW LOCATION, ' ' TO CONTINUE, OR 'X' TO EXIT: _____
  
```

**Figure 4.8**

## TRANSACTION STATUS DISPLAY SCREEN BY CUSTODIAN

### BY CUSTODIAN

USER-ID: XXXXX	NASA EQUIPMENT MANAGEMENT SYSTEM	DATE: MM/DD/YY
PROGRAM: SSTTSCP1	(INVENTORY SUBSYSTEM)	TIME: HH:MM:SS
	- INSTALLATION NAME -	
TRANSACTION STATUS OF CUSTODIAN: XXXXX		
ENTRY REF NO	ITEM NAME	TRANS NO
COMMENTS		ECN
		DATE PROC'D
-----		
999999999	PRINTER, ADP	I04
INTRACENTER		9999999
999999999	PRINTER, ADP	I04
INTRACENTER		9999999
999999999	CYLINDER STORAGE LIQUID OXYGEN	I14
999999999	TRAILER, PERSONNEL	I14
999999999	TRANSPORT, MAGNETIC TAPE	I19
999999999	COMPUTER, MICRO	I19
		9999999
ENTER NEW ACCOUNT, ' ' TO CONTINUE, OR 'X' TO EXIT: _____		

### BY LOCATION

USER-ID: XXXXX	NASA EQUIPMENT MANAGEMENT SYSTEM	DATE: MM/DD/YY
PROGRAM: SSTTSCP2	(INVENTORY SUBSYSTEM)	TIME: HH:MM:SS
	- INSTALLATION NAME -	
TRANSACTION STATUS OF LOCATION: GRIDU		
ENTRY REF NO	ITEM NAME	TRANS NO
COMMENTS		ECN
		DATE PROC'D
-----		
999999999	PRINTER, ADP	I04
INTRACENTER		9999999
999999999	PRINTER, ADP	I04
INTRACENTER		9999999
999999999	CYLINDER STORAGE LIQUID OXYGEN	I14
999999999	TRAILER, PERSONNEL	I14
999999999	TRANSPORT, MAGNETIC TAPE	I19
999999999	COMPUTER, MICRO	I19
		9999999
ENTER NEW LOCATION, ' ' TO CONTINUE, OR 'X' TO EXIT: _____		

**Figure 4.9**

**TRANSACTION STATUS DISPLAY BY TRANSACTION NUMBER**

**BY CUSTODIAN**

```

USER-ID: XXXXX          NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTTSTP1      (INVENTORY SUBSYSTEM)                    TIME: HH:MM:SS
                      - INSTALLATION NAME -

                      STATUS OF TRANSACTION: I14

ENTRY REF          ITEM NAME          CUST          ECN          DATE
NO                COMMENTS          ACCT          PROC'D

-----
999999999          CYLINDER STORAGE LIQUID OXYGEN  99999  9999999  YY/MM/DD
999999999          TRAILER, PERSONNEL              99999  9999999  YY/MM/DD
999999999          MODEL, GALILEO                  99999  9999999  YY/MM/DD
                      99999999999}
999999999          DISPLAY UNIT                    99999  9999999  YY/MM/DD
                      99999999999}
999999999          DISPLAY UNIT                    99999  9999999  YY/MM/DD
999999999          DISPLAY UNIT                    99999  9999999  YY/MM/DD
999999999          COMPUTER, MICRO                99999  9999999  YY/MM/DD

ENTER NEW TRANS NO., ' ' TO CONTINUE, OR 'X' TO EXIT: _____
  
```

**BY LOCATION**

```

USER-ID: XXXXX          NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTTSTP1      (INVENTORY SUBSYSTEM)                    TIME: HH:MM:SS
                      - INSTALLATION NAME -

                      STATUS OF TRANSACTION: I14

ENTRY REF          ITEM NAME          LOC          ECN          DATE
NO                COMMENTS          PROC'D

-----
999999999          CYLINDER STORAGE LIQUID OXYGEN  GRIDU  9999999  YY/MM/DD
999999999          TRAILER, PERSONNEL              GRIDU  9999999  YY/MM/DD
999999999          MODEL, GALILEO                  GRID2  9999999  YY/MM/DD
                      99999999999}
999999999          DISPLAY UNIT                    GRIDW  9999999  YY/MM/DD
                      99999999999}
999999999          DISPLAY UNIT                    GRID1  9999999  YY/MM/DD
999999999          DISPLAY UNIT                    GRID1  9999999  YY/MM/DD
999999999          COMPUTER, MICRO                GRID1  9999999  YY/MM/DD

ENTER NEW TRANS NO., ' ' TO CONTINUE, OR 'X' TO EXIT: _____
  
```

**Figure 4.10**

### DISPLAY LOCAL DATA FIELD BY ECN

```
USER-ID: XXXXX          NASA EQUIPMENT MANAGEMENT SYSTEM          DATE: MM/DD/YY
PROGRAM: SSTVLDP1      ( INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                      - INSTALLATION NAME -

LOCAL DATA FOR INVENTORY DISPLAY

LOCAL DATA FOR ECN: 1722998

-----
999999999          99999999999}

ENTER NEW ECN OR 'X' TO EXIT: _____
```

**Figure 4.11**

## DISPLAY ECN STATUS

### BY CUSTODIAN

```
USER-ID: XXXXX      NASA EQUIPMENT MANAGEMENT SYSTEM      DATE: MM/DD/YY
PROGRAM: SSTECP1    (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                  - INSTALLATION NAME -

INVENTORY STATUS FOR ECN: X999999

          OVERAGE                      UNDERAGE
-----
CUSTODIAN ACCT: XXXXX                  CUSTODIAN ACCT: XXXXX
USER-ID:      XXXXXXXX                 USER-ID:      XXXXXXXX
DATE OPENED:  YY/MM/DD                 DATE OPENED:  YY/MM/DD
DATE PROCESSED: YY/MM/DD                DATE PROCESSED: YY/MM/DD

ECN IS NOT AN OVERAGE                  ECN IS NOT AN UNDERAGE

ENTER ' ' TO CONTINUE, NEW ECN, OR 'X' TO EXIT: _____
```

### BY LOCATION

```
USER-ID: XXXXX      NASA EQUIPMENT MANAGEMENT SYSTEM      DATE: MM/DD/YY
PROGRAM: SSTECP1    (INVENTORY SUBSYSTEM)                TIME: HH:MM:SS
                  - INSTALLATION NAME -

INVENTORY STATUS FOR ECN: X999999

          OVERAGE                      UNDERAGE
-----
GRID LOCATION: XXXXX                   GRID LOCATION: XXXXX
USER-ID:      XXXXXXXX                 USER-ID:      XXXXXXXX
DATE OPENED:  YY/MM/DD                 DATE OPENED:  YY/MM/DD
DATE PROCESSED: YY/MM/DD                DATE PROCESSED: YY/MM/DD

ECN IS NOT AN OVERAGE                  ECN IS NOT AN UNDERAGE

ENTER ' ' TO CONTINUE, NEW ECN, OR 'X' TO EXIT: _____
```

Figure 4.12

## **5. INVENTORY TRANSACTIONS FUNCTION**

### **5.1 INVENTORY TRANSACTIONS**

The NEMS Inventory Transactions Option is designed to allow the user to work-off the overage, underage and equipment location discrepancies through additions, changes deletions, and no changes to the NEMS Equipment File and updates to the Inventory, Bar Code, and Status files in an online environment.

Currently, 45 different transactions (13 add transactions, 14 change transactions, 15 delete transactions, and 3 transactions for no change) are specified. They are used to process various update activities. Each transaction has a formatted screen to collect and edit the information for that activity.

These transactions are grouped conceptually into 4 categories of transactions: transactions to work-off overage discrepancies, transactions to work-off underage discrepancies, transactions to work-off overage or underage discrepancies and transactions to work-off equipment location discrepancies. A transaction to remove the overage or underage discrepancy flag from the Inventory and Bar Code files without updating the Equipment File also exists. The Inventory Discrepancy Work-Off Function is arranged to process each of the four (4) transaction categories separately. If the 'Transaction' Option (4) on the Inventory Main Menu screen is selected, then the system brings up the Inventory Transaction Menu screen which directs you to select one of four transaction categories (Add, Change, Delete, or No Change). If an option is selected, the processing branches to the selected category of transactions until all processing is completed.

Each of the 45 transactions are numbered with an 'I' as a prefix to distinguish between the regular NEMS transactions and the inventory transactions.

### **5.2 INVENTORY ADD TRANSACTION**

Currently 13 different add transactions are processed for working off the 'overage' discrepancies and some 'underage' discrepancies. The transactions are numbered I04 through I21. The inventory add transactions are similar to the NEMS add transactions. Since the Equipment File is updated online by using the online edit update program, each of the 13 transactions is supported by a separate program.

Transaction numbers, transactions and supporting programs for add processing are as follows:

<u>Trans. No.</u>	<u>Add Transaction</u>	<u>Programs</u>
-------------------	------------------------	-----------------

I04	Receipt By Transfer-From NASA Installation	TRNI04P1
I06	Receipt By Transfer-From Contractor	TRNI06P1
I08	Receipt From Lease In	TRNI08P1
I09	Receipt From Loan In	TRNI09P1
I10	Receipt From Fabrication	TRNI10P1
I11	Receipt From Assembly/Disassembly	TRNI11P1
I12	Receipt From Found On Station	TRNI12P1
I13	Receipt From Excess	TRNI13P1
I14	Receipt From Retagging	TRNI14P1 TRNI14P2
I15	Receipt From Return Of Record From Historical File	TRNI15P1
I19	Receipt From Reinstating Item Previously Surveyed	TRNI19P1
I20	Receipt From Borrow In	TRNI20P1
I21	Receipt Resulting From Conversion Of Lease to Purchase	TRNI21P1

### 5.3 INVENTORY CHANGE TRANSACTIONS

Currently 14 different change transactions are processed to resolve the 'overage' and 'underage' discrepancies. The transactions are numbered I26 through I64, except for I32 through I34. The change transactions are also similar to the NEMS change transactions.

Transaction numbers and supporting programs for change transactions are as follows:

<u>Trans. No.</u>	<u>Change Transaction</u>	<u>Programs</u>
I26	Custodian Account Change	TRNI26P1
I29	Equipment Location Change	TRNI29P1

I38	Borrowed Out	TRNI38P1
I39	Borrowed Out Returned	TRNI39P1
I40	Loan/Lease Out	TRNI40P1
I41	Loan/Lease Out-Returned	TRNI41P1
I42	Loan Pool Out	TRNI42P1
I43	Loan Pool Out-Returned	TRNI43P1
I44	Storage In	TRNI44P1
I45	Storage In-Returned	TRNI45P1
I52	Excess Equipment Turn-In By Custodian	TRNI52P1
I56	Repair Update	TRNI56P1
I57	Off-Site For Repair	TRNI57P1
I64	Local Data Update	TRNI64P1

#### **5.4 INVENTORY DELETE TRANSACTIONS**

Currently 15 different delete transactions are processed to resolve the 'underage' discrepancies. The transactions are numbered I65 through I87. The delete transactions of Inventory are similar to the NEMS delete transactions.

The transaction numbers and supporting programs for delete transactions are as follows:

<u>Trans. No.</u>	<u>Delete Transaction</u>	<u>Programs</u>
I65	Transfer To Another NASA Installation	TRNI65P1
I66	Transfer To Other Government Agency	TRNI66P1
I67	Transfer Of GFE To A Contractor	TRNI67P1
I69	Lease In-Returned	TRNI69P1
I70	Loan In-Returned	TRNI70P1
I71	Survey (Missing Equipment)	TRNI71P1

172	Decontrol (Removal Of Tag)	TRNI72P1
173	Deletes Resulting From Assembly/Disassembly	TRNI73P1
174	Delete From Retag	TRNI74P1
175	Borrow In Returned	TRNI75P1
180	Disposal Of NASA Held Equipment (Condition Code More Than 7) By Custodian	TRNI80P1
181	Disposal Of NASA Held Equipment By NEMS Reutilization Coordinator	TRNI81P1
185	Delete Resulting From Trade-In	TRNI85P1
186	Transfer To Real Property	TRNI86P1
187	Delete From Conversion Of Lease To Purchase	TRNI87P1

## 5.5 INVENTORY NO CHANGE TRANSACTIONS

Currently 3 different 'no change' transactions are processed to resolve 'overage' and 'underage' discrepancies. These transactions are numbered I32 through I34. The no change transactions are special transactions. They do not update the Equipment File. Only the discrepancy flags are removed from the Inventory and Bar Code files. The 'no change' transactions are used when an item has NEMS transactions pending at the time of inventory and appears as a missing item on the Inventory File, or when an item is in the process of going out on loan, repair, or calibration. Such discrepancies are processed through the inventory 'no change' transactions.

The transaction numbers and supporting program names for the 'no change' transactions are as follows:

<u>Trans. No.</u>	<u>No Change Transactions</u>	<u>Programs</u>
I32	Other Center-Transfer Requested	TRNI32P1
I33	Contractor-Transfer Requested	TRNI33P1
I34	Inventory Update-No Change To Equipment File	TRNI34P1

## **6. INVENTORY REPORTS FUNCTION**

### **6.1 REPORT SELECTION OPTIONS**

Report generating functions of the report selection function are fulfilled through online processing and batch processing. The process of scheduling or requesting reports is performed through the online portion of processing which is carried out usually in the day, and the process of Job Control Language (JCL) generation and execution of jobs for reports is performed through the batch portion of processing which is run at night.

The report selection function allows the user to control the processing of inventory reports.

The Inventory Report Selection Menu screen displays 3 options. They are:

- (1) Select On-Request Reports
- (2) Alter Currently Scheduled Jobs
- (3) Change Standard Report Distribution

(1) Select On-Request Reports

Please refer to NEMS Operations Guide.

(2) Alter Currently Scheduled Reports

Please refer to NEMS Operations Guide.

(3) Change Standard Report Distribution

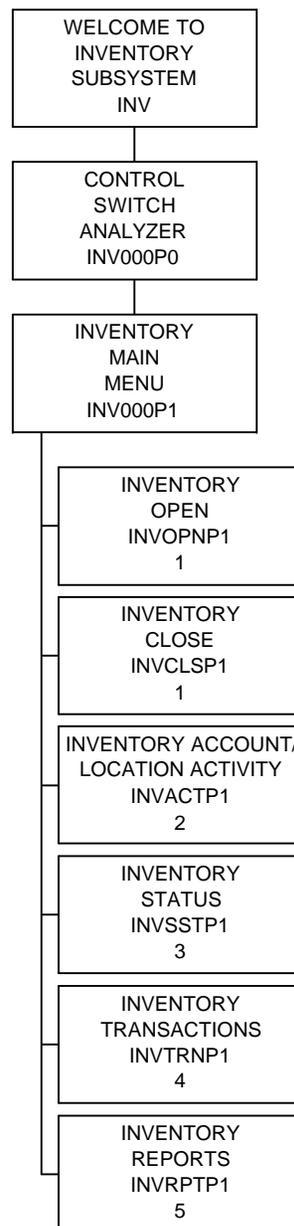
Please refer to NEMS Operations Guide.

## APPENDIX A - ACRONYMS

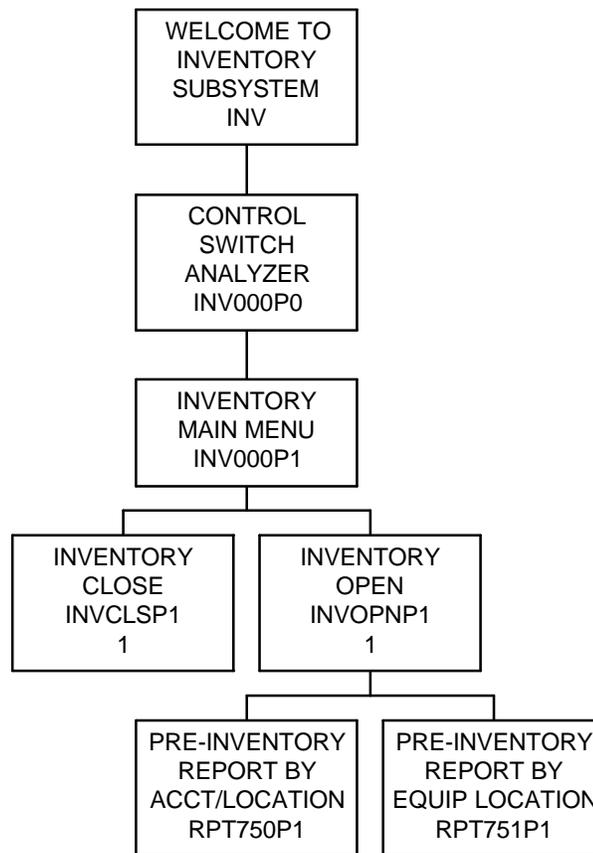
<b>ADABAS</b>	Adaptable Data Base
<b>ADP</b>	Automated Data Processing
<b>DBA</b>	Data Base Administrator
<b>DBMS</b>	Data Base Management System
<b>ECN</b>	Equipment Control Number
<b>ID</b>	Identification
<b>ISN</b>	Internal System Numbers
<b>JCL</b>	Job Control Language
<b>NASA</b>	National Aeronautics and Space Administration
<b>NEMS</b>	NASA Equipment Management System
<b>PBCR</b>	Portable Bar Code Reader
<b>PC</b>	Personal Computer
<b>USERID</b>	User Identification

## APPENDIX B - NEMS INVENTORY SUBSYSTEM SYSTEM FLOWCHARTS

# NEMS Inventory Subsystem

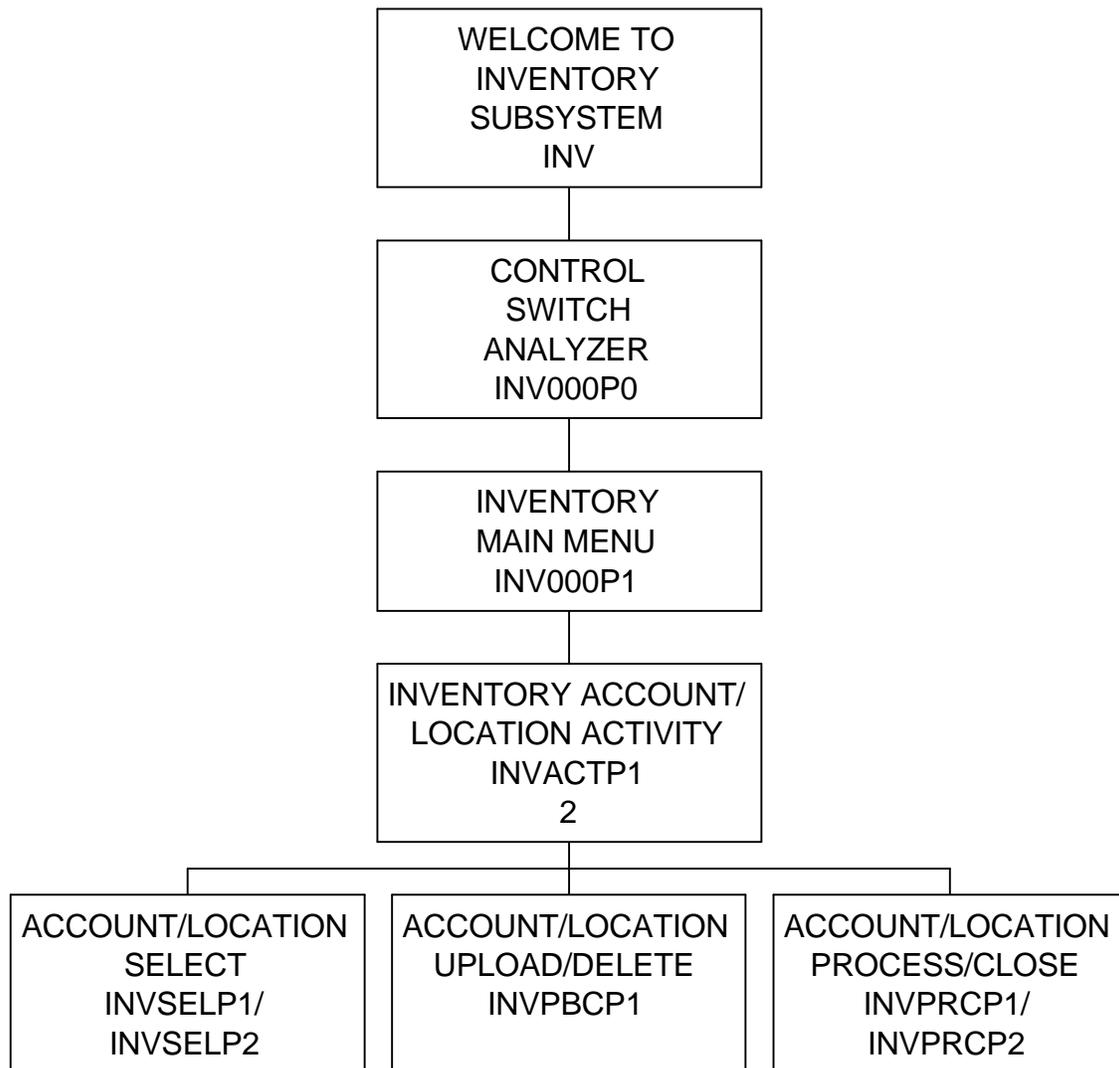


# NEMS Inventory Subsystem

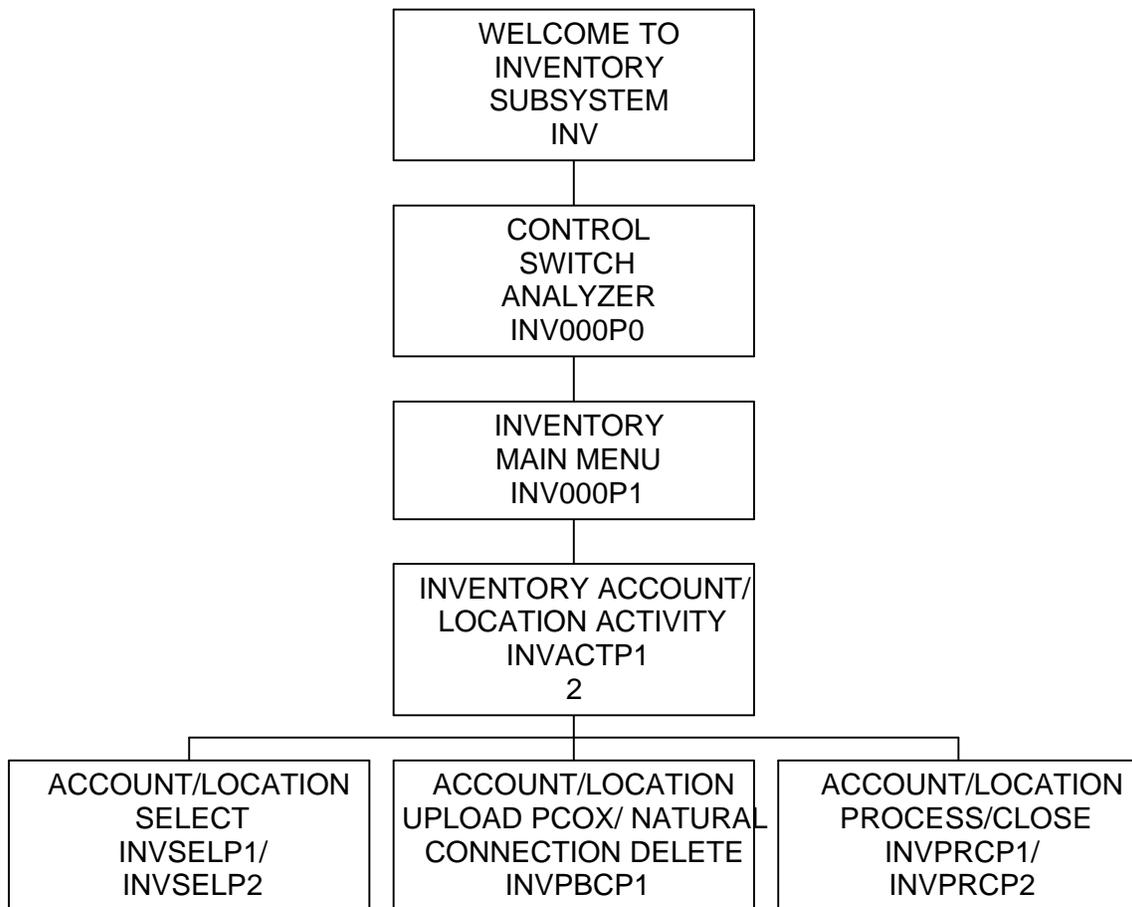


BATCH

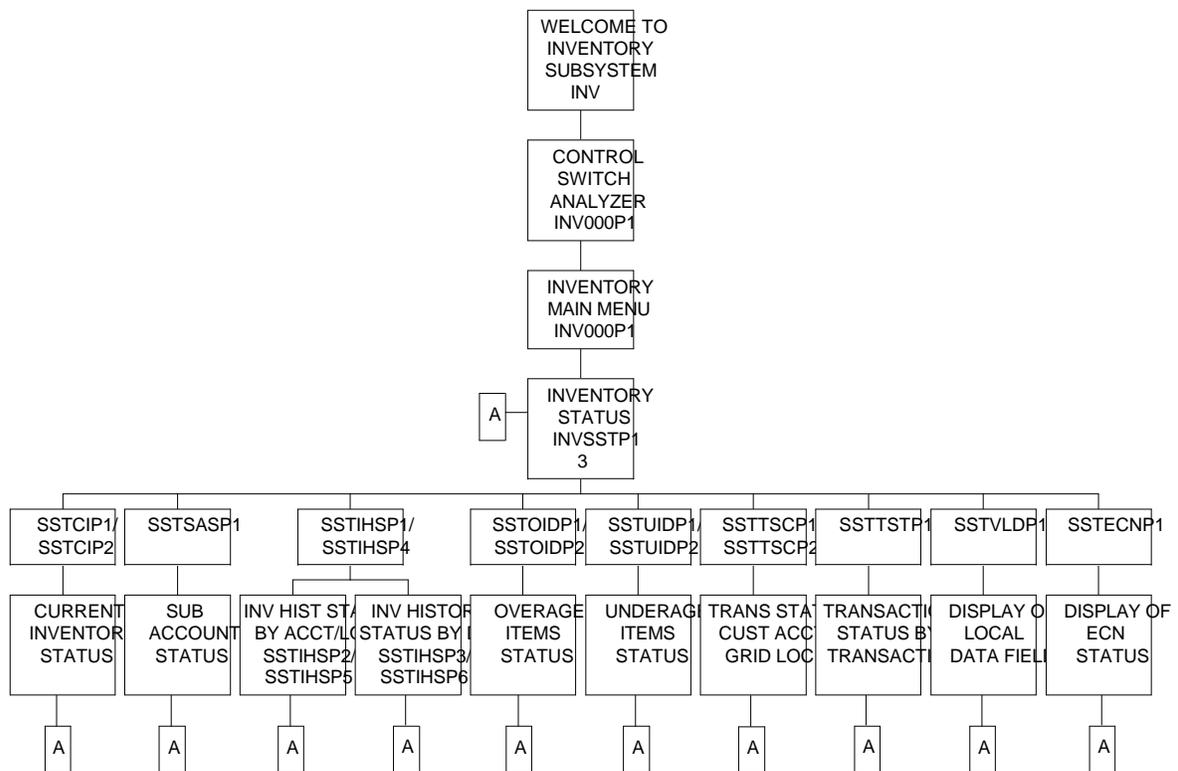
# NEMS Inventory Subsystem



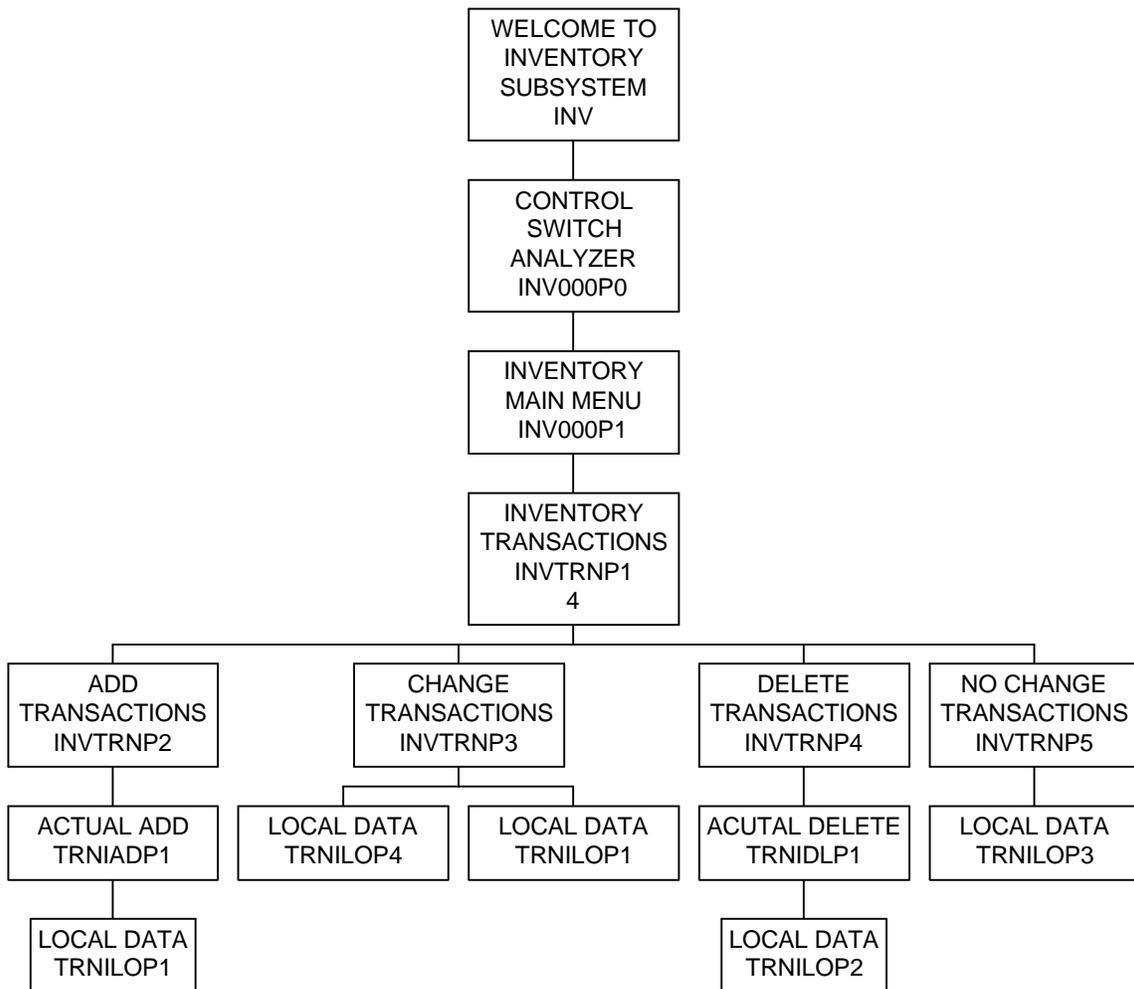
# NEMS Inventory Subsystem



# NEMS Inventory Subsystem

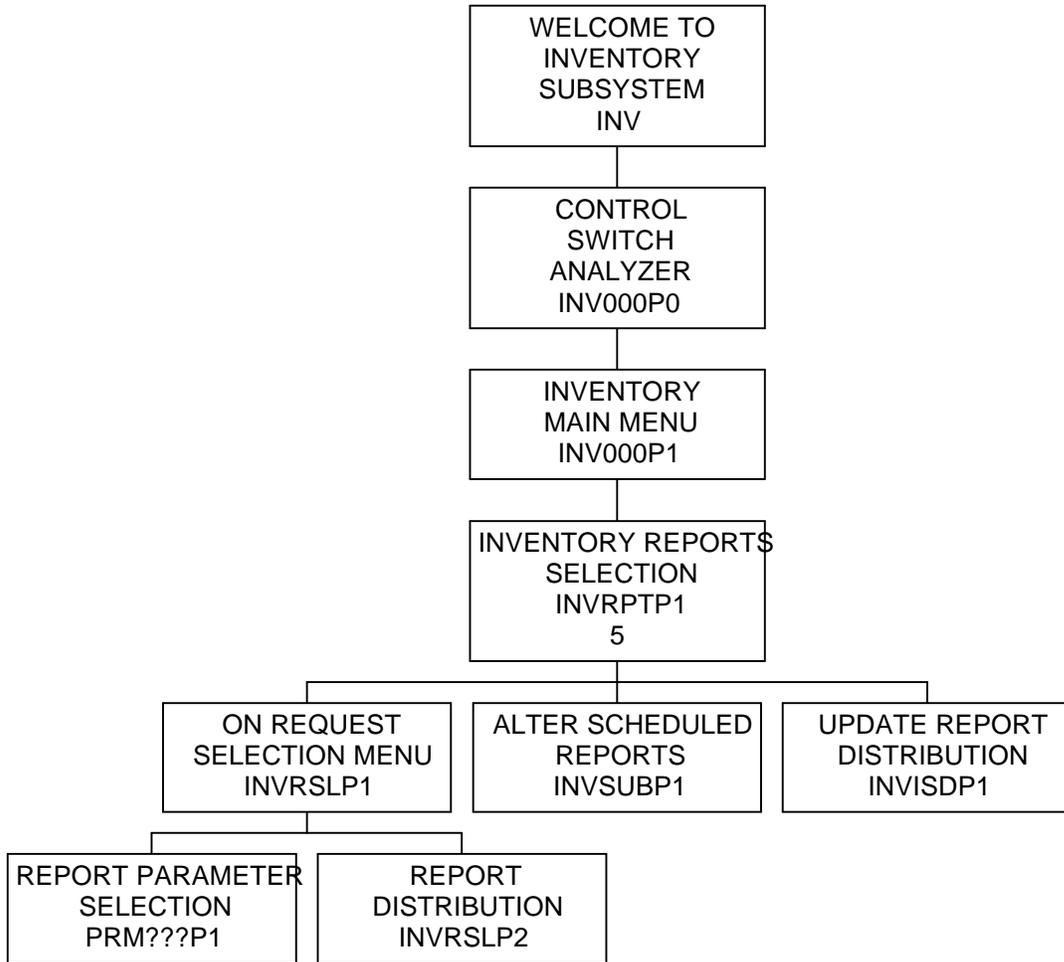


# NEMS Inventory Subsystem

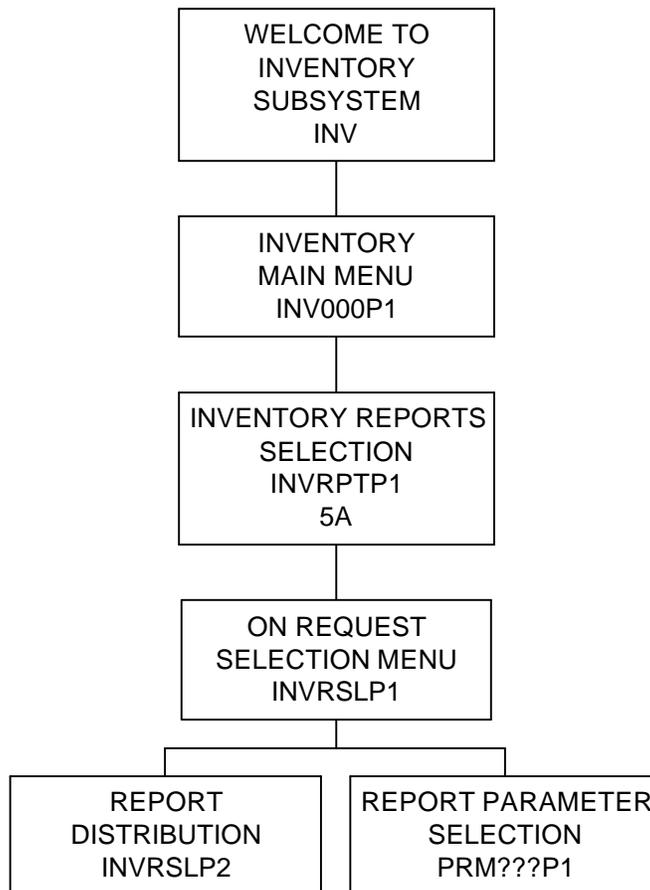


<b>INVENTORY ADD TRANSACTIONS</b>	
TRNI04P1	RECEIPT BY TRANSFER - FROM NASA INSTALLATION
TRNI06P1	RECEIPT BY TRANSFER - FROM CONTRACTOR
TRNI08P1	RECEIPT FROM LEASE IN
TRNI09P1	RECEIPT FROM LOAN IN
TRNI10P1	RECEIPT FROM FABRICATION
TRNI11P1	RECEIPT FROM ASSEMBLY/DISASSEMBLY
TRNI12P1	RECEIPT FROM FOUND ON STATION
TRNI13P1	RECEIPT FROM EXCESS
TRNI14P1,2	RECEIPT FROM RETAGGING
TRNI15P1	RECEIPT FROM RETURN OF RECORD FROM HISTORICAL FILE
TRNI19P1	RECEIPT FROM REINSTATING ITEM PREVIOUSLY SURVEYED
TRNI20P1	RECEIPT FROM BORROW IN
TRNI21P1	RECEIPT RESULTING FROM CONVERSION OF LEASE TO PURCHASE
<b>INVENTORY CHANGE TRANSACTIONS</b>	
TRNI26P1	CUSTODIAN ACCOUNT CHANGE
TRNI29P1	EQUIPMENT LOCATION CHANGE
TRNI38P1	BORROWED OUT
TRNI39P1	BORROWED OUT RETURNED
TRNI40P1	LOAN/LEASE OUT
TRNI41P1	LOAN/LEASE OUT RETURNED
TRNI42P1	LOAN POOL OUT
TRNI43P1	LOAN POOL OUT RETURNED
TRNI44P1	STORAGE IN
TRNI45P1	STORAGE IN - RETURNED
TRNI52P1	EXCESS EQUIPMENT TURN-IN BY CUSTODIAN
TRNI56P1	REPAIR UPDATE
TRNI57P1	OFF-SITE FOR REPAIR
TRNI64P1	LOCAL DATA CHANGE
<b>INVENTORY DELETE TRANSACTIONS</b>	
TRNI65P1	TRANSFER TO ANOTHER NASA INSTALLATION
TRNI66P1	TRANSFER TO ANOTHER GOV'T. AGENCY
TRNI67P1	TRANSFER OF GFE TO A CONTRACTOR
TRNI69P1	LEASE IN - RETURNED
TRNI70P1	LOAN IN - RETURNED
TRNI71P1	SURVEY (MISSING EQUIPMENT)
TRNI72P1	DECONTROL (REMOVAL OF TAG)
TRNI73P1	DELETES RESULTING FROM ASSM/DISASSM
TRNI74P1	DELETE FROM RETAG
TRNI75P1	BORROW IN RETURNED
TRNI80P1	DISPOSAL OF NASA HELD EQUIP BY CUST
TRNI81P1	DISPOSAL OF NASA HELD EQUIP BY EVS
TRNI85P1	DELETE FROM TRADE-IN
TRNI86P1	TRANSFER TO REAL PROPERTY
TRNI87P1	DELETE RESULTING FROM CONVERSION OF LEASE TO PURCHASE
<b>INVENTORY NO CHANGE TRANSACTIONS</b>	
TRNI32P1	OTHER CENTER - TRANSFER REQUEST
TRNI33P1	CONTRACTOR - TRANSFER REQUESTED
TRNI34P1	INVENTORY UPDATE - NO EQUIP CHANGE

# NEMS Inventory Subsystem



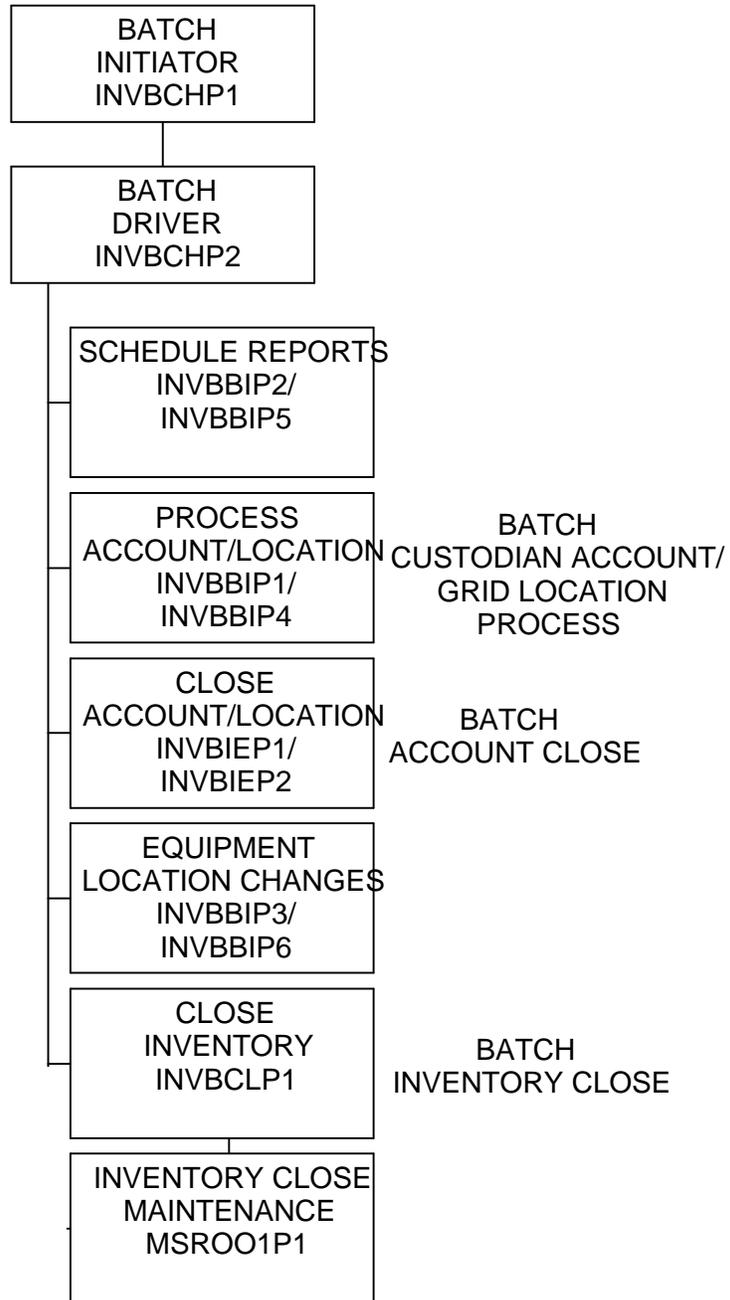
# NEMS Inventory Subsystem



# NEMS Inventory Subsystem

PARAMETER	REPORT	REPORT
PRM750P1	RPT750P1, 2	PRE-INVENTORY PROPERTY SUMMARY BY CUSTODIAN ACCOUNT/GRID LOCATION
PRM751P1	RPT751P1, 2	PRE-INVENTORY PROPERTY SUMMARY EQUIPMENT LOCATION
PRM752P1	RPT752P1	INVENTORY TRANSACTION STATISTICAL SUMMARY
PRM753P1	RPT753P1, 2	CUSTODIAN ACCOUNT/GRID LOCATION INVENTORY STATISTICAL REPORT
PRM754P1	RPT754P1	ITEMS HELD FOR CENTERWIDE ACCOUNT REPORT
PRM760P1	RPT760P1, 2	INVENTORY UNDERAGE DISCREPANCY
PRM761P1	RPT761P1, 2	INVENTORY OVERAGE DISCREPANCY
PRM762P1	RPT762P1, 2	INVENTORY EQUIPMENT LOCATION CHANGE
PRM763P1	RPT763P1, 2	INVENTORY MATCHED ITEMS
PRM764P1	RPT764P1, 2	BAR-CODE FILE DISPLAY BY CUSTODIAN ACCOUNT/GRID LOCATION
PRM765P1	RPT765P1, 2	BAR CODE FILE DISPLAY BY CUSTODIAN ACCOUNT/GRID LOCATION SORTED BY ECN
PRM766P1	RPT766P1, 2	POST INVENTORY CUSTODIAN ACCOUNT/GRID LOCATION
	RPT767P1, 2	INVENTORY HISTORY REPORT
PRM768P1	RPT768P1	INVENTORY DAILY TRANSACTION REGISTER
PRM769P1	RPT769P1, 2	INVENTORY EQUIPMENT LOCATION NOT CHANGED
	RPT770P1	TRIENNIAL INVENTORY CLOSE REPORT
PRM771P1	RPT771p1, 2	RECORDS NOT INVENTORIED REPORT

# NEMS Inventory Subsystem



# INVENTORY REPORT SELECTION REQUESTED THROUGH NEMS LIST OF PROGRAMS

REPORT	PARAMETER	FUNCTION
RPT750P1	PRM750P1	PRE-INVENTORY PROPERTY SUMMARY BY CUST ACCOUNT
RPT751P1	PRM751P1	PRE-INVENTORY PROPERTY SUMMARY BY LOCATION
RPT752P1	PRM752P1	INVENTORY TRANSACTION STATISTICAL SUMMARY
RPT753P1	PRM753P1	CUSTODIAN INVENTORY STATISTICAL SUMMARY
RPT754P1	PRM754P1	ITEMS HELD FOR CENTERWIDE ACCOUNT REPORT
RPT755P1	PRM755P1	ITEMS HELD FOR SUB ACCOUNT REPORT
RPT760P1	PRM760P1	INVENTORY UNDERAGE DISCREPANCY REPORT
RPT761P1	PRM761P1	INVENTORY OVERAGE DISCREPANCY REPORT
RPT762P1	PRM762P1	INVENTORY LOCATION CHANGE REPORT
RPT763P1	PRM763P1	INVENTORY MATCHED ITEMS REPORT
RPT764P1	PRM764P1	BAR CODE FILE DISPLAY BY CUSTODIAN
RPT765P1	PRM765P1	BAR CODE FILE DISPLAY BY CUSTODIAN SORTED BY ECN
RPT766P1	PRM766P1	POST INVENTORY CUSTODIAN ACCOUNT PROPERTY REPORT
RPT767P1		INVENTORY HISTORY REPORT
RPT768P1	PRM768P1	INVENTORY DAILY TRANSACTION REGISTER
RPT769P1	PRM769P1	INVENTORY LOCATION NOT CHANGED REPORT
RPT771P1	PRM771P1	RECORDS NOT INVENTORIED REPORT



		HD=COST			
1	AJ	CAP-SENS-CODE	A	1	D
		HD=CAP/SENS/CODE			
1	AK	AVAIL-STATUS-CODE	A	1	D
		HD=AVAIL/STATUS/CODE			
1	AL	DATE-STATUS-CODED	N	6.0	N
		HD=DATE/STATUS/CODED			
		EM=Z99/99/99			
1	AM	DATE-NASA-ACQ	N	6.0	D
		HD=DATE/NASA ACQ			
		EM=Z99/99/99			
1	AO	DATE-INST-ACQ	N	6.0	D
		HD=DATE/INST ACQ			
		EM=Z99/99/99			
1	AP	ACQ-TRANS-NO	A	3	D
		HD=ACQ/TRANS/NO			
1	AQ	ACQ-ENTRY-REF-NO	N	10.0	
		HD=ACQ ENTRY/REF NO			
1	AR	ACQ-DOC-CNTL-NO	A	11	N D
		HD=ACQ DOC/CONTROL NO			
1	HB	LAST-TRANS-NO	A	3	D
		HD=LAST/TRANS/NO			
1	HC	LAST-ENTRY-REF-NO	N	10.0	
		HD=LAST ENTRY/REF NO			
1	AU	CUST-ACCT-NO	A	5	N D
		HD=CUST/ACCT/NO			
1	AV	CUST-NO	A	6	N D
		HD=CUST/NO			
1	AW	CUST-ORG-CODE	A	7	N D

NEMS Inventory Operations Guide  
Version 3.9  
March 1997

HD=CUST/ORG/CODE

1 AX USER-NO

A 6 N D

HD=USER/NO

DB 0 File 188 - NEMS-EQUIPMENT

Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	AY	EQUIP-ZIP-CODE	A	5		D	
		HD=EQUIP/ZIP/CODE					
1	AZ	EQUIP-BUILDING	A	10	N	D	
		HD=EQUIP/BLDG					
1	BA	EQUIP-ROOM	A	5	N		
		HD=EQUIP/ROOM					
1	BB	EQUIP-TYPE-ACCT	N	4.0	N	D	
		HD=EQUIP/TYPE/ACCT					
1	BC	DATE-INVENTORIED	N	6.0	N	D	
		HD=DATE/INVENTORIED					
		EM=Z99/99/99					
1	BD	OLD-TAG-NO	A	8	N	D	
		HD=OLD/TAG NO					
1	BE	DATE-AVAILABLE	N	6.0	N	D	
		HD=DATE/AVAILABLE					
		EM=Z99/99/99					
1	BF	EST-COST-CODE	A	1			
		HD=EST/COST/CODE					
1	BG	CONDITION-CODE	A	2			
		HD=COND/CODE					
1	BH	UNIQUE-EQUIP-NO	A	8	N	D	
		HD=UNIQUE/EQUIP NO					
1	BI	HAZ-MATERIAL-CODE	A	1			
		HD=HAZ/MAT/CODE					
1	BJ	PREC-METAL-CODE	A	1			

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

		HD=PREC/METAL/CODE			
1	BK	DATE-LAST-CALIBRATED	N	6.0	N
		HD=DATE LAST/CALIBRATED			
		EM=Z99/99/99			
1	BL	DATE-CALIBRATION-DUE	N	6.0	N D
		HD=DATE/CAL/DUE			
		EM=Z99/99/99			
1	BM	DATE-WRNTY-EXP-MATERIAL	N	4.0	N
		HD=DATE WRNTY/EXP-MAT			
		EM=99/99			
1	BN	DATE-WRNTY-EXP-LABOR	N	4.0	N
		HD=DATE WRNTY/EXP-LABOR			
		EM=99/99			
1	BO	OTHER-AGENCY-NO	N	2.0	N
		HD=OTHER/AGENCY/NO			
1	BP	CONTRACTOR-TAG-NO	A	13	N D
		HD=CONTRACTOR/TAG NO			
1	BQ	CONTRACTOR-ACCT	A	9	N D
		HD=CONTRACTOR/ACCT			
1	BR	L-L-DOC-NO	A	6	N D
		HD=LOAN/LEASE/DOC NO			
1	BS	DATE-L-L-B-IN-DUE	N	6.0	N
		HD=LOAN LEASE/BORROW/IN DUE			
		EM=Z99/99/99			
1	BT	DATE-LOANED-OUT	N	6.0	N D
		HD=DATE/LOANED/OUT			
		EM=Z99/99/99			
1	BU	DATE-LEASED-OUT	N	6.0	N
		HD=DATE/LEASED/OUT			

EM=Z99/99/99

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

DB 0 File 188 - NEMS-EQUIPMENT Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	BV	DATE-SHIPPED-OTHER-INST	N	6.0		N	
		HD=DATE/SHIPPED/OTHER INST					
		EM=Z99/99/99					
1	BW	DATE-BORROWED-OUT	N	6.0		N D	
		HD=DATE/BORROWED/OUT					
		EM=Z99/99/99					
1	BX	DATE-STORAGE-DUE	N	6.0		N	
		HD=DATE/STORAGE/DUE					
		EM=Z99/99/99					
1	BZ	DATE-STORED-IN	N	6.0		N D	
		HD=DATE/STORED/IN					
		EM=Z99/99/99					
1	CA	DATE-L-L-B-OUT-DUE	N	6.0		N D	
		HD=LOAN LEASE/BORROW/OUT DUE					
		EM=Z99/99/99					
1	HD	DATE-REPAIR-RETURN-DUE	N	6.0		N D	
		HD=DATE/REPAIR/DUE					
		EM=Z99/99/99					
1	CB	EQUIP-IN-CODE	A	1		D	
		HD=EQUIP/IN/CODE					
1	CD	EQUIP-OUT-CODE	A	1		D	
		HD=EQUIP/OUT/CODE					
1	CE	EQUIP-MGMT-CODE	A	1		D	
		HD=EQUIP/MGMT/CODE					
1	CF	IDLE-EQUIP-CODE	A	1			

		HD=IDLE/EQUIP/CODE			
1	CG	LABOR-COST-LAST-SERV	N	6.0	N
		HD=LABOR/COST/LAST			
		EM=ZZZZZ9			
1	CH	LABOR-COST-YTD	N	6.0	N
		HD=LABOR/COST/YTD			
		EM=ZZZZZ9			
1	CI	LABOR-COST-TD	N	7.0	N
		HD=LABOR/COST/TD			
		EM=ZZZZZZ9			
1	CJ	PARTS-COST-LAST-SERV	N	6.0	N
		HD=PARTS/COST/LAST			
		EM=ZZZZZ9			
1	CK	PARTS-COST-YTD	N	6.0	N
		HD=PARTS/COST/YTD			
		EM=ZZZZZ9			
1	CL	PARTS-COST-TD	N	7.0	N
		HD=PARTS/COST/TD			
		EM=ZZZZZZ9			
1	CM	NO-OF-TIMES-SERV	N	3.0	N
		HD=NO OF/TIMES/SERV			
		EM=ZZ9			
1	CN	DATE-LAST-SERV	N	6.0	N
		HD=DATE/LAST/SERVICED			
		EM=Z99/99/99			
1	CO	CONTRACTOR-CONVEYOR	A	9	N
		HD=CONTRACTOR/CONVEYOR			
1	CP	INST-CONVEYOR	N	4.0	N
		HD=INST/CONVEYOR			

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

DB 0		File 188 - NEMS-EQUIPMENT		Default Sequence			
TYL	DB	Name	F	Leng	S	D	Remarks
---	---	-----	---	---	---	---	-----
1	CQ	CONTRACTOR-RECEIVER	A	9		N	
		HD=CONTRACTOR/RECEIVER					
1	CR	INST-RECEIVER	N	4.0		N	
		HD=INST/RECEIVER					
1	CS	FREEZE-NO	N	10.0		D	
		HD=FREEZE NO					
1	CT	PREVIOUS-ECN	A	7		N	
		HD=PREVIOUS/ECN					
1	HE	PREV-CUST-ACCT-NO	A	5		N	
		HD=PREV/CUST/ACCT					
1	CU	MFG-NAME	A	30		N	
		HD=MANUFACTURER NAME					
M 1	CW	ENTRY-REF-NO	N	10.0		N	
		HD=ENTRY/REF NO					
M 1	CX	TRANS-NO	A	3		N	
		HD=TRANS/NO					
1	CY	LOCAL-DATA	A	70		N	
		HD=LOCAL/DATA					
1	PA	EXCESS-CASE-NUMBER	A	14		N	D
1	SA	FED-SUPPLY-GROUP	A	2		N	S
1	GJ	LOCATION	A	5			D
M 1	DA	PROP-TRNSCTN-ERN-NMBR	N	12.0		N	
		HD=NPDS/ENTRY/REF NO					
M 1	DB	PROP-TRNSCTN-ID	A	4		N	
		HD=NPDS/TRANS/id					

DB 0 File 190 - NEMS-HISTORY Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
---	---	-----	---	---	---	---	-----
1	KE	HISTORY-KEY	A	10		D	
		HD=HISTORY/KEY					
1	AA	ECN	A	7		D	
		HD=ECN					
G 1	AB	INST-NO					
		HD=INST/NO					
2	A1	INST-ACCT	N	2.0			
		HD=INST/ACCT					
2	A2	INST-SUB	N	2.0		D	
		HD=INST/SUB					
1	AC	ITEM-NAME	A	30	N	D	
		HD=ITEM NAME					
1	HA	ITEM-NAME-STD	A	1	N		
		HD=ITEM/NAME/STD					
1	AD	MFG-CODE	A	5		D	
		HD=MFG/CODE					
1	AE	MFG-MODEL-NO	A	20	N	D	
		HD=MFG MODEL NO					
1	AF	MFG-SERIAL-NO	A	20	N	D	
		HD=MFG SERIAL NO					
1	AG	YEAR-MFG	A	2		D	
		HD=YEAR/MFG					
1	AH	NATIONAL-STOCK-NO	A	13	N		
		HD=NATIONAL/STOCK NO					

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

1	AI	COST	N	9.2	N
		HD=COST			
1	AJ	CAP-SENS-CODE	A	1	
		HD=CAP/SENS/CODE			
1	AK	AVAIL-STATUS-CODE	A	1	
		HD=AVAIL/STATUS/CODE			
1	AL	DATE-STATUS-CODED	N	6.0	N
		HD=DATE/STATUS/CODED			
		EM=Z(9)99/99/99			
1	AM	DATE-NASA-ACQ	N	6.0	
		HD=DATE/NASA ACQ			
		EM=Z(9)99/99/99			
1	AO	DATE-INST-ACQ	N	6.0	
		HD=DATE/INST ACQ			
		EM=Z(9)99/99/99			
1	AP	ACQ-TRANS-NO	A	3	D
		HD=ACQ/TRANS/NO			
1	AQ	ACQ-ENTRY-REF-NO	N	10.0	
		HD=ACQ ENTRY/REF NO			
1	AR	ACQ-DOC-CNTL-NO	A	11	N D
		HD=ACQ DOC/CONTROL NO			
1	HB	LAST-TRANS-NO	A	3	D
		HD=LAST/TRANS/NO			
1	HC	LAST-ENTRY-REF-NO	N	10.0	
		HD=LAST ENTRY/REF NO			
1	AU	CUST-ACCT-NO	A	5	N
		HD=CUST/ACCT/NO			
1	AV	CUST-NO	A	6	N
		HD=CUST/NO			

1 AW CUST-ORG-CODE

A 7 N

HD=CUST/ORG/CODE

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

DB 0 File 190 - NEMS-HISTORY

Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	AX	USER-NO HD=USER/NO	A	6		N	
1	AY	EQUIP-ZIP-CODE HD=EQUIP/ZIP/CODE	A	5			
1	AZ	EQUIP-BUILDING HD=EQUIP/BLDG	A	10		N	
1	BA	EQUIP-ROOM HD=EQUIP/ROOM	A	5		N	
1	BB	EQUIP-TYPE-ACCT HD=EQUIP/TYPE/ACCT	N	4.0		N	
1	BC	DATE-INVENTORIED HD=DATE/INVENTORIED EM=Z(9)99/99/99	N	6.0		N D	
1	BD	OLD-TAG-NO HD=OLD/TAG NO	A	8		N D	
1	BE	DATE-AVAILABLE HD=DATE/AVAILABLE EM=Z(9)99/99/99	N	6.0		N	
1	BF	EST-COST-CODE HD=EST/COST/CODE	A	1			
1	BG	CONDITION-CODE HD=COND/CODE	A	2			
1	BH	UNIQUE-EQUIP-NO HD=UNIQUE/EQUIP NO	A	8		N D	
1	BI	HAZ-MATERIAL-CODE	A	1			

		HD=HAZ/MAT/CODE			
1	BJ	PREC-METAL-CODE	A	1	
		HD=PREC/METAL/CODE			
1	BK	DATE-LAST-CALIBRATED	N	6.0	N
		HD=DATE LAST/CALIBRATED			
		EM=Z(9)99/99/99			
1	BL	DATE-CALIBRATION-DUE	N	6.0	N
		HD=DATE/CAL/DUE			
		EM=Z(9)99/99/99			
1	BM	DATE-WRNTY-EXP-MATERIAL	N	4.0	N
		HD=DATE WRNTY/EXP-MAT			
		EM=99/99			
1	BN	DATE-WRNTY-EXP-LABOR	N	4.0	N
		HD=DATE WRNTY/EXP-LABOR			
		EM=99/99			
1	BO	OTHER-AGENCY-NO	N	2.0	N
		HD=OTHER/AGENCY/NO			
1	BP	CONTRACTOR-TAG-NO	A	13	N
		HD=CONTRACTOR/TAG NO			
1	BQ	CONTRACTOR-ACCT	A	9	N D
		HD=CONTRACTOR/ACCT			
1	BR	L-L-DOC-NO	A	6	N D
		HD=LOAN/LEASE/DOC NO			
1	BS	DATE-L-L-B-IN-DUE	N	6.0	N
		HD=LOANLEASE/BORROW/IN DUE			
		EM=Z(9)99/99/99			
1	BT	DATE-LOANED-OUT	N	6.0	N
		HD=DATE/LOANED/OUT			
		EM=Z(9)99/99/99			

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

DB 0 File 190 - NEMS-HISTORY

Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	BU	DATE-LEASED-OUT	N	6.0		N	
		HD=DATE/LEASED/OUT					
		EM=Z(9)99/99/99					
1	BV	DATE-SHIPPED-OTHER-INST	N	6.0		N	
		HD=DATE/SHIPPED/OTHER INST					
		EM=Z(9)99/99/99					
1	BW	DATE-BORROWED-OUT	N	6.0		N	
		HD=DATE/BORROWED/OUT					
		EM=Z(9)99/99/99					
1	BX	DATE-STORAGE-DUE	N	6.0		N	
		HD=DATE/STORAGE/DUE					
		EM=Z(9)99/99/99					
1	BZ	DATE-STORED-IN	N	6.0		N	
		HD=DATE/STORED/IN					
		EM=Z(9)99/99/99					
1	CA	DATE-L-L-B-OUT-DUE	N	6.0		N	
		HD=LOAN LEASE/BORROW/OUT DUE					
		EM=Z(9)99/99/99					
1	HD	DATE-REPAIR-RETURN-DUE	N	6.0		N	
		HD=DATE/REPAIR/DUE					
		EM=Z(9)99/99/99					
1	CB	EQUIP-IN-CODE	A			1	
		HD=EQUIP/IN/CODE					
1	CD	EQUIP-OUT-CODE	A			1	
		HD=EQUIP/OUT/CODE					

1	CE	EQUIP-MGMT-CODE	A	1	
		HD=EQUIP/MGMT/CODE			
1	CF	IDLE-EQUIP-CODE	A	1	
		HD=IDLE/EQUIP/CODE			
1	CG	LABOR-COST-LAST-SERV	N	6.0	N
		HD=LABOR/COST/LAST			
1	CH	LABOR-COST-YTD	N	6.0	N
		HD=LABOR/COST/YTD			
1	CI	LABOR-COST-TD	N	7.0	N
		HD=LABOR/COST/TD			
1	CJ	PARTS-COST-LAST-SERV	N	6.0	N
		HD=PARTS/COST/LAST			
1	CK	PARTS-COST-YTD	N	6.0	N
		HD=PARTS/COST/YTD			
1	CL	PARTS-COST-TD	N	7.0	N
		HD=PARTS/COST/TD			
1	CM	NO-OF-TIMES-SERV	N	3.0	N
		HD=NO OF/TIMES/SERV			
		EM=ZZ9			
1	CN	DATE-LAST-SERV	N	6.0	N
		HD=DATE/LAST/SERVICED			
		EM=Z(9)99/99/99			
1	CO	CONTRACTOR-CONVEYOR	A	9	N
		HD=CONTRACTOR/CONVEYOR			
1	CP	INST-CONVEYOR	N	4.0	N
		HD=INST/CONVEYOR			
1	CQ	CONTRACTOR-RECEIVER	A	9	N
		HD=CONTRACTOR/RECEIVER			
1	CR	INST-RECEIVER	N	4.0	N

NEMS Inventory Operations Guide  
Version 3.9  
March 1997

HD=INST/RECEIVER

DB 0 File 190 - NEMS-HISTORY

Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	CS	FREEZE-NO	N	10.0			
		HD=FREEZE NO					
1	HF	NEW-ECN	A	7	N		
		HD=NEW/ECN					
1	CT	PREVIOUS-ECN	A	7	N		
1	HE	PREV-CUST-ACCT-NO	A	5	N		
		HD=PREV/CUST/ACCT					
1	CU	MFG-NAME	A	30	N		
		HD=MANUFACTURER NAME					
M 1	CW	ENTRY-REF-NO	N	10.0	N		
		HD=ENTRY/REF NO					
M 1	CX	TRANS-NO	A	3	N		
		HD=TRANS/NO					
1	CY	LOCAL-DATA	A	70	N		
		HD=LOCAL/DATA					
1	CZ	DELETE-DATE	N	6.0	N	D	
		HD=DELETE/DATE					
		EM=Z(9)99/99/99					
1	PA	EXCESS-CASE-NUMBER	A	14	N	D	
1	SA	FED-SUPPLY-GROUP	A	2	N	S	
1	GJ	LOCATION	A	5	N		
M 1	DA	PROP-TRNSCTN-ERN-NMBR	N	12.0	N		
		HD=NPDMS/ENTRY/REF NO					
M 1	DB	PROP-TRNSCTN-ID	A	4	N		
		HD=NPDMS/TRANS/id					

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

DB 0 File 187 - NEMS-DAILY-TRANS Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	AA	ECN	A	7		D	
		HD=ECN					
G 1	AB	INST-NO					
		HD=INST/NO					
2	A1	INST-ACCT	N	2.0			
		HD=INST/ACCT					
2	A2	INST-SUB	N	2.0			
		HD=INST/SUB					
1	AC	ITEM-NAME	A	30	N	D	
		HD=ITEM NAME					
1	HA	ITEM-NAME-STD	A	1	N		
		HD=ITEM/NAME/STD					
1	AD	MFG-CODE	A	5		D	
		HD=MFG/CODE					
1	AE	MFG-MODEL-NO	A	20	N	D	
		HD=MFG MODEL NO					
1	AF	MFG-SERIAL-NO	A	20	N		
		HD=MFG SERIAL NO					
1	AG	YEAR-MFG	A	2			
		HD=YEAR/MFG					
1	AH	NATIONAL-STOCK-NO	A	13	N		
		HD=NATIONAL/STOCK NO					
1	AI	COST	N	9.2	N		
		HD=COST					
1	AJ	CAP-SENS-CODE	A	1			

		HD=CAP/SENS/CODE			
1	AK	AVAIL-STATUS-CODE	A	1	D
		HD=AVAIL/STATUS/CODE			
1	AL	PREV-AVAIL-STATUS-CODE	A	1	
		HD=PREV/AVAIL/STATUS			
1	AM	DATE-NASA-ACQ	N	6.0	
		HD=DATE/NASA ACQ			
		EM=Z(9)99/99/99			
1	AO	DATE-INST-ACQ	N	6.0	
		EM=Z(9)99/99/99			
1	AR	ACQ-DOC-CNTL-NO	A	11	N
		HD=ACQ DOC/CONTROL NO			
1	AU	CUST-ACCT-NO	A	5	N D
		HD=CUST/ACCT/NO			
1	AV	CUST-NO	A	6	N D
		HD=CUST/NO			
1	AX	USER-NO	A	6	N D
		HD=USER/NO			
1	AY	EQUIP-ZIP-CODE	A	5	D
		HD=EQUIP/ZIP/CODE			
1	AZ	EQUIP-BUILDING	A	10	N D
		HD=EQUIP/BLDG			
1	BA	EQUIP-ROOM	A	5	N
		HD=EQUIP/ROOM			
1	BC	DATE-INVENTORIED	N	6.0	N
		HD=DATE/INVENTORIED			
		EM=Z(9)99/99/99			
1	BE	DATE-AVAILABLE	N	6.0	N
		HD=DATE/AVAILABLE			

NEMS Inventory Operations Guide  
Version 3.9  
March 1997

EM-Z(9)99/99/99

DB 0 File 187 - NEMS-DAILY-TRANS Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	BF	EST-COST-CODE	A		1		
		HD=EST/COST/CODE					
1	BG	CONDITION-CODE	A		2		
		HD=COND/CODE					
1	BH	UNIQUE-EQUIP-NO	A		8	N D	
		HD=UNIQUE/EQUIP NO					
1	BI	HAZ-MATERIAL-CODE	A		1		
		HD=HAZ/MAT/CODE					
1	BJ	PREC-METAL-CODE	A		1		
		HD=PREC/METAL/CODE					
1	BK	DATE-LAST-CALIBRATED	N	6.0		N	
		HD=DATE LAST/CALIBRATED					
		EM=Z(9)99/99/99					
1	BL	DATE-CALIBRATION-DUE	N	6.0		N	
		HD=DATE/CALIBRATION/DUE					
		EM=Z(9)99/99/99					
1	BM	DATE-WRNTY-EXP-MATERIAL	N	4.0		N	
		HD=DATE WRNTY/EXP-MAT					
		EM=99/99					
1	BN	DATE-WRNTY-EXP-LABOR	N	4.0		N	
		HD=DATE WRNTY/EXP-LABOR					
		EM=99/99					
1	BO	OTHER-AGENCY-NO	N	2.0		N	
		HD=OTHER/AGENCY/NO					
1	BP	CONTRACTOR-TAG-NO	A	13		N D	

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

		HD=CONTRACTOR/TAG NO			
1	BQ	CONTRACTOR-ACCT	A	9	N D
		HD=CONTRACTOR/ACCT			
1	BR	L-L-DOC-NO	A	6	N D
		HD=LOAN/LEASE/DOC NO			
1	BS	DATE-L-L-B-IN-DUE	N	6.0	N
		HD=LOAN LEASE/BORROW/IN DUE			
		EM=Z(9)99/99/99			
1	BT	DATE-LOANED-OUT	N	6.0	N
		HD=DATE/LOANED/OUT			
		EM=Z(9)99/99/99			
1	BU	DATE-LEASED-OUT	N	6.0	N
		HD=DATE/LEASED/OUT			
		EM=Z(9)99/99/99			
1	BV	DATE-SHIPPED-OTHER-INST	N	6.0	N
		HD=DATE/SHIPPED/OTHER INST			
		EM=Z(9)99/99/99			
1	BW	DATE-BORROWED-OUT	N	6.0	N
		HD=DATE/BORROWED/OUT			
		EM=Z(9)99/99/99			
1	BX	DATE-STORAGE-DUE	N	6.0	N
		HD=DATE/STORAGE/DUE			
		EM=Z(9)99/99/99			
1	CA	DATE-L-L-B-OUT-DUE	N	6.0	N
		HD=LOAN LEASE/BORROW/OUT DUE			
		EM=Z(9)99/99/99			
1	HD	DATE-REPAIR-RETURN-DUE	N	6.0	N
		HD=DATE/REPAIR/DUE			
		EM=Z(9)99/99/99			

DB 0 File 187 - NEMS-DAILY-TRANS

Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	CE	EQUIP-MGMT-CODE	A		1		
		HD=EQUIP/MGMT/CODE					
1	CF	IDLE-EQUIP-CODE	A		1		
		HD=IDLE/EQUIP/CODE					
1	CG	LABOR-COST-LAST-SERV	N	6.0		N	
		HD=LABOR/COST/LAST					
1	CJ	PARTS-COST-LAST-SERV	N	6.0		N	
		HD=PARTS/COST/LAST					
1	CN	DATE-LAST-SERV	N	6.0		N	
		HD=DATE/LAST/SERVICED					
		EM=Z(9)99/99/99					
1	CO	CONTRACTOR-CONVEYOR	A		9	N	
		HD=CONTRACTOR/CONVEYOR					
1	CP	INST-CONVEYOR	N	4.0		N	
		HD=INST/CONVEYOR					
1	CQ	CONTRACTOR-RECEIVER	A		9	N	
		HD=CONTRACTOR/RECEIVER					
1	CR	INST-RECEIVER	N	4.0		N	
		HD=INST/RECEIVER					
1	CS	FREEZE-NO	N	10.0			
		HD=FREEZE NO					
1	CT	PREVIOUS-ECN	A		7	N	
		HD=PREVIOUS/ECN					
1	CU	MFG-NAME	A	30		N	
		HD=MANUFACTURER NAME					

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

1	CW	ENTRY-REF-NO	N	10.0	N	D
		HD=ENTRY/REF NO				
1	CX	TRANS-NO	A	3	N	D
		HD=TRANS/NO				
1	CY	LOCAL-DATA	A	70	N	
		HD=LOCAL/DATA				
1	DA	PRINT-NEMS-1	A	1		D
		HD=PRINT/NEMS/1				
1	DB	CURRENT-DATE	N	6.0	N	
		HD=CURRENT/DATE				
		EM=Z(9)99/99/99				
1	DC	CURRENT-TIME	N	7.0	N	
		HD=CURRENT/TIME				
1	DD	NEMS-USER-ID	A	8		
		HD=NEMS/USER/ID				
1	DE	ADJUSTMENT-COST	N	9.2	N	
1	DF	RECON-CODE	A	1	N	
1	DG	ADJ-DOC-REF	A	11	N	
1	DH	PREV-CUST-ACCT-NO	A	5	N	
		HD=PREVIOUS/CUST-ACCT/NUMBER				
1	DI	PREV-NATIONAL-STOCK-NO	A	13	N	
		HD=PREVIOUS/NATIONAL/STOCK NO				
1	DJ	PREV-COST	N	9.2	N	
		HD=PREVIOUS/COST				
1	DK	PREV-CAP-SENS-CODE	A	1	F	
		HD=PREVIOUS/CAP SENS/CODE				
1	DL	PREV-USER-NO	A	6	N	
		HD=PREVIOUS/USER NO				
1	DM	PREV-CUST-NO	A	6	N	

HD=PREVIOUS/CUST NO

NEMS Inventory Operations Guide  
Version 3.9  
March 1997

DB 0 File 187 - NEMS-DAILY-TRANS

Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
---	---	-----	-	----	-	-	-----
1	SA	FED-SUPPLY-GROUP	A	2	N	S	

DB 0 File 193 - NEMS-MONTH-TRANS Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	AA	ECN	A	7		D	
		HD=ECN					
G 1	AB	INST-NO					
		HD=INST/NO					
2	A1	INST-ACCT	N	2.0			
		HD=INST/ACCT					
2	A2	INST-SUB	N	2.0			
		HD=INST/SUB					
1	AC	ITEM-NAME	A	30	N	D	
		HD=ITEM NAME					
1	HA	ITEM-NAME-STD	A	1	N		
		HD=ITEM/NAME/STD					
1	AD	MFG-CODE	A	5		D	
		HD=MFG/CODE					
1	AE	MFG-MODEL-NO	A	20	N	D	
		HD=MFG MODEL NO					
1	AF	MFG-SERIAL-NO	A	20	N		
		HD=MFG SERIAL NO					
1	AG	YEAR-MFG	A	2			
		HD=YEAR/MFG					
1	AH	NATIONAL-STOCK-NO	A	13	N		
		HD=NATIONAL/STOCK NO					
1	AI	COST	N	9.2	N		
		HD=COST					
1	AJ	CAP-SENS-CODE	A	1			

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

		HD=CAP/SENS/CODE			
1	AK	AVAIL-STATUS-CODE	A	1	D
		HD=AVAIL/STATUS/CODE			
1	AL	PREV-AVAIL-STATUS-CODE	A	1	
		HD=PREV/AVAIL/STATUS			
1	AM	DATE-NASA-ACQ	N	6.0	
		HD=DATE/NASA ACQ			
		EM=Z(9)99/99/99			
1	AO	DATE-INST-ACQ	N	6.0	
		EM=Z(9)99/99/99			
1	AR	ACQ-DOC-CNTL-NO	A	11	N
		HD=ACQ DOC/CONTROL NO			
1	AU	CUST-ACCT-NO	A	5	N D
		HD=CUST/ACCT/NO			
1	AV	CUST-NO	A	6	N D
		HD=CUST/NO			
1	AX	USER-NO	A	6	N D
		HD=USER/NO			
1	AY	EQUIP-ZIP-CODE	A	5	D
		HD=EQUIP/ZIP/CODE			
1	AZ	EQUIP-BUILDING	A	10	N D
		HD=EQUIP/BLDG			
1	BA	EQUIP-ROOM	A	5	N
		HD=EQUIP/ROOM			
1	BC	DATE-INVENTORIED	N	6.0	N
		HD=DATE/INVENTORIED			
		EM=Z(9)99/99/99			
1	BE	DATE-AVAILABLE	N	6.0	N
		HD=DATE/AVAILABLE			

EM=Z(9)99/99/99

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

DB 0 File 193 - NEMS-MONTH-TRANS Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	BF	EST-COST-CODE HD=EST/COST/CODE	A	1			
1	BG	CONDITION-CODE HD=COND/CODE	A	2			
1	BH	UNIQUE-EQUIP-NO HD=UNIQUE/EQUIP NO	A	8	N	D	
1	BI	HAZ-MATERIAL-CODE HD=HAZ/MAT/CODE	A	1			
1	BJ	PREC-METAL-CODE HD=PREC/METAL/CODE	A	1			
1	BK	DATE-LAST-CALIBRATED HD=DATE LAST/CALIBRATED EM=Z(9)99/99/99	N	6.0		N	
1	BL	DATE-CALIBRATION-DUE HD=DATE/CALIBRATION/DUE EM=Z(9)99/99/99	N	6.0		N	
1	BM	DATE-WRNTY-EXP-MATERIAL HD=DATE WRNTY/EXP-MAT EM=99/99	N	4.0		N	
1	BN	DATE-WRNTY-EXP-LABOR HD=DATE WRNTY/EXP-LABOR EM=99/99	N	4.0		N	
1	BO	OTHER-AGENCY-NO HD=OTHER/AGENCY/NO	N	2.0		N	
1	BP	CONTRACTOR-TAG-NO	A	13	N	D	

		HD=CONTRACTOR/TAG NO			
1	BQ	CONTRACTOR-ACCT	A	9	N D
		HD=CONTRACTOR/ACCT			
1	BR	L-L-DOC-NO	A	6	N D
		HD=LOAN/LEASE/DOC NO			
1	BS	DATE-L-L-B-IN-DUE	N	6.0	N
		HD=LOANLEASE/BORROW/IN DUE			
		EM=Z(9)99/99/99			
1	BT	DATE-LOANED-OUT	N	6.0	N
		HD=DATE/LOANED/OUT			
		EM=Z(9)99/99/99			
1	BU	DATE-LEASED-OUT	N	6.0	N
		HD=DATE/LEASED/OUT			
		EM=Z(9)99/99/99			
1	BV	DATE-SHIPPED-OTHER-INST	N	6.0	N
		HD=DATE/SHIPPED/OTHER INST			
		EM=Z(9)99/99/99			
1	BW	DATE-BORROWED-OUT	N	6.0	N
		HD=DATE/BORROWED/OUT			
		EM=Z(9)99/99/99			
1	BX	DATE-STORAGE-DUE	N	6.0	N
		HD=DATE/STORAGE/DUE			
		EM=Z(9)99/99/99			
1	CA	DATE-L-L-B-OUT-DUE	N	6.0	N
		HD=LOAN LEASE/BORROW/OUT DUE			
		EM=Z(9)99/99/99			
1	HD	DATE-REPAIR-RETURN-DUE	N	6.0	N
		HD=DATE/REPAIR/DUE			
		EM=Z(9)99/99/99			

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

DB 0 File 193 - NEMS-MONTH-TRANS Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	CE	EQUIP-MGMT-CODE	A		1		
		HD=EQUIP/MGMT/CODE					
1	CF	IDLE-EQUIP-CODE	A		1		
		HD=IDLE/EQUIP/CODE					
1	CG	LABOR-COST-LAST-SERV	N	6.0		N	
		HD=LABOR/COST/LAST					
1	CJ	PARTS-COST-LAST-SERV	N	6.0		N	
		HD=PARTS/COST/LAST					
1	CN	DATE-LAST-SERV	N	6.0		N	
		HD=DATE/LAST/SERVICED					
		EM=Z(9)99/99/99					
1	CO	CONTRACTOR-CONVEYOR	A		9	N	
		HD=CONTRACTOR/CONVEYOR					
1	CP	INST-CONVEYOR	N	4.0		N	
		HD=INST/CONVEYOR					
1	CQ	CONTRACTOR-RECEIVER	A		9	N	
		HD=CONTRACTOR/RECEIVER					
1	CR	INST-RECEIVER	N	4.0		N	
		HD=INST/RECEIVER					
1	CS	FREEZE-NO	N	10.0			
		HD=FREEZE NO					
1	CT	PREVIOUS-ECN	A		7	N	
		HD=PREVIOUS/ECN					
1	CU	MFG-NAME	A		30	N	
		HD=MANUFACTURER NAME					

1	CW	ENTRY-REF-NO	N	10.0	N	D
		HD=ENTRY/REF NO				
1	CX	TRANS-NO	A	3	N	D
		HD=TRANS/NO				
1	CY	LOCAL-DATA	A	70	N	
		HD=LOCAL/DATA				
1	DA	PRINT-NEMS-1	A	1		
		HD=PRINT/NEMS/1				
1	DB	CURRENT-DATE	N	6.0	N	
		HD=CURRENT/DATE				
		EM=Z(9)99/99/99				
1	DC	CURRENT-TIME	N	7.0	N	
		HD=CURRENT/TIME				
1	DD	NEMS-USER-ID	A	8		
		HD=USER/ID				
1	DE	ADJUSTMENT-COST	N	9.2	N	
1	DF	RECON-CODE	A	1	N	
1	DG	ADJ-DOC-REF	A	11	N	
1	DH	PREV-CUST-ACCT-NO	A	5	N	
		HD=PREVIOUS/CUST ACCT/NUMBER				
1	DI	PREV-NATIONAL-STOCK-NO	A	13	N	
		HD=PREVIOUS/NATIONAL/STOCK NO				
1	DJ	PREV-COST	N	9.2	N	
		HD=PREVIOUS/COST				
1	DK	PREV-CAP-SENS-CODE	A	1	F	
		HD=PREVIOUS/CAP SENS/CODE				
1	DL	PREV-USER-NO	A	6	N	
		HD=PREVIOUS/USER NO				
1	DM	PREV-CUST-NO	A	6	N	

NEMS Inventory Operations Guide  
Version 3.9  
March 1997

HD=PREVIOUS/CUST NO

DB 0 File 193 - NEMS-MONTH-TRANS

Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
---	--	-----	-	----	-	-	-----
1	SA	FED-SUPPLY-GROUP	A	2	N	S	

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

DB 0      File 194 - NEMS-REPORTS                      Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	AA	REPORT-NUMBER	A	3		D	
		HD=REPORT/NUMBER					
1	AC	REPORT-FREQ	A	2		D	
		HD=REPORT/FREQUENCY					
1	AE	REPORT-EFF-DATE	A	5		D	
		HD=EFFECTIVE/DATE					
1	AG	REPORT-USERID	A	8		D	
		HD=REQUESTING/USERID					
1	AH	REPORT-PARAMS	A	150		N	
		HD=REPORT PARAMETERS					
1	AI	REPORT-DEST	A	10		N	
		HD=REPORT/DESTINATION					
1	AK	REPORT-MAIL-STOP	A	7		N	
		HD=MAIL STOP					
1	AM	REPORT-COPIES	N	2.0		N	
		HD=NUMBER/COPIES					
1	AO	REPORT-DIST	A	20		N	
		HD=REPORT/DISTRIBUTION					
1	AQ	REPORT-INSTAL	A	40		N	
		HD=REPORT INSTALLATION					
1	AS	REPORT-XEROX	A	1			
		HD=XEROX/PRINT					
1	AU	REPORT-BINDING	A	1			
		HD=BINDING					
1	AW	REPORT-STATUS	A	1			

HD=REPORT/STATUS

1 BA REPORT-SELECTION A 250 N

HD=REPORT SELECTION VALUES

1 BD REPORT-WHERE A 250 N

HD=REPORT WHERE FIELDS

1 BG REPORT-SORT A 250 N

HD=REPORT SORT FIELDS

1 BJ REPORT-DISPLAY A 253 N

HD=REPORT DISPLAY FIELDS

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

DB 0 File 192 - NEMS-INVENTORY

Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	AA	INV-RECORD-TYPE	A	1	F	D	
1	AC	INV-PROCESS-TYPE	A	1	F	D	
1	AE	INV-ACCOUNT-TYPE	A	1	F	D	
1	AF	INV-PROCESS-FLAG	A	1	F	D	
1	AG	INV-DISCREPANCY-FLAG	A	1	F	D	
1	AI	INV-ACCOUNT-NO	A	5	N	D	
1	AJ	INV-LOCATION-NO	A	5	N	D	
1	AK	INV-SUB-ACCT-NO	A	5	N	D	
1	AO	INV-OPEN-DATE	A	8	N	D	
1	AQ	INV-PROCESS-DATE	A	8	N		
1	AU	INV-CLOSE-DATE	A	8	N		
1	AW	INV-DATE-STAMP	A	8	N		
1	AY	INV-TIME-STAMP	A	10	N		
1	BA	INV-USERID-STAMP	A	8	N		
1	BC	INV-ECN	A	7		D	
1	BD	INV-ITEM-NAME	A	30	N		
1	BF	INV-MFG-CODE	A	5			
1	BH	INV-MFG-MODEL-NO	A	20	N		
1	BJ	INV-MFG-SERIAL-NO	A	20	N		
1	BL	INV-DATE-INVENTORIED	N	6.0		D	
1	BN	INV-CUST-ACCT-NO	A	5	N	D	
1	BO	INV-LOCATION	A	5	N	D	
1	BP	INV-CUST-NO	A	6	N		
1	BR	INV-USER-NO	A	6	N		
1	BT	INV-EQUIP-ZIP-CODE	A	5			

1	BV	INV-EQUIP-BUILDING	A	10	N
1	BX	INV-EQUIP-ROOM	A	5	N
1	BZ	INV-IDLE-EQUIP-CODE	A	1	F
1	CA	INV-EQUIP-MGMT-CODE	A	1	F
1	CC	INV-EQUIP-IN-CODE	A	1	F
1	CE	INV-EQUIP-OUT-CODE	A	1	F
1	CF	INV-CAP-SENS-CODE	A	1	F
1	CH	INV-COST	N	9.2	N
1	CJ	INV-INST-ACCT	N	2.0	
1	CL	INV-INST-SUB	N	2.0	D
1	CN	INV-NEMS1-SW	A	1	F D
1	CP	INV-LOC-CHANGE-SW	A	1	F D
1	CQ	INV-ACCT-LOC-SW	A	1	N
1	ZA	SUPER-INV-DISCREPANCY	A	10	S
1	ZB	SUPER-INV-PROCESS-CUST	A	9	N S
1	ZC	SUPER-INV-PROCESS-LOC	A	9	N S



DB 0 File 195 - NEMS-TABLE Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
1	TA	TABLE-ID-KEY	A	13		D	
		HD=TABLE/ID-KEY					
1	AB	T-MFG-NAME	A	30	N	D	
		HD=MANUFACTURER NAME					
1	AC	T-MFG-ADDR	A	40	N		
		HD=MANUFACTURER ADDRESS					
1	BB	T-EQUIP-TYPE-ACCT	N	4.0	N		
		HD=EQUIP/TYPE/ACCT					
1	BC	T-FED-SUP-GP-DEF	A	70	N		
		HD=FEDERAL SUPPLY/GROUP DEFINITION					
1	CB	T-EQUIP-TYPE-ACCT-DEF	A	50	N		
		HD=EQUIPMENT TYPE/ACCOUNT DEFINITION					
1	DB	T-CUST-NO	A	6	N		
		HD=CUST/NO					
1	DC	T-CUST-NAME	A	30	N	D	
		HD=CUSTODIAN NAME					
1	DG	T-CUST-ACCT-NAME	A	30	N		
		HD=CUST/ACCT/NAME					
1	DD	T-CUST-MAIL-CODE	A	7	N		
		HD=CUST/MAIL/CODE					
1	DF	T-CUST-ORG-CODE	A	7	N		
		HD=CUST/ORG CODE					
1	DH	T-PHONE-NO	A	19	N		
		HD=PHONE/NUMBER					
1	EB	T-USER-NAME	A	30	N	D	

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

		HD=USER NAME			
1	FB	T-BUILDING-NAME	A	20	N D
		HD=BUILDING NAME			
1	GB	T-CAP-SENS-CODE-DEF	A	35	N
		HD=CAPITAL SENSITIVE/CODE DEFINITION			
1	HB	T-AGENCY-NAME	A	50	N
		HD=AGENCY NAME			
1	HC	T-AGENCY-ACRONYM	A	20	N
		HD=AGENCY ACRONYM			
1	IB	T-EQUIP-MGMT-CODE-DEF	A	70	N
		HD=EQUIPMENT MANAGEMENT/CODE DEFINITION			
1	JB	T-EQUIP-IN-CODE-DEF	A	70	N
		HD=EQUIPMENT IN/CODE DEFINITION			
1	KB	T-EQUIP-OUT-CODE-DEF	A	70	N
		HD=EQUIPMENT OUT/CODE DEFINITION			
1	LB	T-HAZ-MAT-CODE-DEF	A	3	N
		HD=HAZ MAT/CODE DEF			
1	MB	T-PREC-METAL-CODE-DEF	A	3	N
		HD=PREC METAL/CODE DEF			
1	NB	T-IDLE-EQUIP-CODE-DEF	A	3	N
		HD=IDLE EQUIP/CODE DEF			
1	OC	T-INST-NAME	A	40	N
		HD=INSTALLATION NAME			
1	OD	T-INST-ACRONYM	A	4	N
		HD=INST/ACRONYM			
1	OE	T-INST-ZIP-CODE	N	5.0	N
		HD=INST/ZIP/CODE			
1	OG	T-INST-DELETE-FORM	A	4	N
		HD=INST/DELETE/FORM			

1 PB T-AVAIL-STAT-CODE-DEF

A 20 N

NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

DB 0 File 195 - NEMS-TABLE Default Sequence

TYL	DB	Name	F	Leng	S	D	Remarks
-----							
		HD=AVAILABILITY STATUS/CODE DEFINITION					
1	QB	T-CONDITION-CODE-DEF	A	25		N	
		HD=CONDITION CODE/DEFINITION					
1	RB	T-TRANS-NAME	A	70		N	
		HD=TRANSACTION NAME					
1	RC	T-TRANS-TYPE	A	1		N	
		HD=TRANS/TYPE					
1	RD	T-SHORT-TRANS-NAME	A	30		N	
		HD=SHORT TRANS NAME					
1	TC	TABLE-DESC	A	40		N	
		HD=TABLE DESCRIPTION					
1	TD	TABLE-AUTH	A	4		N	
		HD=TABLE AUTH					
1	UA	T-USERID-NAME	A	30		N	
		HD=USERID NAME					
1	UB	T-USERID-INST-ACCT	A	2		N	
		HD=USERID/INST/ACCT					
1	UC	T-USERID-INST-SUB	A	2		N	
		HD=USERID/INST/SUB					
G 1	UD	T-USERID-AUTH					
		HD=USERID AUTHORITY					
2	UE	T-EQUIP-AUTH	A	1		N	
		HD=EQUIP/AUTH					
2	UF	T-REPORT-AUTH	A	1		N	
		HD=REPORT/AUTH					

2	UG	T-TABLE-AUTH	A	1	N
		HD=TABLE/AUTH			
2	UH	T-ADHOC-AUTH	A	1	N
		HD=ADHOC/AUTH			
2	UI	T-MAINT-AUTH	A	1	N
		HD=MAINT/AUTH			
1	VA	T-ERROR-MESSAGE	A	70	N
		HD=ERROR MESSAGE			
1	WA	T-ENTRY-REFERENCE-NO	N	4.0	N
		HD=ENTRY/REFERENCE/NUMBER			
1	WB	T-FREEZE-NO	N	4.0	N
		HD=FREEZE/NUMBER			
1	XA	T-REPORT-NAME	A	60	N
		HD=REPORT NAME			
1	XB	T-REPORT-OPTIONS	A	1	N
		HD=REPORT OPTIONS			
1	XC	T-REPORT-RUNS	N	5.0	N
		HD=NUMBER/RUNS			
1	YA	T-ACCEPT-REJECT-REASON	A	70	N
		HD=ACCEPT-REJECT REASON			
1	SA	TABLE-ID	A	3	S
1	SB	TABLE-KEY	A	10	S



1	SA	STA-TRANS-NO-ENTRY-REF	A	13	N S
1	SC	STA-ACCT-NO-ENTRY-REF	A	15	N S

## APPENDIX D - INVENTORY BATCH JCL

```
JCLJOB 050010X          //IRNEMSTR JOB (MSIRMNEMS004,4201),'NEMS PMGR',CLASS=D,
JCLJOB 050020 X        X//IRNEMSMP JOB (MSIRMNEMS004,4201),'NEMS PGMR',CLASS=D,
JCLJOB 050030 X        //IRNEMSUP JOB (MSIRMNEMS004,4201),'NEMS PGMR',CLASS=D,
JCLJOB 050040 X        //IRNEMSLX JOB (MSIRMNEMS004,4201),'NEMS PROG',CLASS=D,
JCLJOB 050060 X        //IRNEM999 JOB (MSIRMNEMS004,4201),'NEMS PGMR',CLASS=D,
JCLJOB 050110 X //IRNEMSNT JOB (MSIRMNEMS004,4201),'NEMS PGMR',CLASS=D,
JCLJOB2 050310XXXX X  XX//          MSGCLASS=I,NOTIFY=XXXXX
JCLJOB2 050312XXXX X  XX/*JOBPARM L=150,LINECT=66
JCLOUTP 050910XXXX X  XX//HP4201  OUTPUT DEFAULT=NO,CLASS=I,DEST=U1109
JCLOUTP 050915XXXX X  XX//HP1342  OUTPUT DEFAULT=NO,CLASS=I,DEST=U1109
JCLOUTP 050920XXXX X  XX//HP1602  OUTPUT DEFAULT=NO,CLASS=I,DEST=U1109
JCLOUTP 050910XXXX X  XX//LP4201  OUTPUT DEFAULT=NO,CLASS=7,DEST=HCCA,WRITER=P3103102
JCLEXEC 100010XXXX X  XX//NEMSNAT1 EXEC N01Z
JCLDD 100110XXXX X  XX//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,(50,10))
JCLDD 100120XXXX X  XX//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,(50,10))
JCLDD 100130XXXX X  XX//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,(50,10))
JCLDD 100150XXXX X  XX//SORTWK04 DD UNIT=SYSDA,SPACE=(CYL,(50,10))
JCLDD 100160XXXX X  XX//SORTWK05 DD UNIT=SYSDA,SPACE=(CYL,(50,10))
```

```

JCLDD  100165XXXX X  XX//SORTWK06 DD UNIT=SYSDA,SPACE=(CYL,(50,10))
JCLDD  100180XXXX X  XX//SORTOUT DD DUMMY,DCB=BLKSIZE=80
JCLDD  100200XXXX X  XX//DDSORTIN DD DISP=(,DELETE),DCB=RECFM=FB,
JCLDD  100210XXXX X  XX//                               UNIT=SYSDA,SPACE=(CYL,(1,3))
JCLDD  100220XXXX X  XX//DDSORTUT DD UNIT=SYSDA,DISP=(,DELETE) ,DCB=RECFM=FB,SPACE=(CYL,(1,3))
JCLDD  100230XXXX X  XX//SYSOUT DD SYSOUT=*
JCLDD  100240XXXX X  XX//SORTMSG DD SYSOUT=*
JCLDD  100250XXXX X  XX//SYSPRINT DD SYSOUT=*
JCLDD  100270XXXX X  XX//DDPRINT DD SYSOUT=*
JCLDD  100310XXXX X  XX//CMPRINT DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1
JCLPRINT100310      //CMPRINT DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1
JCLDD  100311 X      //CMPRT02 DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1
JCLPRINT100311      //CMPRT02 DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1
JCLDD  100360 X X    //CMPRT04 DD SYSOUT=(,),OUTPUT=(*.HP1602),COPIES=1
JCLDD  100365 X X    //CMPRT05 DD SYSOUT=(,),OUTPUT=(*.HP1342),COPIES=1,DCB=BLKSIZE=84
JCLDD  100410XXXX X  XX//CMWKF01 DD SYSOUT=(A,INTRDR),DCB=(RECFM=F,LRECL=80,BLKSIZE=6160)
JCLDD  100420XXXX X  XX//CMWKF02 DD DSN=MSIRM.NEMS.JOURNAL,DISP=MOD
JCLMSM02100430      M //CMWKF03 DD DUMMY,DCB=BLKSIZE=562
JCLMSM02100440      M //CMWKF04 DD DSN=MSIRM.NEMS.MNTHTRNS(+1),
JCLMSM02100441      M //                               DISP=(NEW,CATLG,DELETE),DCB=(NACCADM.MD,

```

NEMS Inventory Operations Guide  
Version 3.9  
March 1997

```

JCLMSM02100442      M //          RECFM=FB,LRECL=562,BLKSIZE=5620),UNIT=SYSDA,
JCLMSM02100443      M //          SPACE=(CYL,(1,3))
JCLDD   100470   X  X      //CMWKF07 DD DISP=(,DELETE),
JCLDD   100471   X  X      //          UNIT=SYSDA,SPACE=(CYL,(1,3)),DCB=RECFM=FB
JCLMSM01100472      M //CMWKF07 DD DISP=(,DELETE),
JCLMSM01100473      M //          DCB=(RECFM=FB,LRECL=140,BLKSIZE=1400),
JCLMSM01100474      M //          UNIT=SYSDA,SPACE=(CYL,(1,1))
JCLMSA02100480      M //CMWKF08 DD DSN=MSIRM.NEMS.HISTDATA(+1),
JCLMSA02100481      M //          DISP=(NEW,CATLG,DELETE),DCB=(NACCADM.MD,
JCLMSA02100482      M //          RECFM=FB,LRECL=721,BLKSIZE=7210),UNIT=SYSDA,
JCLMSA02100483      M //          SPACE=(CYL,(1,3))
JCLDD   100490   X      //CMWKF09 DD DSN=&&NEMSWRK9,DISP=(,DELETE),
JCLDD   100491   X      //          UNIT=SYSDA,SPACE=(CYL,(1,1)),DCB=(RECFM=FB)
JCLDD   100495   X      //CMWKF10 DD DSN=&&NEMSWK10,DISP=(,DELETE),
JCLDD   100496   X      //          UNIT=SYSDA,SPACE=(CYL,(5,2)),DCB=(RECFM=FB)
JCLDD   100497   X //CMWKF12 DD DSN=MSIRM.NEMS.PROD.TRANSFER,DISP=SHR,
JCLDD   100498   X //          DCB=(RECFM=FB,LRECL=80,BLKSIZE=6160)
JCLDD   100499   X //CMWKF13 DD DSN=&&NEMSWK13,DISP=(,DELETE),
JCLDD   100500   X //          UNIT=SYSDA,SPACE=(CYL,(10,5),RLSE),
JCLDD   100501   X //          DCB=(RECFM=FB,LRECL=240,BLKSIZE=1920)

```

```

JCLDD  100502      X //CMWKF14  DD DSN=MSIRM.NEMS.NTS.TRANSFER(+1),DISP=(,CATLG,DELETE),
JCLDD  100503      X //                      DCB=(NACCADM.MD,RECFM=FB,LRECL=720,BLKSIZE=5760),
JCLDD  100504      X //                      UNIT=SYSDA,SPACE=(CYL,(1,1),RLSE)
JCLDD  100510XXXX X XX//CMSYNIN  DD *
JCLNATLG100511X XX X  X NEDEVL,NEBATCH
JCLNATLG100512X XX X  X %*
JCLNATLG100513X XX X  X NEBATCH
JCLPGM  100530X      JCLCHKP1 UTIL 01 2
JCLPGM  100532 X      JCLCHKP1 UTIL 02 2
JCLPGM  100534 X      JCLCHKP1 UTIL 03 2
JCLPGM  100538      JCLCHKP1 UTIL 05 2
JCLPGM  100540      X JCLCHKP1 UTIL 11 2
JCLPGM  100542      XJCLCHKP1 UTIL 12 2
JCLPGM  100547 X      MSD005P1
JCLPGM  100550 X      MSD001P1
JCLPGM  100555      MSD009P1_____/* X OUT OF CNTL 3 TO REMOVE 1342 PRINTS NEMS PRINT1
JCLPGM  100570      X  RPT999P1
JCLPGM  100574      X MSD008P1
JCLPGM  100576      MSD008P8
JCLMAINT100580      X MSZ099P1

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NEMS Inventory Operations Guide  
 Version 3.9  
 March 1997

```

JCLPGM 100582 X      INVBCHP1

JCLPGM 100585 X      TRN062PA

JCLPGM 100597      MSD008P1

JCLNAT 100598XXXX X  XXFIN

JCLECARD100599XXXX X  XX/*

JCLEXEC 400010XXX    XX//NEMSNAT2 EXEC N01Z,COND=(0,NE)

JCLDD 400110XXX      XX//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD 400120XXX      XX//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD 400130XXX      XX//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD 400150XXX      XX//SORTWK04 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD 400180XXX      XX//SORTOUT DD DUMMY,DCB=BLKSIZE=80

JCLDD 400200XXX      XX//DDSORTIN DD DISP=(,DELETE),DCB=RECFM=FB,

JCLDD 400210XXX      XX//          UNIT=SYSDA,SPACE=(CYL,(1,3))

JCLDD 400220XXX      XX//DDSORTUT DD UNIT=SYSDA,DISP=(,DELETE),SPACE=(CYL,(1,3)),DCB=RECFM=FB

JCLDD 400230XXX      XX//SYSOUT DD SYSOUT=*

JCLDD 400240XXX      XX//SORTMSG DD SYSOUT=*

JCLDD 400250XXX      XX//SYSPRINT DD SYSOUT=*

JCLDD 400260XXX      XX//SYSUDUMP DD SYSOUT=*

JCLDD 400270XXX X    XX//DDPRINT DD SYSOUT=*
JCLPRINT400310XXX    XX//CMPRINT DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1
  
```

```

JCLDD  400410XXX      XX//CMWKF01 DD SYSOUT=(A,INTRDR),DCB=(RECFM=F,LRECL=80,BLKSIZE=6160)

JCLDD  400420XXX      XX//CMWKF02 DD DSN=MSIRM.NEMS.JOURNAL,DISP=MOD

JCLDD  400510XXX      XX//CMSYNIN DD *

JCLNATLG400511X X    X NEDEVL,NEBATCH

JCLNATLG400512X X    X %*

JCLNATLG400513X X    X NEBATCH

JCLPGM  400530X          JCLCHKP1 UTIL 01 8

JCLPGM  400532 X        JCLCHKP1 UTIL 02 8

JCLPGM  400534 X        JCLCHKP1 UTIL 03 8

JCLPGM  400538          JCLCHKP1 UTIL 05 8

JCLPGM  400539          D MSD004P1

JCLPGM  400540          X JCLCHKP1 UTIL 11 8

JCLPGM  400542          XJCLCHKP1 UTIL 12 8

JCLNAT  400580XXX      XXFIN

JCLECARD400599XXX     XX/*

JCLEXEC 500010XXXX X   XX//NEMSNAT3 EXEC N01Z,COND=ONLY

JCLDD  500110XXXX X   XX//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD  500120XXXX X   XX//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD  500130XXXX X   XX//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

JCLDD  500150XXXX X   XX//SORTWK04 DD UNIT=SYSDA,SPACE=(CYL,(50,10))

```

NEMS Inventory Operations Guide  
Version 3.9  
March 1997

```

JCLDD  500180XXXX X  XX//SORTOUT DD DUMMY,DCB=BLKSIZE=80

JCLDD  500200XXXX X  XX//DDSORTIN DD DISP=(,DELETE),DCB=RECFM=FB,

JCLDD  500210XXXX X  XX//                               UNIT=SYSDA,SPACE=(CYL,(1,3))

JCLDD  500220XXXX X  XX//DDSORTUT DD UNIT=SYSDA,DISP=(,DELETE),DCB=RECFM=FB,SPACE=(CYL,(1,3))

JCLCOMM 500225XXXX X  XX//*

JCLDD  500230XXXX X  XX//SYSOUT DD SYSOUT=*

JCLDD  500240XXXX X  XX//SORTMSG DD SYSOUT=*

JCLDD  500250XXXX X  XX//SYSPRINT DD SYSOUT=*

JCLSPRNT500255      P      //SYSPRINT DD SYSOUT=*,COPIES=01

JCLDD  500260XXXX X  XX//SYSUDUMP DD SYSOUT=*

JCLDD  500270XXXX X  XX//DDPRINT DD SYSOUT=*

JCLPRINT500310XXXX      XX//CMPRINT DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1

JCLSPRNT500315      P      //CMPRINT DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1

JCLDD  500410XXXX X  XX//CMWKF01 DD SYSOUT=(A,INTRDR),DCB=(RECFM=F,LRECL=80,BLKSIZE=6160)

JCLDD  500420XXXX X  XX//CMWKF02 DD DSN=MSIRM.NEMS.JOURNAL,DISP=MOD

JCLDD  500510XXXX X  XX//CMSYNIN DD *

JCLNATLG500511X XX X  X NEDEVL,NEBATCH

JCLNATLG500512X XX X  X %*

JCLNATLG500513X XX X  X NEBATCH

JCLPGM  500530X      JCLCHKP1 UTIL 01 9

```

```

JCLPGM  500532 X      JCLCHKP1 UTIL 02 9
JCLPGM  500534 X      JCLCHKP1 UTIL 03 9
JCLPGM  500538        JCLCHKP1 UTIL 05 9
JCLPGM  500540        X JCLCHKP1 UTIL 11 9
JCLPGM  500542        XJCLCHKP1 UTIL 12 9
JCLPGM2 500579XXXX X  XXJRNRP1
JCLNAT  500580XXXX X  XXFIN
JCLECARD500599XXXX X  XX/*
JCLEXEC 600010        //NDBAT EXEC NDMBATCH,
JCLEXEC 600050        //          PROCLB1='MSIRM.NEMS.NDM.PROCESS.LIB'
JCLCOMM 600090        // *
JCLDD   600180        //SYSIN DD *
JCLDD   600190        SIGNON USERID=(XXXX,XXXX)
JCLDD   600200        SUBMIT PROC=NEMSHQ
JCLDD   600210        //****SEL PROC WHERE (QUEUE=A) TABLE
JCLDD   600220        /*
JCLCOMM 600910        // *
JCLCOMM 600920        // *
JCLEXEC 900010XXXX X  XX//NEMSNAT4 EXEC N01Z,COND=EVEN
JCLDD   900100XXXX X  XX//SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR
  
```

NEMS Inventory Operations Guide  
Version 3.9  
March 1997

```

JCLDD  900110XXXX X  XX//SORTWK01 DD UNIT=SYSDA,SPACE=(CYL,(50,10))
JCLDD  900120XXXX X  XX//SORTWK02 DD UNIT=SYSDA,SPACE=(CYL,(50,10))
JCLDD  900130XXXX X  XX//SORTWK03 DD UNIT=SYSDA,SPACE=(CYL,(50,10))
JCLDD  900150XXXX X  XX//SORTWK04 DD UNIT=SYSDA,SPACE=(CYL,(50,10))
JCLDD  900180XXXX X  XX//SORTOUT DD DUMMY,DCB=BLKSIZE=80
JCLDD  900200XXXX X  XX//DDSORTIN DD DISP=(,DELETE),DCB=RECFM=FB,
JCLDD  900210XXXX X  XX//          UNIT=SYSDA,SPACE=(CYL,(1,3))
JCLDD  900220XXXX X  XX//DDSORTUT DD UNIT=SYSDA,DISP=(,DELETE),DCB=RECFM=FB,SPACE=(CYL,(1,3))
JCLDD  900230XXXX X  XX//SYSOUT DD SYSOUT=*
JCLDD  900240XXXX X  XX//SORTMSG DD SYSOUT=*
JCLDD  900250XXXX X  XX//SYSPRINT DD SYSOUT=*
JCLSPRNT900255 P //SYSPRINT DD SYSOUT=*,COPIES=01
JCLDD  900260XXXX X  XX//SYSUDUMP DD SYSOUT=*
JCLDD  900270XXXX X  XX//DDPRINT DD SYSOUT=*
JCLPRINT900310XXXX XX//CMPRINT DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1
JCLSPRNT900315 P //CMPRINT DD SYSOUT=(,),OUTPUT=(*.HP4201),COPIES=1
JCLCOMM 900400XXXX X  XX//*
JCLDD  900410XXXX X  XX//CMWK01 DD SYSOUT=(A,INTRDR),DCB=(RECFM=F,LRECL=80,BLKSIZE=6160)
JCLDD  900420XXXX X  XX//CMWK02 DD DSN=MSIRM.NEMS.JOURNAL,DISP=MOD
JCLDD  900430 X //CMWK03 DD DSN=MSIRM.NEMS.JOURNAL,DISP=OLD

```

```
JCLDD  900510XXXX X  XX//CMSYNIN DD *
JCLNATLG900511X XX X  X NEDEVL,NEBATCH
JCLNATLG900512X XX X  X %*
JCLNATLG900513X XX X  X NEBATCH
JCLPGM  900530XXX      XXJCLGENP1 GEN
JCLPGM2 900535   X      JCLCHKP1 GLBL
JCLPGM2 900540   X      JCLCHKP1 REPT
JCLPGM  900570        X JRNRP1
JCLPGM  900571        X JRNCLRP1
JCLNAT  900580XXXX X  XXFIN
JCLECARD900599XXXX X  XX/*
JCLEOF  999999XXXX X  XX//
```