

**VERSION DESCRIPTION DOCUMENT FOR THE NASA SUPPLY  
MANAGEMENT SYSTEM (NSMS)**

Release 8.2.0

UNITeS Contract

August 2004



National Aeronautics and  
Space Administration

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

**VERSION DESCRIPTION DOCUMENT  
FOR THE  
NASA SUPPLY MANAGEMENT SYSTEM (NSMS)  
RELEASE**

Approved by

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
GEORGE C. MARSHALL SPACE FLIGHT CENTER  
HUNTSVILLE, ALABAMA

August 2004

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## **1 INTRODUCTION**

### **1.1 Identification of the Release**

This software release is identified as the National Aeronautics and Space Administration (NASA) Supply Management System (NSMS), Version Description Document (VDD), Release.

The release has an effective date of August 6, 2004. Support of the previous release expires on the implementation date of release. This release must be in Production on August 6, 2004.

### **1.2 Purpose of the Release**

This release includes system modifications as specified in Sections 2.0 and 3.0 of this document.

### **1.3 Scope of the Release**

This release provides the functional and technical user of NSMS with changes to the contents and status of the application NSMS, Version 8.2.0, including the following:

- Validation procedures to ensure the reliability of those changes.
- References to other documents affected by this release.
- Detail software installation procedures.

### **1.4 Contact Points**

Questions regarding the functional and/or technical aspects for NSMS, as well as the installation of this release, should be directed to:

Scott Neely at telephone number (256)544-1049 or  
by e-mail [Scott.Neely@msfc.nasa.gov](mailto:Scott.Neely@msfc.nasa.gov)  
The fax number is (256)544-1836.

## **2 FUNCTIONAL INFORMATION**

### **2.1 FUNCTIONAL CHANGES**

This release incorporates Requirement Changes (RC) approved by the Configuration Control Board (CCB).

This release includes the necessary modules to incorporate RC 0808, 0888, 0982, 1014, 1033, 1035, 1036, 1041, and 1043 approved by the CCB.

#### **1. Enhancement – Issue Suspense Cancellation 1620# - 0808**

When an issue is cancelled from issue suspense there is no way to tell from MONTRANS if it is still suspended without looking at the detail record for the absence of the "A" that appears on suspended issues. Even if the "A" is no longer there, the document still gives the appearance in MONTRANS as a suspended issue.

**ACTION** - If a suspended issue is cancelled, mark it with an asterisk in MONTRANS similar to the way that a suspended receipt is marked once it is worked.

#### **2. Enhancement – Application ID Field 1620# - 0888**

Currently the assets application id field only allows twenty (20) application IDs to be stored on each asset. Stennis has a real need for the field to be enlarged to a minimum of fifty (50) and a maximum of one hundred (100).

**ACTION** - Enlarge the application id being stored on the asset file to a maximum of sixty (60) for an asset record.

#### **3. Performance – Unit of Issue Brought Forward to Next Transaction 1620# - 0982**

When responding to the window to save or clear the data, and save is selected, the unit of issue is brought forward to the next transaction. The user may not notice that the unit of issue does not match the asset currently in use.

**ACTION** - Correct the process to pre-fill the unit of issue based on the asset unit of issue.

#### **4. Performance – Add Reason for Adjustment to Inventory Adjustment process (INVADJST) 1620# - 1014**

When safety critical items are received at the Center, they are tested to assure specifications are met. On occasion, a single item from a lot may be destroyed during the testing.

**ACTION** - Add an option under "Reason for Adjustment" that states "Inspection/Test/Destruction". The quantity should be allowed to be a decrease or an increase.

The 1324 report must be changed to include the new reason code (plus/minus). Include the new reason code and dollar amounts (plus/minus) in Section VIII - Materials Inventory Adjustment Value Detail In Dollars.

**5. Enhancement – Customer-ID Table Maintenance Auth. Programmed Stock Fields 1620# - 1033**

NSMS only allows 5 AUTH. PROGRAMMED STOCK OWNERSHIPS to be entered per CUSTOMER ID. Currently Stennis has 20 PROGRAM STOCK OWNERSHIPS to utilize the NOSC ORDERING ON LINE OPTION, we need the AUTH. PROGRAMMED STOCK OWNERSHIPS to be expanded to a minimum of 10 entries.

**ACTION** - Expand the table to allow 20 AUTH. PROGRAMMED STOCK OWNERSHIPS per customer.

**6. Regulatory – Invalid Delivery Date on Fed/Mil Due-In Transactions 1620# - 1035**

Blank value in Estimated Shipping Date (ESD) (columns 70-73) on Fed/Mil records of type AE1-Supply Status causes delivery date on Fed/Mil Due-In transactions to be updated to yyyy/01/00 where yyyy is the year following the Fed/Mil status update.

**ACTION** - Modify code to allow recorded delivery date on Fed/Mil Due-In transactions to be unaffected by blank value in Estimated Shipping Date (columns 70-73) on AE1-Supply Status records.

**7. Performance – Upon creation of an adjustment transaction through the FINAL ADJUSTMENT process in INVENTORY COUNTS, the RECORD STATUS fails to change to an "A". Upon viewing using the SCAN INVENTORY process, the RECORD STATUS is a "C". 1620# - 1036**

Upon further research - the "C" in the RECORD STATUS rather than an "A" only happens in the creation of adjustment transactions for Program Stock (non-traceable asset) during the FINAL ADJUSTMENT process of INVENTORY

COUNTS. In the module, NSSRABIN- Realign Bin Quantities, the RECORD STATUS is used in making sure all counts are complete, by the placement of a "C" for those entries with a count. This takes place only for PROGRAM Stock Non-traceable assets.

**ACTION** - Since the RECORD STATUS field can be used for record status of the inventory and whether or not the item has been counted, modifications will need to be made to the NSPUICAJ- Inventory Counts Asset Adjustments module to replace the "C" with an "A" for Program Stock, Non-Traceable inventory records that have gone through Final Adjustment and have generated an adjustment transaction. In this way both functions as designed will be kept in tact.

#### **8. Enhancement – 3 New Catalog Fields Needed 1620# - 1041**

To enhance the Catalog Search Abilities on over 9000 component type NSNs maintained in the NSMS maintained in the NSMS Catalog for Propulsion Test/Engineering Support. SSC is requesting the following 3 new Catalog files be added to NSMS/NOSC Catalog: 1) Body Material 2) End Connections 3) End to End Dimension.

**ACTION** - Add the 3 new fields and incorporate search abilities inside NSMS and NOSC. provide an adhoc read and populate new field values from existing Catalog Technical Description Data.

In an e-mail on September 08, 2003 from Donna Lossett, she pointed out some changes to the Temperature Units edit that were needed, but no CCR was created. The modules in question were already being modified in this CCR and Donna requested that we add the Temperature Units changes to this CCR. These changes are performance based and do not require a CCB vote. The Temperature Units field was required even if there were no values in the Min and Max Working Temperature. It will now only be required when one of these fields contains a value.

#### **9. Problem – Some ISPC transactions are not being extracted for the OUTGOING file for processing by IFMP 1620# - 1043**

Some batch NSMS transactions are not getting posted in SAP. I suspect that an error report may be created during posting, but the info is not getting to the right people for correction.

**ACTION** - The isdrr transaction problem was resolved in SAP and re-processed. The ISPC transactions are related to warehouse assets. Correct the process to set the IFM-PROCESS-IND to Yes for warehouse assets.



## **2.2 FUNCTIONAL INTERFACES**

This release has no functional impact on interfaces with other NASA legacy Agencywide Administrative Systems.

## **2.3 CRITICAL ISSUES**

No critical issues exist for this release.

## **2.4 AFFECTED DOCUMENTS**

The only document affected by this release is the NSMS-UOG-820, NSMS User and Operations Guide (UOG) dated July 2004.

## **2.5 APPLICATION SYSTEM ADMINISTRATION**

There are no application system administration changes associated with this release.

### **3 TECHNICAL INFORMATION**

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

#### **3.1 TECHNICAL SYSTEM INTERFACES**

This NSMS release has a technical impact on interfaces with other NASA legacy Agencywide Administrative Systems or configuration items.

#### **3.2 DATA DICTIONARY CHANGES**

Refer to Appendix D, Section 4.0, for the data dictionary changes in this release.

#### **3.3 SOFTWARE OBJECT CHANGES**

Modules affected by this release are included in Appendix D, Section 2.2.

#### **3.4 DATABASE ADMINISTRATION**

This section describes the database administration activities for installation of this release.

##### **3.4.1 Release Dataset Names**

Refer to Appendix D, Introduction section, for the release dataset names.

##### **3.4.2 Inventory of Objects**

Refer to Appendix D, Paragraph 2.1, for an inventory of Natural object types.

##### **3.4.3 Storage Considerations**

The changes represented by this release should not affect storage requirements.

##### **3.4.4 Installation Procedures**

Refer to Appendix D, Installation Instructions for NSMS Software Release 8.2.0 for detailed software installation procedures.

### **3.5 OPERATIONAL PREPARATION**

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of the release.

#### **4 KNOWN AND OPEN PROBLEMS**

There are no known or open problems related to this release.

## APPENDIX A

### LIST OF ACRONYMS

ADP	Automated Data Processing
CCB	Configuration Control Board
CCR	Change Control Request
DR	Discrepancy Report
IFMP	Integrated Financial Management Program
JCL	Job Control Language
JIT	Just In Time
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NASA	National Aeronautics and Space Administration
NSMS	NASA Supply Management System
NSN	National Stock Number
RC	Requirements Change
UOG	User and Operations Guide
VDD	Version Description Document

## **APPENDIX B**

### **GLOSSARY**

This document has no terms to be defined.

## APPENDIX C

### FUNCTIONAL CHANGE VALIDATION PROCEDURES

#### 1. Enhancement – Issue Suspense Cancellation 1620# - 0808

When an issue is cancelled from issue suspense, there is no way to tell from MONTRANS if it is still suspended without looking at the detail record for the absence of the “A” that appears on suspended issue. Even if the “A” is no longer there, the document still gives the appearance in MONTRANS as a suspended issue.

**ACTION** – If a suspended issue is cancelled, mark it with an asterisk in MONTRANS similar to the way that a suspended receipt is marked once it is worked.

#### VALIDATION

1. Using the System Security Maintenance (SECURITY) process, ensure that the tester’s security level is ‘U’ for Create Issue Directive. If security levels must be modified, remember to re-initialize (INIT) the session.
2. Using the Create Issue Directive (ISSUEPRE) process, create a Pre-Post Issue Suspense (ISPRS) transaction by issuing more units than the average monthly demand. When prompted to “Press Enter To Edit, 'S' To Suspend, Or 'C' To Cancel The Transaction:”, enter ‘S’ to suspend the transaction. Process to completion, making note of the document number. This transaction will be known as **Suspense1**.
3. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify **Suspense1**.
4. Using the Release Suspended Issues (RELSUSP) process, specify option ‘C’ (Cancel Transaction) to modify the **Suspense1** transaction. Press <Enter>. When prompted to “Press Enter To Edit, Or Type 'C' To Cancel The Transaction:”, enter ‘C’ to cancel the transaction.
5. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify that **Suspense1** is displayed with an asterisk “\*” following the Transaction Type.

#### 2. Enhancement – Request that the number of application id fields stored on each asset be increased to a minimum of fifty (50) and a maximum of one hundred (100) 1620# - 0888

Currently the assets application id field only allows twenty (20) application IDs to be stored on each asset. Stennis has a real need for the field to be enlarged to a minimum of fifty (50) and a maximum of one hundred (100).

**ACTION** – Enlarge the application id being stored on the asset file to a minimum of sixty (60) occurrences for an asset record.

## VALIDATION

1. Using the Catalog Scan (CATSCAN) process, determine a National Stock Number (NSN) which is not already on file. This NSN will be known as **NewCatalog1**.
2. Using the Add, Change, or Delete Catalog Detail (CATADCHG) process, create a catalog record for **NewCatalog1**, as follows:
  - Specify Local-NSN value of 'N', DLSC-Status Value of 'A'.
  - For Supply-Source, specify the Federal supply source determined earlier.
  - For the remaining non-required fields, enter a combination of blank and non-blank values, making note of the data values entered/left blank.
3. Using the Add, Change, or Delete asset (ADCHGAST) process, add one store stock asset, one program stock asset, and one standby stock asset for **NewCatalog1** as stocked items. For each asset, specify:
  - Estimated-Average-Monthly-Demand value of 100
  - Reorder-Exempt value of blank
  - Standby-Retention-Level of 20
  - Reorder-Point-Quantity value of 20
  - At least one Bin-IdThese assets will be identified as follows:
  - The store stock assets will be known as **Asset1**.
  - The program stock assets will be known as **Asset2**.
  - The standby stock assets will be known as **Asset3**.
4. Using the Application ID Table (APPLCID) process, add sufficient application IDs to the Application ID Table so that there are at least seventy(70) application IDs in the table, subject to the following:
  - Prior to adding any Application IDs to the table, determine a unique alphanumeric text string at least eight(8) characters long which is not contained in any Application ID already present in the table. This string will be known as **String1**.
  - Excluding both the first position and the last position of **String1**, substitute a single different character in any single character position inside **String1**. The position of the substitution within **String1** will be known as **Position1**. The modified string will be known as **String2**. Note: determine the substitution character such that **String2** is not contained in any Application ID already present in the table
  - Excluding both the first position and the last position of **String1**, select a single character position adjacent to **Position1** inside **String1**. This position within **String1** will be known as **Position2**. Substitute a single different character in **Position2** within **String1**.

- The modified string will be known as **String3**. Note: determine the substitution character such that **String3** is not contained in any Application ID already present in the table
- Add at least five(5) Application IDs which contain **String1**, placing **String1** at different relative positions within the IDs' respective character strings. Make note of these IDs.
  - Add at least five(5) Application IDs containing **String2** without **String1**, placing **String2** at different relative positions within the IDs' respective character strings. Make note of these IDs.
  - Add at least five(5) Application IDs containing **String3** without **String1** or **String2**, placing **String3** at different relative positions within the IDs' respective character strings. Make note of these IDs.
  - Add at least one Application ID with a blank in the leftmost character position.
  - After all additions to the Application ID table are complete, determine several invalid Application IDs, i.e., Application IDs which are not present in the Application ID table.
5. Using the Add, Change, or Delete asset (ADCHGAST) process, specify Action 'C' (Change) to modify **Asset1**, **Asset2**, and **Asset3**. Press <Enter> enough times to reach the "Display Options" pop-up submenu. Select the option "To Update Application IDS" to modify the Application IDs of **Asset1**, **Asset2**, and **Asset3**, as follows:
- Prior to addition of any Application IDs, attempt to scroll down using the <PF8> key. Verify the message "013 – End of Data".
  - Prior to addition of any Application IDs, attempt to scroll up using the <PF7> key. Verify the message "209 – Beginning of Data".
  - Without pressing <Enter>, type an invalid ID on the lower right Application ID line. This invalid ID will be known as **InvalidID1**. Press <PF8> to scroll down. Verify the message: "013 – End of Data" with all Application ID lines being blank.
  - Still without pressing <Enter>, type another invalid ID on the lower right Application ID line. This invalid ID will be known as **InvalidID2**. Press <PF8> to scroll down. Verify the message: "013 – End of Data" with all Application ID lines being blank.
  - Still without pressing <Enter>, type another invalid ID on the lower right Application ID line. This invalid ID will be known as **InvalidID3**. Press <PF8> to attempt to scroll down. Verify the message: "013 – End of Data" with **InvalidID3** on the lower right Application ID line.
  - Still without pressing <Enter>, press <PF7> to scroll up. Verify that **InvalidID2** is displayed on the lower right Application ID line.

- Still without pressing <Enter>, press <PF7> to scroll up. Verify the message: “209 – Beginning of Data”, with **InvalidID1** displayed on the lower right Application ID line.
  - Press <PF8> twice to scroll down to the end of data, with **InvalidID3** on the lower right Application ID line. Press <Enter>. Verify the message: “018 - Invalid Application Id - Please Reenter”, with **InvalidID1** highlighted on the lower right Application ID line.
  - Replace **InvalidID1** with a valid Application ID from the Application ID table. This valid ID will be known as **ID1**. Press <Enter>. Verify the message: “018 - Invalid Application Id - Please Reenter”, with **InvalidID2** highlighted on the lower right Application ID line.
  - Replace **InvalidID2** with another valid Application ID from the Application ID table. This valid ID will be known as **ID2**. Press <Enter>. Verify the message: “018 - Invalid Application Id - Please Reenter”, with **InvalidID3** highlighted on the lower right Application ID line.
  - Replace **InvalidID3** with **ID1**. Press <Enter>. Verify the message: “038 - Application Id Must Be Unique”, with **ID1** highlighted on the lower right Application ID line.
  - Replace the highlighted **ID1** with another valid Application ID from the Application ID table. This valid ID will be known as **ID3**.
  - Without pressing <Enter>, in non-sequential order, intersperse the five(5) Application IDs which contain **String1** among the gaps in each asset's Application ID sequence. Fill the remaining gaps with unique, valid IDs from the Application ID table. Use the <PF8> and <PF7> keys as necessary to scroll down/up to locate the desired insertion point for each additional Application ID. Proceed until all sixty(60) Application ID positions on each asset are filled. Make note of the respective final order of the Application IDs on each asset. Press <Enter>. Process each asset to completion.
6. Using the Asset Scan (SCANASET) process, verify the changes to the Application IDs of **Asset1**, **Asset2**, and **Asset3**, as follows:
- Use the <PF8> and <PF7> keys to scroll down/up as necessary to verify the values and the final order of the Application IDs on each asset, as entered.
  - Type **String1** in the Search-For ID field. Press <Enter>. Verify the following:
    - The Application ID display is positioned to that section of the Application ID sequence which contains the highlighted first occurrence of **String1** among all Application IDs on each respective asset.
    - Verify the message: “024 - Searched For 'xxxxxx’”, where ‘xxxxxx’ represents the true value of **String1**.

- Use the <PF8> and <PF7> keys to scroll down/up as necessary, verify the presence and the relative location of all ApplicationIDs containing **String1**—but not those which contain **String2** or **String3**—highlighted among all Application IDs on each respective asset.
- Type **String1** in the Search-For ID field, but, in **Position1**, substitute either a period(.), question mark(?), or underscore(\_). This modified string will be known as **String1-a**. Press <Enter>. Verify the following:
  - The Application ID display is positioned to that section of the Application ID sequence which contains the first occurrence of **String1-a**—with any character substituted for the period(.), question mark(?), or underscore(\_)—highlighted among all Application IDs on each respective asset. This includes **String1** or **String2**, but excludes **String3**.
  - Verify the message: “024 - Searched For 'xxxxxx’”, where ‘xxxxxx’ represents the true value of **String1-a**.
  - Use the <PF8> and <PF7> keys to scroll down/up as necessary, verify the presence and the relative location of all ApplicationIDs containing **String1** or **String2**—but not **String3**—highlighted among the respective Application IDs on each asset.
- Type **String1** in the Search-For ID field, but, for **Position1 and Position2**, substitute either a single asterisk(\*) or a single percent sign(%). This modified string will be known as **String1-b**. Press <Enter>. Verify the following:
  - The Application ID display is positioned to that section of the Application ID sequence which contains the first occurrence of **String1-b**—with any number of characters substituted for the single asterisk(\*) or single percent sign(%)—highlighted among all Application IDs on each respective asset. This includes **String1, String2, or String3**.
  - Verify the message: “024 - Searched For 'xxxxxx’”, where ‘xxxxxx’ represents the true value of **String1-b**.
  - Use the <PF8> and <PF7> keys to scroll down/up as necessary, verify the presence and the relative location of all ApplicationIDs containing **String1, String2, or String3**—highlighted among the respective Application IDs on each asset.
- For each asset, determine an invalid character string, i.e., a character string which is not present in any of the Application IDs for that asset. Type this invalid character string in the Search-For ID field. Press <Enter>. Verify the message: “157 - Requested Search String Not Found”.

7. Using the Asset Scan (SCANASET) process and the Application ID Table (APPLCID) process, for each asset—**Asset1**, **Asset2**, and **Asset3**—determine two(2) valid Application IDs which are not present on that asset. These Application IDs will be identified as follows:
  - The valid IDs for **Asset1** will be known as **ID4** and **ID5**.
  - The valid IDs for **Asset2** will be known as **ID6** and **ID7**.
  - The valid IDs for **Asset3** will be known as **ID8** and **ID9**.
8. Using the Add, Change, or Delete asset (ADCHGAST) process, specify Action 'C' (Change) to modify **Asset1**, **Asset2**, and **Asset3**. Press <Enter> enough times to reach the "Display Options" pop-up submenu. Select the option "To Update Application IDS" to modify the Application IDs of **Asset1**, **Asset2**, and **Asset3**, as follows:
  - Type **String1** in the Search-For ID field. Press <Enter>. Using the <PF8> and <PF7> keys as necessary, locate all Application IDs containing String1 within the Application ID sequence.
  - Without pressing <Enter>, using ID4, ID6, or ID8, as applicable, completely overtype one Application ID containing String1, padding with blanks as necessary.
  - Still without pressing <Enter>, completely erase all remaining Application IDs containing **String1**, using the <PF8> and <PF7> keys to scroll down/up as necessary. Make note of the relative location of the vacancies in the Application ID sequence produced by the erasures.
  - Still without pressing <Enter>, type **ID5**, **ID7**, or **ID9**, as applicable, in one of the vacancies on the corresponding asset. Press <Enter>. Process to completion.
9. Using the Asset Scan (SCANASET) process, verify the changes to **Asset1**, **Asset2**, and **Asset3**, as follows:
  - Vacancies produced by erasures within each Application ID sequence have been collapsed and are collected at the end of each respective sequence.
  - Substitutions made within each respective Application ID sequence remain in the same location relative to the Application IDs which were not erased in that sequence, allowing for the collapse & collection of vacancies at the end of that sequence.

### **3. Performance – Unit of Issue Brought Forward to Next Transaction 1620# - 982**

The unit of issue is brought forward to the next transaction when choosing the save option for Federal Demand items. The user may not notice that the unit of issue does not match the asset currently in use.

**ACTION** – Correct the process to pre-fill the unit of issue based on the asset unit of issue.

**NOTE** – The IFMP flag must be set to 'NO' to process a Direct Buy, otherwise the error '188 – UNVALID – DIRECT BUY MUST START IN IFMP' will be displayed.

## **VALIDATION**

1. Using the Add Change Or Delete Catalog Detail (CATADCHG) process, create two catalog records with unique NSNs. The first NSN will be known as **Catalog1**. The second NSN will be known as **Catalog2**. Make sure both have Federal Supply-Sources.
2. Using the Add, Change Or Delete Asset (ADCHGAST) process, create asset records with a Direct Delivery of 'Y' for **Catalog1** and **Catalog2** as follows:
  - For **Catalog1**, specify unit of issue value of 'FT'. This asset will be known as **Asset1**.
  - For **Catalog2**, specify unit of issue value of 'EA'. This asset will be known as **Asset2**.
3. Using the FED/MIL Order Demand Items (FEDEMAND) process, order quantity for **Asset1** and **Asset2** as follows:
  - Order quantity for **Asset1**. When prompted to "Enter 'C' or blank to clear the screen, 'S' to save fields for next transaction," select 'S' to save the fields.
  - Verify that the unit of issue value remains unchanged.
  - Type the asset key for **Asset2**. Press <Enter>.
  - Verify that the unit of issue has changed to **Asset2**'s unit of issue.

#### **4. Performance – Add Reason for Adjustment to Inventory Adjustment process (INVADJST) 1620# - 1014**

When safety critical items are received at the Center, they are tested to assure specifications are met. On occasion, a single item from a lot may be destroyed during the testing.

**ACTION** – Add an option under "Reason for Adjustment" that states "Inspection/Test/Destruction". The quantity should be allowed to be a decrease or an increase.

The 1324 report must be changed to include the new reason code (plus/minus). Include the new reason code and dollar amounts (plus/minus) in Section VIII - Materials Inventory Adjustment Value Detail In Dollars.

LIMS should be changed to reflect the new reason code.

## **SPECIAL NOTES:**

Testing the 1324 report requires executing the Asset Balance process. The Asset Balance process should be run as the last job of the day. Once this process has executed, no one should create any more transactions for that day. Catalog and asset updates (add, change, delete) should not be processed after the Asset Balance has run on that day. Transactions, as well as Catalog and Asset updates, can be created on the following day.

## VALIDATION

1. Using the Catalog Scan (CATSCAN) process, determine three (3) National Stock Numbers (NSNs) which are not already on file. These NSNs will be known as **NewCatalog1**, **NewCatalog2**, and **NewCatalog3**.
2. Using the Add, Change, or Delete Catalog Detail (CATADCHG) process, create catalog records for **NewCatalog1**, **NewCatalog2**, and **NewCatalog3**, as follows:
  - For each catalog record, specify Local-NSN value of 'N', DLSC-Status value of 'A'.
  - For each catalog record, make note of the respective Supply-Source value used.
  - For **NewCatalog1**, specify Trace-Code value of blank (non-traceable).
  - For **NewCatalog2**, specify Trace-Code value of 'L' (lot-batch).
  - For **NewCatalog3**, specify Trace-Code value of 'S' (serial).
  - For the remaining non-required fields, enter a combination of blank and non-blank values, making note of the data values entered/left blank.
3. Using the Add, Change, or Delete asset (ADCHGAST) process, add one (1) store stock asset, one (1) program stock asset, and one (1) standby stock asset for each of **NewCatalog1**, **NewCatalog2**, and **NewCatalog3**, as stocked items. For each asset, specify:
  - Estimated-Average-Monthly-Demand value of 100
  - Reorder-Exempt value of blank
  - Standby-Retention-Level of 20
  - Reorder-Point-Quantity value of 20
  - At least one (1) Bin-Id

These assets will be identified as follows:

- The store stock assets for **NewCatalog1**, **NewCatalog2**, and **NewCatalog3** will be known as **Asset1**, **Asset2**, and **Asset3**, respectively.
- The program stock assets for **NewCatalog1**, **NewCatalog2**, and **NewCatalog3** will be known as **Asset4**, **Asset5**, and **Asset6**, respectively.
- The standby stock assets for **NewCatalog1**, **NewCatalog2**, and **NewCatalog3** will be known as **Asset7**, **Asset8**, and **Asset9**, respectively.

4. Using the Receive Due-In Not-Due-In (DINOTDI) process, receive Not-Due-In quantity for **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8,** and **Asset9**, as follows:
  - Receive quantity of at least twenty (20) units for each asset.
  - For each receipt's Supply-Source value, specify the respective Supply-Source value used in the corresponding catalog record, **NewCatalog1, NewCatalog2,** or **NewCatalog3**.

Make note of the document number of each respective receipt transaction.

5. Using the Asset 1324 Balance (LICT1324) process, execute the batch job to produce an Asset 1324 Balance. Submit the batch job. Process to completion. Do not proceed until the batch job has completed. (See Special Notes.) This Asset 1324 Balance will be known as **Asset-Balance-1**.

**Special Note:** Do not continue processing the remainder of this test until the next day.

6. Using the Inventory Adjustment (INVADJST) process, attempt to adjust the quantity on-hand of **Asset1**, as follows:
  - Specify a quantity decrease and a Reason for Adjustment value of blank. Press <Enter>. Verify the message: "018 - Invalid Adjustment Reason - Please Reenter".
  - Specify a quantity increase and a Reason for Adjustment value of zero. Press <Enter>. Verify the message: "018 - Invalid Adjustment Reason - Please Reenter".
  - Specify a quantity decrease and a Reason for Adjustment value less than zero. Press <Enter>. Verify the message: "018 - Invalid Adjustment Reason - Please Reenter". Erase the Reason for Adjustment value.
  - Specify a quantity decrease and a Reason for Adjustment value greater than thirteen (13). Press <Enter>. Verify the message: "018 - Invalid Adjustment Reason - Please Reenter". Erase the Reason for Adjustment value.
  - Specify a quantity decrease and a Reason for Adjustment value of either 9 - Unspecified or 12 - Unspecified. Press <Enter>. Verify the message: "018 - Invalid Adjustment Reason - Please Reenter". Erase the Reason for Adjustment value.
  - Do not complete the adjustment. Press the <PF5> key to return to the NSMS Main Menu.
7. Using the Inventory Adjustment (INVADJST) process, adjust the quantities on-hand of **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8,** and **Asset9**, as shown below. The assets, the reasons, the reason codes, and the quantities increased/decreased for the respective adjustments are as follows:
  - **Asset1** Physical Inventory Discrepancy (Code 1) decrease by 2units
  - **Asset4** Physical Inventory Discrepancy (Code 1) increase by 5 units

- **Asset7** Damage/Destruction (Code 2) decrease by 1 unit
  - **Asset2** Obsolescence/Deterioration (Code 3) decrease by 4 units
  - **Asset5** Loss (Code 4) decrease by 2 units
  - **Asset8** Theft (Code 5) decrease by 3 units
  - **Asset3** Correct Adjust Done in Error (Code 6) decrease by 2 units
  - **Asset6** Correct Adjust Done in Error (Code 6) increase by 4 units
  - **Asset9** Operational Error (Code 7) decrease by 2 units
  - **Asset1** Operational Error (Code 7) increase by 1 unit
  - **Asset4** Fed/Mil Order Conversion Discrepancy (Code 8) decrease by 1 unit
  - **Asset7** Returns to Vendor (Code 10) decrease by 2 units
  - **Asset2** Excess to PDO (Code 11) decrease by 3 units
  - **Asset1** Inspection/Test/Destruction (Code 13) increase by 2 units
  - **Asset2** Inspection/Test/Destruction (Code 13) increase by 3 units
  - **Asset3** Inspection/Test/Destruction (Code 13) increase by 5 units
  - **Asset4** Inspection/Test/Destruction (Code 13) increase by 3 units
  - **Asset5** Inspection/Test/Destruction (Code 13) increase by 4 units
  - **Asset6** Inspection/Test/Destruction (Code 13) increase by 2 units
  - **Asset7** Inspection/Test/Destruction (Code 13) increase by 2 units
  - **Asset8** Inspection/Test/Destruction (Code 13) increase by 5 units
  - **Asset9** Inspection/Test/Destruction (Code 13) increase by 4 units
  - **Asset1** Inspection/Test/Destruction (Code 13) decrease by 3 units
  - **Asset2** Inspection/Test/Destruction (Code 13) decrease by 4 units
  - **Asset3** Inspection/Test/Destruction (Code 13) decrease by 1 units
  - **Asset4** Inspection/Test/Destruction (Code 13) decrease by 5 units
  - **Asset5** Inspection/Test/Destruction (Code 13) decrease by 2 units
  - **Asset6** Inspection/Test/Destruction (Code 13) decrease by 1 units
  - **Asset7** Inspection/Test/Destruction (Code 13) decrease by 3 units
  - **Asset8** Inspection/Test/Destruction (Code 13) decrease by 4 units
  - **Asset9** Inspection/Test/Destruction (Code 13) decrease by 3 units
8. Using the Monitor Transaction(Multi-Purpose) (MONTRANS) process, verify the adjustment transactions. Note the respective adjustment quantity, price total, and reason associated with each adjustment.
  9. Using the Asset Scan (SCANASET) process, verify the quantity on-hand and average price for the assets.
  10. Using the Site Parameter Table (SITEPARM) process, specify Analysis Approval Indicator value of '2'. Process to completion. If any changes were made to the Site Parameter Table, use the NSMS Initialization (INIT) process to re-initialize NSMS.
  11. Using the Inventory Adjustment Initiate (INVADJIN) process, initiate Inventory Adjustment Analysis for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, **Asset6**, **Asset7**, **Asset8**, and **Asset9**, as follows:
    - **Asset1** increase by 3 units
    - **Asset2** decrease by 4 units

- **Asset3**                    increase by     1 units
- **Asset4**                    decrease by    5 units
- **Asset5**                    increase by    2 units
- **Asset6**                    decrease by    1 units
- **Asset7**                    increase by    3 units
- **Asset8**                    decrease by    4 units
- **Asset9**                    increase by    3 units

For each analysis, specify values for Analysis Of Cause Of Discrepancy, Corrective Action, and Completed value of 'Y'. Process to completion.

12. Using the Inventory Adjustment I/M Analysis (INVADJIM) process, complete the Inventory Manager (IM) Analysis phase of the analysis for **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8, and Asset9**. Specify a comment and a Completed value of 'Y'. Process to completion.
13. Using the Inventory Adjustment Approval Lvl 1 (INVADJA1) process, complete the Inventory Adjustment Approval Lvl 1 phase of the analysis for **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8, and Asset9**. Specify a comment and an Approved value of 'Y'. Process to completion.
14. Using the Inventory Adjustment Approval Lvl 2 (INVADJA2) process, complete the Inventory Adjustment Approval Lvl 2 phase of the analysis for **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8, and Asset9**. Specify a comment and an Approved value of 'Y'. Process to completion.
15. Using the Inventory Adjustment Create Trans (INVADJCR) process, attempt to create the adjustment transaction for the analysis of **Asset1**, as follows:
  - If the cursor is not already in the "Enter Reason For Adjustment" field, press the <Tab> key a sufficient number of times to position the cursor in the "Enter Reason For Adjustment" field.
  - With the cursor positioned in the "Enter Reason for Adjustment" field, press the <PF1> key to be presented with the Create Adjustment Transaction reason selection help screen. Enter an 'A' adjacent to Reason Code '13 - Inspection/Test/Destruction'. Verify the message: "188 - Invalid -> Please Use An X To Indicate Your Selection." Erase the 'A' adjacent to Reason Code '13 - Inspection/Test/Destruction'.
  - Still facing the Create Adjustment Transaction reason selection help screen, enter an 'X' adjacent to Reason Code '9 - blank'. Verify the message: "188 - Invalid -> Description Is Blank, Reason Code Not Available." Erase the 'X' adjacent to Reason Code Reason Code '9 - blank'.
  - Still facing the Create Adjustment Transaction reason selection help screen, enter an 'X' adjacent to Reason Code '12 - blank'. Verify the message: "188 - Invalid -> Description Is Blank, Reason Code Not

- Available.” Erase the ‘X’ adjacent to Reason Code Reason Code ‘12 - blank’.
- Still facing the Create Adjustment Transaction reason selection help screen, type an ‘A’ adjacent to two or more Reason Codes/Reason Descriptions. Press <Enter>. Verify the message “188 - Invalid -> Please Select Only One Reason.”. Erase the ‘A’ characters.
  - Do not complete the adjustment. Press the <PF5> key to return to the NSMS Main Menu.
16. Using the Inventory Adjustment Create Trans (INVADJCR) process, create the adjustment transactions for the analysis of **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8, and Asset9**, as follows:
- If the cursor is not already in the “Enter Reason For Adjustment” field, press the <Tab> key a sufficient number of times to position the cursor in the “Enter Reason For Adjustment” field.
  - With the cursor positioned in the “Enter Reason for Adjustment” field, press the <PF1> key to be presented with the Create Adjustment Transaction reason selection help screen.
  - Enter an ‘X’ adjacent to Reason Code ‘13 - Inspection/Test/Destruction’.
  - Specify a Completed value of blank. Press <Enter>. Process to completion.
17. Using the Asset Scan (SCANASET) process, verify and make note of the quantity on-hand for **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8, and Asset9**.
18. Using the Create Issue Directive (ISSUEPRE) process, issue quantity for **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8, and Asset9**, as follows:
- For each asset, issue less than the quantity on-hand (if possible, issue approximately 90% of the quantity on hand).
- Make note of the issue quantity and document number for each of the respective issue transactions.
19. Using the Initiate Analysis (WDAINIT) process, specify the respective issue transaction document numbers to initiate an analysis for each of the issue transactions for **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8, and Asset9**, as follows:
- Specify Physical Count quantity less than the issue quantity—if possible, specify approximately 90% of the issue quantity
  - Enter values for Analysis of Cause of Discrepancy and Corrective Action.
  - Specify Send IM value of ‘Y’.
20. Using the I/M Analysis (WDAMANG) process, prepare an Inventory Manager (I/M) analysis for **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8, and Asset9**, as follows:

- Specify a value for Inventory Management Analysis
  - Specify an Approve value of 'Y'.
21. Using the First Approval of Analysis (WDAAPPR1) process, generate first level approval for the analysis of **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8, and Asset9**, as follows:
- Specify a First Approval Comment
  - Specify Approve value of 'Y'.
22. Using the Second Approval of Analysis (WDAAPPR2) process, indicate second level approval for the analysis of **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8, and Asset9**, as follows:
- Specify a Second Approval Comment
  - Specify Approve value of 'Y'.
23. Using the Create Adjustment Transaction (WDAADJST) process, attempt to create the adjustment transaction for the analysis of **Asset1**, as follows:
- Specify a Reason for Adjustment value of blank. Press <Enter>. Verify the message: "040 - Please Enter Valid (01-13) Reason For Adjustment".
  - Specify a Reason for Adjustment value of zero. Press <Enter>. Verify the message: "040 - Please Enter Valid (01-13) Reason For Adjustment".
  - Specify a Reason for Adjustment value less than zero. Press <Enter>. Verify the message: "040 - Please Enter Valid (01-13) Reason For Adjustment". Erase the Reason for Adjustment value.
  - Specify a Reason for Adjustment value greater than thirteen (13). Press <Enter>. Verify the message: "040 - Please Enter Valid (01-13) Reason For Adjustment". Erase the Reason for Adjustment value.
  - Specify a Reason for Adjustment value of either nine (9 ) or twelve (12). Press <Enter>. Verify that the Create Adjustment Transaction reason selection help screen is displayed with the prompt: "Place 'X' Next to Selection and Press <Enter>". Press the <PF4> key to return to the Create Adjustment Transaction (WDAADJST) process screen.
  - If the cursor is not already in the "Enter Reason For Adjustment" field, press the <Tab> key a sufficient number of times to position the cursor in the "Enter Reason For Adjustment" field.
  - With the cursor positioned in the "Enter Reason for Adjustment" field, press the <PF1> key to be presented with the Create Adjustment Transaction reason selection help screen. Enter an 'A' adjacent to Reason Code '13 - Inspection/Test/Destruction'. Verify the message: "188 - Invalid -> Please Use An X To Indicate Your Selection." Erase the 'A' adjacent to Reason Code '13 - Inspection/Test/Destruction'.
  - Still facing the Create Adjustment Transaction reason selection help screen, enter an 'X' adjacent to Reason Code '9 - blank'. Verify the message: "188 - Invalid -> Description Is Blank, Reason Code Not

- Available.” Erase the ‘X’ adjacent to Reason Code Reason Code ‘9 - blank’.
- Still facing the Create Adjustment Transaction reason selection help screen, enter an ‘X’ adjacent to Reason Code ‘12 - blank’. Verify the message: “188 - Invalid -> Description Is Blank, Reason Code Not Available.” Erase the ‘X’ adjacent to Reason Code Reason Code ‘12 - blank’.
  - Still facing the Create Adjustment Transaction reason selection help screen, type an ‘A’ adjacent to two or more Reason Codes/Reason Descriptions. Press <Enter>. Verify the message “188 - Invalid -> Please Select Only One Reason.”. Erase the ‘A’ characters.
  - Do not complete the adjustment. Press the <PF5> key to return to the NSMS Main Menu.
24. Using the Create Adjustment Transaction (WDAADJST) process, create adjustment transactions for the analysis of **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8, and Asset9**, as follows:
- If the cursor is not already in the “Enter Reason For Adjustment” field, press the <Tab> key a sufficient number of times to position the cursor in the “Enter Reason For Adjustment” field.
  - With the cursor positioned in the “Enter Reason for Adjustment” field, press the <PF1> key to be presented with the Create Adjustment Transaction reason selection help screen.
  - Enter an ‘X’ adjacent to Reason Code ‘13 - Inspection/Test/Destruction’.
  - Specify a Completed value of blank. Press <Enter>. Process to completion.
25. Using the Monitor Transaction(Multi-Purpose) (MONTRANS) process, verify the adjustment transactions for **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8, and Asset9**.
26. Using the Inventory Adjustment (INVADJST) process, specify Reason 7 – Operational Errors to increase quantity to twenty (20) for each asset: **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8, and Asset9**. Process to completion. Make note of the respective Org-Project values, Org-Project quantities, trace keys, and trace quantities for each asset, as applicable.
27. Using the Asset Scan (SCANASET) process, verify the quantity on hand for each of the respective assets: **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8, and Asset9**. Make note of the respective Org-Project values, Org-Project quantities, trace keys, and trace quantities for each asset, as applicable.
28. Using the Inventory Counts Main Menu (INVCTSMM) process, prepare and process an inventory count of type FSA for **Asset1, Asset2, Asset3, Asset4, Asset5, Asset6, Asset7, Asset8, and Asset9**. Specify a Last-Inventory-Date-Check value of ‘N’; and a Traceable-Assets value of ‘Y’.

For each asset, specify a quantity which differs from the quantity on hand, subject to the following:

- For **Asset1**, **Asset6**, and **Asset8**, the net total adjustment for each asset must be either a net increase less than 10% of the total quantity for that asset or a net decrease less than 10% of the total quantity for that asset.
- For **Asset2**, **Asset4**, and **Asset9**, the net total adjustment for each asset must be either a net increase greater than 10% of the total quantity for that asset or a net decrease greater than 10% of the total quantity for that asset.
- For **Asset3**, **Asset5**, and **Asset7**, the inventory count for each asset must be balanced for that asset.

Process to completion of the final adjustment. Examine the output, making note of all errors and variances. Verify all errors and variances.

29. Using the Monitor Transaction(Multi-Purpose) (MONTRANS) process, verify the adjustment transactions for **Asset1**, **Asset2**, **Asset4**, **Asset6**, **Asset8**, and **Asset9**. Also verify that no Inventory Adjustment (Physical Count Process) (ADJC) transactions were created for **Asset3**, **Asset5**, and **Asset7**.
30. Using the Asset Scan (SCANASET) process, verify the following for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, **Asset6**, **Asset7**, **Asset8**, and **Asset9**:
  - Quantity on hand
  - Org-Project values and quantities, as applicable.
  - Trace key values and quantities, as applicable.
31. Using the Transaction Adjustment (TRANSADJ) process, enter the document numbers of the respective receipt transactions for the non-traceable assets: **Asset1**, **Asset4**, and **Asset7**, to adjust the receipt transactions as follows:
  - For the receipt transactions for **Asset1** and **Asset7**, specify price increases.
  - For the receipt transaction for **Asset4**, specify a price decrease.
32. Using the Monitor Transaction(Multi-Purpose) (MONTRANS) process, verify the Receipt Price Change (RCPC) transactions and Inventory Adjustment Price Change (From RCPC) (ADPC) transactions for **Asset1**, **Asset4**, and **Asset7**. Make note of the Document-Number-Reference for each adjustment price change transaction on each respective asset.
33. Using the Monitor Transaction(Multi-Purpose) (MONTRANS) process, analyze the reference adjustment transactions corresponding to the adjustment price change transactions for **Asset1**, **Asset4**, and **Asset7**. Make note of the respective reason-for-adjustment on the reference adjustment transaction corresponding to each Inventory Adjustment Price Change (ADPC) transaction on each respective asset. In the cases where both increases and decreases are allowed under a specific reason-for-

adjustment, also note whether the corresponding price change was an increase or a decrease.

34. Using the Asset 1324 Balance (LICT1324) process, execute the batch job to produce an Asset 1324 Balance. Submit the batch job. Process to completion. Do not proceed until the batch job has completed. (See Special Notes.) This Asset 1324 Balance will be known as **Asset-Balance-2**.

**Special Note:** Discontinue any activity affecting the Catalog file and Asset file until the next day:

- o No one should create any more transactions for that day.
- o Catalog and asset updates (add, change, delete) should not be processed after the Asset Balance has run on that day.

Following the Asset 1324 balance, the generation and verification of the 1324 report is allowable, since the 1324 report performs no updates on the Catalog file or Asset file.

35. Using the Semiannual Report of Supply Operations (NASA13B2) process, execute the batch job to produce the 1324 Report. For the beginning date, type a 'B' next to the date of **Asset-Balance-1**. For the ending date, type an 'E' next to the date of **Asset-Balance-2**. Specify values for Installation Site and Installation Contact. Submit the batch job. Process to completion. This issue of the report will be known as **Report1**.
36. Using the Monitor Transaction (MONTRANS) process, verify that **Report1** properly reports the receipts, refusals, adjustments and adjustment price changes occurring within its reporting period.

## 5. Enhancement – Customer-ID Table Maintenance Auth. Programmed Stock Fields 1620# - 1033

NSMS only allows 5 Auth. Programmed Stock Ownerships to be entered per customer ID. Currently Stennis has 20 Program Stock Ownerships to utilize the NOSC ordering on-line option. We need the Auth. Programmed Stock Ownerships to be expanded to a minimum of 10 entries.

**ACTION** – Expand the Auth. Stock Ownerships per customer to 20.

### VALIDATION

1. Using the CUSTOMER ID TABLE MAINTENANCE (CUSIDTAB), choose a customer id by placing a "c" (change) for the action. Press <enter>. On the screen that is displayed, under the AUTH. PROGRAMMED STOCK section, there should be 20 slots available to enter ownerships. Enter data in the 20 slots. Press <enter>. When "PRESS ENTER TO APPLY THE UPDATES AND CONTINUE, ELSE TYPE 'C' TO CANCEL THEM: \_", press <enter>. PF3 to the previous screen.
2. Return to the CUSTOMER ID TABLE MAINTENANCE (CUSIDTAB). Select the same customer id by placing a "c" (change) for the action.

Press <enter>. All the slots under AUTH.PROGRAMMED STOCK should have the data you entered.

## **6. Regulatory – Invalid Delivery Date on Fed/Mil Due-In Transactions 1620# - 1035**

Blank value in Estimated Shipping Date (ESD) (columns 70-73) on Fed/Mil records of type AE1-Supply Status causes delivery date on Fed/Mil Due-In transactions to be updated to yyyy/01/00 where yyyy is the year following the Fed/Mil status update.

**ACTION** – Modify code to allow recorded delivery date on Fed/Mil Due-In transactions to be unaffected by blank value in Estimated Shipping Date (columns 70-73) on AE1-Supply Status records.

### **SPECIAL NOTES:**

1. Using the Batch Job Maintenance (BATCHJOB) process, select Job ID 'FDSTATUP' – Fed/Mil Status Update. Specify action 'C' (change) and press <enter> to modify the job records. Press <enter> again, then select the 'Work File' JCL to reveal the name of the work file dataset used by the Fed/Mil Status Update process. Make note of the name of the work file dataset. This work file dataset will be known as **Fed/Mil\_Input**.
2. Determine the following properties for **Fed/Mil\_Input**: Space units, Primary quantity, Secondary quantity, Record format, Record length and Block size.
3. Pre-allocate and catalog the following sequential dataset to contain test input. This dataset will be known as **Fed/Mil\_Test\_Input**:  
Dataset name: MSIRM.NSMSDD.STATS.FEDMIL.TEST  
Space units: Same as **Fed/Mil\_Input**.  
Primary quantity: Same as **Fed/Mil\_Input**.  
Secondary quantity: Same as **Fed/Mil\_Input**.  
Record format: Same as **Fed/Mil\_Input**.  
Record length: Same as **Fed/Mil\_Input**.  
Block size: Same as **Fed/Mil\_Input**.
4. Copy the **Fed/Mil\_Input** dataset to **Fed/Mil\_Test\_Input**.

### **VALIDATION**

1. Using the Supply Source Table Maintenance (SORCETBL) process, determine a Supply Source having Supply Source Type of Federal and a Reorder Source value of Federal.
2. Using the Catalog Scan (CATSCAN) process, determine a National Stock Number (NSN) which is not already on file. This NSN will be known as **NewCatalog1**.

3. Using the Add, Change, or Delete Catalog Detail (CATADCHG) process, create a catalog record for **NewCatalog1**, as follows:
  - Specify Local-NSN value of 'N', DLSC-Status Value of 'A'.
  - For Supply-Source, specify the Federal supply source determined earlier.
  - For the remaining non-required fields, enter a combination of blank and non-blank values, making note of the data values entered/left blank.
4. Using the Add, Change, or Delete asset (ADCHGAST) process, add two store stock assets, two program stock assets, and two standby stock assets for **NewCatalog1** as stocked items. For each asset, specify:
  - Estimated-Average-Monthly-Demand value of 100
  - Reorder-Exempt value of blank
  - Standby-Retention-Level of 20
  - Reorder-Point-Quantity value of 20
  - At least one Bin-IdThese assets will be identified as follows:
  - The store stock assets will be known as **Asset1** and **Asset2**, respectively.
  - The program stock assets will be known as **Asset3** and **Asset4**, respectively.
  - The standby stock assets will be known as **Asset5** and **Asset6**, respectively.
5. Using the Manual Fed/Mil Order Entry (MANFED) process, specify Document Identifier of 'A0A', Action of 'A' to order quantity for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**. Process to completion.
6. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify the due-in transactions for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**. For each respective transaction, make note of the following fields:
  - Transaction Type
  - Quantity
  - Unit Of Issue
  - Fund Code
  - Document Number
  - Fed-Document-NumberThese Due-In transactions will be identified as follows:
  - The Due-In transactions for **Asset1** and **Asset2** will be known as **Due-In1** and **Due-In 2**, respectively.
  - The Due-In transactions for **Asset3** and **Asset4** will be known as **Due-In3** and **Due-In 4**, respectively.
  - The Due-In transactions for **Asset5** and **Asset6** will be known as **Due-In5** and **Due-In 6**, respectively.
7. Using the Fed/Mil Requisitions and Returns (FEDREQUS) process, specify today's date and batch number zero to update to the next Fed/Mil

- batch. Submit the batch job. Process to completion. Examine the output from the batch job. Verify the A0A Status records for **Due-In1, Due-In2, Due-In3, Due-In4, Due-In5, and Due-In6**. Also verify that no exceptions occurred which directly affected **Due-In1, Due-In2, Due-In3, Due-In4, Due-In5, or Due-In6**.
8. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify the A0A Status records in the due-in transactions **Due-In1, Due-In2, Due-In3, Due-In4, Due-In5, and Due-In6**. Make note of the respective values for Delivery Date and Date-Status.
  9. Edit the **Fed/Mil\_Test\_Input** dataset created and cataloged above to add Supply Status Document records (see below for format) as follows for **Due-In1, Due-In2, Due-In3, Due-In4, Due-In5, and Due-In6**: If desired, the Supply Status Document records may be copied and adapted from any existing Supply Status Document records.
    - On each Supply Status Document record, specify Document Identifier (Doc ID) Code value of 'AE1'.
    - On each Supply Status Document record, specify Status Code, selected from among 'BA', 'BB', 'BD', 'BV', or 'BZ'. Do not specify 'BK', 'B2', or 'B5'.
    - On the Supply Status Document records for **Due-In1, Due-In3, and Due-In5**, specify Estimated Shipping Date (ESD) value of blank.
    - On the Supply Status Document records for **Due-In2, Due-In4, and Due-In6**, specify Estimated Shipping Date (ESD) value of 2 weeks from today's date, expressed as a 4-digit Julian date.
  10. Using the Batch Job Maintenance (BATCHJOB) process, select Job ID 'FDSTATUP' – Fed/Mil Status Update. Specify action 'C' (change) and press <enter> to modify the job records. Press <enter> again, then select the 'Work File' JCL to modify the name of the work file used by the Fed/Mil Status Update process. Specify action 'C' (change) to change the Work File JCL from **Fed/Mil\_Input** to use **Fed/Mil\_Test\_Input** as test input. Process to completion.
  11. Using the Fed/Mil Status Update (FDSTATUP) process, specify a run date to update the due-in transactions. Submit the batch job. Process to completion. Examine the output from the batch job:
    - Verify the updates to **Due-In1, Due-In2, Due-In3, Due-In4, Due-In5, and Due-In6**.
    - Verify the message: "Previous document has already been applied to due-in - due-in was not updated" on any unchanged records in the **Fed/Mil\_Test\_Input** dataset which had already been processed prior to this test.
  12. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify the changed/unchanged values in **Due-In1, Due-In2, Due-In3, Due-In4, Due-In5, and Due-In6**:
    - Delivery Date values for **Due-In1, Due-In3, and Due-In5** remain

- unchanged from their respective values noted earlier.
  - Delivery Date values for **Due-In2**, **Due-In4**, and **Due-In6** have been updated to 2 weeks from today's date.
  - Date-Status values for **Due-In1**, **Due-In2**, **Due-In3**, **Due-In4**, **Due-In5**, and **Due-In6** remain unchanged from their respective values noted earlier.
13. Edit the **Fed/Mil\_Test\_Input** dataset created and cataloged above, as follows:
- Remove the Supply Status Document records created earlier for **Due-In1**, **Due-In2**, **Due-In3**, **Due-In4**, **Due-In5**, and **Due-In6**.
  - Add Shipment Status Document records (see below for format) as follows for **Due-In1**, **Due-In2**, **Due-In3**, **Due-In4**, **Due-In5**, and **Due-In6**: If desired, the Shipment Status Document records may be copied and adapted from any existing Shipment Status Document records.
    - On each Shipment Status Document record, specify Document Identifier (Doc ID) Code value of 'AS1'.
    - On the Shipment Status Document records for **Due-In1**, **Due-In3**, and **Due-In5**, specify Shipping Date value of blank and Date Available for Shipment (Pickup Date) value of blank.
    - On the Shipment Status Document records for **Due-In2**, **Due-In4**, and **Due-In6**, specify Shipping Date value of 2 weeks from today's date, expressed as a 3-digit Julian date.
    - On the Shipment Status Document record for **Due-In2**, specify Pickup Date value of 1 week from today's date, expressed as a 3-digit Julian date.
    - On the Shipment Status Document record for **Due-In4**, specify Pickup Date value identical to its Shipping Date value—2 weeks from today's date, expressed as a 3-digit Julian date.
    - On the Shipment Status Document record for **Due-In6**, specify Pickup Date value of 3 weeks from today's date, expressed as a 3-digit Julian date.
14. Using the Fed/Mil Status Update (FDSTATUP) process, specify a run date to update the due-in transactions. Submit the batch job. Process to completion. Examine the output from the batch job:
- Verify the updates to **Due-In1**, **Due-In2**, **Due-In3**, **Due-In4**, **Due-In5**, and **Due-In6**.
  - Verify the message: "Previous document has already been applied to due-in - due-in was not updated" on any unchanged records in the **Fed/Mil\_Test\_Input** dataset which had already been processed prior to this test.
15. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify the changed/unchanged field values in **Due-In1**, **Due-In2**, **Due-In3**, **Due-In4**, **Due-In5**, and **Due-In6**:

- Date-Status values for **Due-In1**, **Due-In3**, and **Due-In5** remain unchanged from their respective original values noted above.
  - Date-Status value for **Due-In2** has been updated to 10 days after its Shipping Date.
  - Date-Status value for **Due-In4** has been updated to 10 days after its Shipping Date/Pickup Date.
  - Date-Status value for **Due-In6** has been updated to 10 days after its Pickup Date.
  - Delivery Date values for **Due-In1**, **Due-In3**, and **Due-In5** remain unchanged from their respective original values noted above.
  - Delivery Date values for **Due-In2**, **Due-In4**, and **Due-In6** remain unchanged from their respective updated values noted above.
16. Using the Batch Job Maintenance (BATCHJOB) process, select Job ID 'FDSTATUP' – Fed/Mil Status Update. Specify action 'C' (change) and press <enter> to modify the job records. Press <enter> again, then select the 'Work File' JCL and restore the name of the work file dataset used by the Fed/Mil Status Update process back to its original value of **Fed/Mil\_Input**. Process to completion.
17. Using the Status Update (STATUPDT) process, specify Document-Identifier of 'A0A' and the Document Numbers of **Due-In1**, **Due-In3**, and **Due-In5** respectively, in turn, to update the respective status of **Due-In1**, **Due-In3**, and **Due-In5**, as follows:
- On the **Status Update Second Screen**, for each due-in transaction (**Due-In1**, **Due-In3**, and **Due-In5**):
    - Specify Document-Identifier value of 'AE1'
    - Specify Status-Code (columns 65-66) value selected from among 'BA', 'BB', 'BD', 'BV', or 'BZ'. Make note of the value specified.
    - Specify Estimated Shipping Date (ESD) (columns 70-73) value of 2 weeks from today's date, expressed as a 4-digit Julian date.
    - Specify Date Available for Shipment (Pickup Date) (columns 78-80) value of blank
    - Specify Shipping Date value of blank
    - Press <Enter>. Verify the message, "080 - Enter Action and Transaction Type".
18. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify the changed/unchanged field values in **Due-In1**, **Due-In3**, and **Due-In5**:
- Date-Status values for **Due-In1**, **Due-In3**, and **Due-In5** remain unchanged from their respective original values noted above.
  - Delivery Date values for **Due-In1**, **Due-In3**, and **Due-In5** have been updated to 2 weeks from today's date. Make note of this value.
  - Examine the most recent status record on the respective

transactions; verify the following:

- Document Identifier Code (columns 1-3) value of 'AE1'
- Project Code (columns 57-59) value, (same columns as Shipping Date) value of blank
- Status-Code (columns 65-66) value unchanged from the value specified in the previous step
- Estimated Shipping Date (ESD) (columns 70-73) value of 2 weeks from today's date, expressed as a 4-digit Julian date.
- Date Available for Shipment (Pickup Date) (columns 78-80) value of blank

19. Using the Status Update (STATUPDT) process, specify Document-Identifier of 'A0A' and the Document Numbers of **Due-In1**, **Due-In3**, and **Due-In5** respectively, in turn, to update the respective status of **Due-In1**, **Due-In3**, and **Due-In5**, as follows:

- On the **Status Update Second Screen**, for each due-in transaction (**Due-In1**, **Due-In3**, and **Due-In5**):
  - Specify Document-Identifier value of 'AU1'
  - Specify Status-Code (columns 65-66) value of blank
  - Specify Estimated Shipping Date (ESD) (columns 70-73) value of blank
  - Specify Date Available for Shipment (Pickup Date) (columns 78-80) value of blank
  - Specify Shipping Date value of blank
  - Press <Enter>. Verify the message, "080 - Enter Action and Transaction Type".

20. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify the changed/unchanged field values in **Due-In1**, **Due-In3**, and **Due-In5**:

- Date-Status values for **Due-In1**, **Due-In3**, and **Due-In5** remain unchanged from their respective original values noted above.
- Delivery Date values for **Due-In1**, **Due-In3**, and **Due-In5** remain unchanged from their updated value, noted above.
- Examine the most recent status record on the respective transactions; verify the following:
  - Document Identifier Code (columns 1-3) value of 'AU1'
  - Shipping Date (columns 57-59) value of blank
  - Status-Code (columns 65-66) value of blank
  - Estimated Shipping Date (ESD) (columns 70-73) value of blank
  - Date Available for Shipment (Pickup Date) (columns 78-80) value of blank

21. Using the Status Update (STATUPDT) process, specify Document-Identifier of 'A0A' and the Document Numbers of **Due-In1**, **Due-In3**, and

**Due-In5** respectively, in turn, to update the respective status of **Due-In1**, **Due-In3**, and **Due-In5**, as follows:

- On the **Status Update Second Screen**, for each due-in transaction (**Due-In1**, **Due-In3**, and **Due-In5**):
    - Specify Document-Identifier value of 'AS1'
    - Specify Status-Code (columns 65-66) value selected from among 'BA', 'BB', 'BD', 'BV', or 'BZ'. Make note of the value specified.
    - Specify Estimated Shipping Date (ESD) (columns 70-73) value of blank
    - Specify Shipping Date value of 2 weeks from today's date, expressed as a 3-digit Julian date.
    - On **Due-In1**, specify Date Available for Shipment (Pickup Date) (columns 78-80) value of 1 week from today's date, expressed as a 3-digit Julian date.
    - On **Due-In3**, specify Date Available for Shipment (Pickup Date) (columns 78-80) value identical to its Shipping Date value—2 weeks from today's date, expressed as a 3-digit Julian date.
    - On **Due-In5**, specify Date Available for Shipment (Pickup Date) (columns 78-80) value of 3 weeks from today's date, expressed as a 3-digit Julian date.
    - Press <Enter>. Verify the message, "080 - Enter Action and Transaction Type".
22. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify the changed/unchanged field values in **Due-In1**, **Due-In3**, and **Due-In5**:
- Date-Status value for **Due-In1** has been updated to 10 days after its Shipping Date.
  - Date-Status value for **Due-In3** has been updated to 10 days after its Shipping Date/Pickup Date.
  - Date-Status value for **Due-In5** has been updated to 10 days after its Pickup Date.
  - Delivery Date values for **Due-In1**, **Due-In3**, and **Due-In5** remain unchanged from their updated value, noted above.
  - Examine the most recent status record on the respective transactions; verify the following:
    - Document Identifier Code (columns 1-3) value of 'AS1'
    - Shipping Date (columns 57-59) value of 2 weeks from today's date, expressed as a 3-digit Julian date.
    - Status-Code (columns 65-66) value unchanged from the value specified in the previous step
    - Estimated Shipping Date (ESD) (columns 70-73) value of blank.

- On **Due-In1**, Date Available for Shipment (Pickup Date) (columns 78-80) value of 1 week from today's date, expressed as a 3-digit Julian date.
- On **Due-In3**, Date Available for Shipment (Pickup Date) (columns 78-80) value identical to its Shipping Date value— 2 weeks from today's date, expressed as a 3-digit Julian date.
- On **Due-In5**, Date Available for Shipment (Pickup Date) (columns 78-80) value of 3 weeks from today's date, expressed as a 3-digit Julian date.

Supply Status Document – Document Identifier Code 'AE1'

Field Name	Start Pos	End Pos	Length	Format	Description
Document Identifier (Doc ID) Code	1	3	3	Alpha-numeric	Value of 'AE1'. Required field.
Routing Identifier Code (RIC)	4	6	3	Alpha-numeric	
Media & Status (M&S) Code	7	7	1	Alpha-numeric	Value of 'G'. Required field.
National Stock Number	8	22	15	Alpha-numeric	Required field. Defined as follows:
Federal Supply Group (FSG)	8	9	2	Numeric	Two digits, no decimal. First digit cannot be zero
Federal Supply Class within FSG	10	11	2	Numeric	Two digits, no decimal.
National Codification Bureau Code	12	13	2	Alpha-numeric	Blanks not permitted.
Item Identification Number	14	20	7	Alpha-numeric	Blanks not permitted
Additional	21	22	2	Alpha-numeric	Value of spaces for this test.
Unit of Issue (U/I)	23	24	2	Alpha-numeric	Copied from A0A record. Required field.
Quantity	25	29	5	Numeric	Right-justified, zero-filled. Required field.
Document Number	30	43	14	Alpha-numeric	Required field. Defined as follows:
Requisitioner [Activity Address Code (AAC)]	30	35	6	Alpha-numeric	

Field Name	Start Pos	End Pos	Length	Format	Description
Date	36	39	4	Numeric	4-digit Julian date
Serial Number	40	43	4	Numeric	Should not be duplicated on any one day
Demand	44	44	1	Alpha-numeric	For MILSTRIP use only. Value of space for this test.
Supplementary Address Code	45	50	6	Alpha-numeric	Value of spaces.
Signal Code	51	51	1	Alpha-numeric	Value of 'A' for this test. Required field.
Fund Code	52	53	2	Alpha-numeric	Copied from A0A record. Required field.
Distribution Code	54	56	3	Alpha-numeric	
Project Code	57	59	3	Alpha-numeric	
Priority Designator Code	60	61	2	Alpha-numeric	For this test, value of '11'. Required field.
Transaction Date	62	64	3	Numeric	3-digit Julian date (no year given).
Status Code	65	66	2	Alpha-numeric	For this test, select from 'BA', 'BB', 'BD', 'BV', 'BZ'. Must not be 'BK', 'B2', or 'B5'.
Routing Identifier Code	67	69	3	Alpha-numeric	
Estimated Shipping Date (ESD)	70	73	4	Numeric	4-digit Julian date.
Filler	74	80	7	Alpha-numeric	Value of spaces
			80		

Shipment Status Document – Document Identifier Code 'AS1'

Field Name	Start Pos	End Pos	Length	Format	Description
Document Identifier (Doc ID) Code	1	3	3	Alpha-numeric	Value of 'AS1'. Required field.
Routing Identifier Code (RIC)	4	6	3	Alpha-numeric	
Media & Status (M&S) Code	7	7	1	Alpha-numeric	Value of 'G'. Required field.

Field Name	Start Pos	End Pos	Length	Format	Description
National Stock Number	8	22	15	Alpha-numeric	Required field. Defined as follows:
Federal Supply Group (FSG)	8	9	2	Numeric	Two digits, no decimal. First digit cannot be zero
Federal Supply Class within FSG	10	11	2	Numeric	Two digits, no decimal.
National Codification Bureau Code	12	13	2	Alpha-numeric	Blanks not permitted.
Item Identification Number	14	20	7	Alpha-numeric	Blanks not permitted
Additional	21	22	2	Alpha-Numeric	Value of spaces for this test
Unit of Issue (U/I)	23	24	2	Alpha-numeric	
Quantity	25	29	5	Numeric	Right-justified, zero-filled
Document Number	30	43	14	Alpha-numeric	Required field. Defined as follows:
Requisitioner [Activity Address Code (AAC)]	30	35	6	Alpha-numeric	
Date	36	39	4	Numeric	4-digit Julian date
Serial Number	40	43	4	Numeric	Must not be duplicated on any one day
Suffix	44	44	1	Alpha-numeric	Value of space for this test.
Supplementary Address Code	45	50	6	Alpha-numeric	Value of spaces
Signal Code	51	51	1	Alpha-numeric	
Fund Code	52	53	2	Alpha-numeric	
Distribution Code	54	56	3	Alpha-numeric	
Shipment Date	57	59	3	Numeric	3-digit Julian date that the shipment was delivered to the carrier for delivery (no year given).

Field Name	Start Pos	End Pos	Length	Format	Description
Shipper Transportation Control Number (TCN) or Government Bill of Lading (GBL) Number	60	76	17	Alpha-numeric	Defined as follows:
Shipper Transportation Control Number (TCN)	60	74	15	Alpha-numeric	Defined as follows:
Lead Document Number	60	73	14	Alpha-numeric	
Suffix	74	74	1	Alpha-numeric	
Alternatively, GBL:					
Shipping Depot	60	65	6	Alpha-numeric	
B	66	66	1	Alpha-numeric	Value of 'B'—indicates that following in rp 67-74 is the GBL Number
Government Bill of Lading (GBL) Number	67	74	8	Alpha-numeric	
XX	75	76	2	Alpha-numeric	Value of 'XX'—indicates a completed shipment.
Mode of Shipment	77	77	1	Alpha-numeric	
Date Available for Shipment	78	80	3	Numeric	3-digit Julian date the carrier is scheduled to pick up the shipment (no year given).
			80		

**7. Performance – Upon creation of an adjustment transaction through the FINAL ADJUSTMENT process in INVENTORY COUNTS, the RECORD STATUS fails to change to an "A". Upon viewing using the SCAN INVENTORY process, the RECORD STATUS is a "C". 1620# - 1036**

Since RECORD-STATUS is used for multiple tasks, Program Stock Non-Traceable assets receive a value of "C" when they are adjusted in the Process Inventory Counts Final Adjustment process.

**ACTION** – Add logic so that RECORD-STATUS is changed to “A” when Program Stock Non-Traceable assets are adjusted in the Process Inventory Counts Final Adjustment process.

## **VALIDATION**

### **Non-Traceable Assets – With Adjustments- RECORD-STATUS of “A”**

1. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add two non-traceable catalog records (one Commercial and one Federal).
2. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process to add a Store Stock, a Program Stock and a Standby Stock asset for each of the above catalog records. (Make sure each asset has at least two Bin-Ids.)  
(Make sure Program Stock asset has at least 2 ORG/PRJCT combinations.)
3. Using the INVENTORY ADJUSTMENT (INVADJST) process to add a quantity of twelve (12) to each of the six assets.
4. Using the Process Inventory Counts (INVCTSMM) process, Option 1- BUILD INVENTORY CONTROL RECORD for INVENTORY-TYPE: FSA (For Single Asset). Include the six assets created above. Specify a Traceable Assets value of ‘Y’ or ‘N’.
5. Using the Process Inventory Counts process, submit the Option 3- BUILD INVENTORY LOT batch job for the run id created in the previous step. Process to completion.
6. Using the Process Inventory Counts process, submit the Option4- PRODUCE WAREHOUSE DATA COLLECTION REPORT batch job for the run id created in the step above. Process to completion.
7. Using the Process Inventory Counts process, Option 5- PROCESS WAREHOUSE COUNTS, enter Count 1 for a Quantity greater than the existing quantity. Process to completion.
8. Using the SCAN INVENTORY COUNT (SCANINV) process, to verify the run id has a RECORD STATUS (ST) of blank and RUN STATUS (RN ST) of ‘1’.
9. Using the Process Inventory Counts process, submit the Option7- PERFORM FINAL ADJUSTMENT batch job for the run id in the previous steps. Process to completion.
10. Using the MONITOR TRANSACTION (MULTI-PURPOSE) (MONTRANS) process, verify an “ADJC” transaction was generated for each of the six assets found in the run id. The quantity should be for the difference of the on hand quantity (beginning) and the Count 1.

11. Using the SCAN INVENTORY COUNT (SCANINV) process, verify the records for the Run Id has a RECORD STATUS (ST) of "A" and RUN STATUS (RN ST) of "F".

**Non-Traceable Assets – Matched Counts- RECORD-STATUS of "M"**

1. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add two non-traceable catalog records (one Commercial and one Federal).
2. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process to add a Store Stock, a Program Stock and a Standby Stock asset for each of the above catalog records. (Make sure each asset has at least two Bin-Ids.) (Make sure Program Stock asset has at least 2 ORG/PRJCT combinations.)
3. Using the INVENTORY ADJUSTMENT (INVADJST) process to add a quantity of twelve (12) to each of the six assets.
4. Using the Process Inventory Counts (INVCTSMM) process, Option 1- BUILD INVENTORY CONTROL RECORD for INVENTORY-TYPE: FSA (For Single Asset). Include the six assets created above. Specify an Ignore Matching Counts value of 'N' and a Traceable Assets value of 'Y' or 'N'.
5. Using the Process Inventory Counts process, submit the Option 3- BUILD INVENTORY LOT batch job for the run id created in the previous step. Process to completion.
6. Using the Process Inventory Counts process, submit the Option 4- PRODUCE WAREHOUSE DATA COLLECTION REPORT batch job for the run id created in the step above. Process to completion.
7. Using the Process Inventory Counts process, Option 5- PROCESS WAREHOUSE COUNTS, enter Count 1 for a Quantity equal to seven (7). Process to completion.
8. Using the SCAN INVENTORY COUNT (SCANINV) process, to verify the run id has a RECORD STATUS (ST) of blank and RUN STATUS (RN ST) of "1".
9. Using the Process Inventory Counts process, submit the Option 4- PRODUCE WAREHOUSE DATA COLLECTION REPORT batch job for the run id created in the step above. Process to completion.
10. Using the Process Inventory Counts process, Option 5- PROCESS WAREHOUSE COUNTS, enter Count 2 for a Quantity equal to seven (7). Process to completion.
11. Using the Process Inventory Counts process, submit the Option 4- PRODUCE WAREHOUSE DATA COLLECTION REPORT batch job for the run id created in the step above. Process to completion.
12. Using the SCAN INVENTORY COUNT (SCANINV) process, to verify the run id has a RECORD STATUS (ST) of "M" and RUN STATUS (RN ST) of "2".

13. Using the Process Inventory Counts process, submit the Option 7- PERFORM FINAL ADJUSTMENT batch job for the run id in the previous steps. Process to completion.
14. Using the MONITOR TRANSACTION (MULTI-PURPOSE) (MONTRANS) process, verify an "ADJC" transaction was generated for each of the six assets found in the run id for the difference of the quantity and the count.
15. Using the SCAN INVENTORY COUNT (SCANINV) process, verify the records for the Run Id has a RECORD STATUS (ST) of "A" and RUN STATUS (RN ST) of "F".

**Non-Traceable Assets – Balanced - RECORD-STATUS of "B"**

1. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add two non-traceable catalog records (one Commercial and one Federal).
2. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process to add a Store Stock, a Program Stock and a Standby Stock asset for each of the above catalog records. (Make sure each asset has at least two Bin-Ids.) (Make sure Program Stock asset has at least 2 ORG/PRJCT combinations.)
3. Using the INVENTORY ADJUSTMENT (INVADJST) process to add a quantity of twelve (12) to each of the six assets.
4. Using the Process Inventory Counts (INVCTSMM) process, Option 1- BUILD INVENTORY CONTROL RECORD for INVENTORY-TYPE: FSA (For Single Asset). Include the six assets created above. Specify an Ignore Matching Counts value of 'N' and a Traceable Assets value of 'Y' or 'N'.
5. Using the Process Inventory Counts process, submit the Option 3- BUILD INVENTORY LOT batch job for the run id created in the previous step. Process to completion.
6. Using the Process Inventory Counts process, submit the Option 4- PRODUCE WAREHOUSE DATA COLLECTION REPORT batch job for the run id created in the step above. Process to completion.
7. Using the Process Inventory Counts process, Option 5- PROCESS WAREHOUSE COUNTS, enter Count 1 for a Quantity equal the existing quantity. Process to completion.
8. Using the SCAN INVENTORY COUNT (SCANINV) process, to verify the run id has a RECORD STATUS (ST) of "B" and RUN STATUS (RN ST) of '1'.
9. Using the Process Inventory Counts process, submit the Option 7- PERFORM FINAL ADJUSTMENT batch job for the run id in the previous steps. Process to completion.
10. Using the MONITOR TRANSACTION (MULTI-PURPOSE) (MONTRANS) process, verify no "ADJC" transaction was generated for any of the six assets found in the run id.

11. Using the SCAN INVENTORY COUNT (SCANINV) process, verify the records for the Run Id has a RECORD STATUS (ST) of "B" and RUN STATUS (RN ST) of "F".

**Traceable Assets – With Adjustments- RECORD-STATUS of "A"**

1. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add two traceable catalog records (one Commercial and one Federal).
2. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process to add a Store Stock, a Program Stock and a Standby Stock asset for each of the above catalog records. (Make sure each asset has at least two Bin-Ids.) (Make sure Program Stock asset has at least 2 ORG/PRJCT combinations.)
3. Using the INVENTORY ADJUSTMENT (INVADJST) process to add a quantity of twelve (12) to each of the six assets. Use at least two TRACE KEY entries for each asset.
4. Using the Process Inventory Counts (INVCTSMM) process, Option 1- BUILD INVENTORY CONTROL RECORD for INVENTORY-TYPE: FSA (For Single Asset). Include the six assets created above. Specify a Traceable Assets value of 'Y'.
5. Using the Process Inventory Counts process, submit the Option 3- BUILD INVENTORY LOT batch job for the run id created in the previous step. Process to completion.
6. Using the Process Inventory Counts process, submit the Option 4- PRODUCE WAREHOUSE DATA COLLECTION REPORT batch job for the run id created in the step above. Process to completion.
7. Using the Process Inventory Counts process, Option 5- PROCESS WAREHOUSE COUNTS, enter Count 1 for a Quantity greater than the existing quantity. Process to completion.
8. Using the SCAN INVENTORY COUNT (SCANINV) process, to verify the run id has a RECORD STATUS (ST) of blank and RUN STATUS (RN ST) of '1'.
9. Using the Process Inventory Counts process, submit the Option 7- PERFORM FINAL ADJUSTMENT batch job for the run id in the previous steps. Process to completion.
10. Using the MONITOR TRANSACTION (MULTI-PURPOSE) (MONTRANS) process, verify an "ADJC" transaction was generated for each of the six assets found in the run id. The quantity should be for the difference of the on hand quantity (beginning) and the Count 1.
11. Using the SCAN INVENTORY COUNT (SCANINV) process, verify the records for the Run Id has a RECORD STATUS (ST) of "A" and RUN STATUS (RN ST) of "F".

**Traceable Assets – Matched Counts- RECORD-STATUS of “M”**

1. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add two traceable catalog records (one Commercial and one Federal).
2. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process to add a Store Stock, a Program Stock and a Standby Stock asset for each of the above catalog records. (Make sure each asset has at least two Bin-Ids.) (Make sure Program Stock asset has at least 2 ORG/PRJCT combinations.)
3. Using the INVENTORY ADJUSTMENT (INVADJST) process to add a quantity of twelve (12) to each of the six assets. Make sure each asset has at least two TRACE KEY entries.
4. Using the Process Inventory Counts (INVCTSMM) process, Option 1- BUILD INVENTORY CONTROL RECORD for INVENTORY-TYPE: FSA (For Single Asset). Include the six assets created above. Specify an Ignore Matching Counts value of ‘N’ and a Traceable Assets value of ‘Y’.
5. Using the Process Inventory Counts process, submit the Option 3- BUILD INVENTORY LOT batch job for the run id created in the previous step. Process to completion.
6. Using the Process Inventory Counts process, submit the Option 4- PRODUCE WAREHOUSE DATA COLLECTION REPORT batch job for the run id created in the step above. Process to completion.
7. Using the Process Inventory Counts process, Option 5- PROCESS WAREHOUSE COUNTS, enter Count 1 for a Quantity equal to seven (7). Make note of the precise bin-id’s, org-project combinations applicable, and trace keys applicable to each item count. Process to completion.
8. Using the SCAN INVENTORY COUNT (SCANINV) process, to verify the run id has a RECORD STATUS (ST) of blank and RUN STATUS (RN ST) of “1”.
9. Using the Process Inventory Counts process, submit the Option 4- PRODUCE WAREHOUSE DATA COLLECTION REPORT batch job for the run id created in the step above. Process to completion.
10. Using the Process Inventory Counts process, Option 5- PROCESS WAREHOUSE COUNTS, enter Count 2 for a Quantity equal to seven (7). Precisely match the bin-id’s, applicable org-project combinations, and trace keys counted in Count 1 above. Process to completion.
11. Using the Process Inventory Counts process, submit the OPTION 4- PRODUCE WAREHOUSE DATA COLLECTION REPORT batch job for the run id created in the step above. Process to completion.
12. Using the SCAN INVENTORY COUNT (SCANINV) process, to verify the run id has a RECORD STATUS (ST) of “M” and RUN STATUS (RN ST) of “2”.

13. Using the Process Inventory Counts process, submit the Option 7- PERFORM FINAL ADJUSTMENT batch job for the run id in the previous steps. Process to completion.
14. Using the MONITOR TRANSACTION (MULTI-PURPOSE) (MONTRANS) process, verify an "ADJC" transaction was generated for each of the six assets found in the run id for the difference of the quantity and the count.
15. Using the SCAN INVENTORY COUNT (SCANINV) process, verify the records for the Run Id has a RECORD STATUS (ST) of "A" and RUN STATUS (RN ST) of "F".

**Traceable Assets – Balanced - RECORD-STATUS of "B"**

1. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add two traceable catalog records (one Commercial and one Federal).
2. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process to add a Store Stock, a Program Stock and a Standby Stock asset for each of the above catalog records. (Make sure each asset has at least two Bin-Ids.) (Make sure Program Stock asset has at least 2 ORG/PRJCT combinations.)
3. Using the INVENTORY ADJUSTMENT (INVADJST) process to add a quantity of twelve (12) to each of the six assets. Make sure at least two TRACE KEY entries are used.
4. Using the Process Inventory Counts (INVCTSMM) process, Option 1- BUILD INVENTORY CONTROL RECORD for INVENTORY-TYPE: FSA (For Single Asset). Include the six assets created above. Specify an Ignore Matching Counts value of 'N' and a Traceable Assets value of 'Y'.
5. Using the Process Inventory Counts process, submit the Option 3- BUILD INVENTORY LOT batch job for the run id created in the previous step. Process to completion.
6. Using the Process Inventory Counts process, submit the Option 4- PRODUCE WAREHOUSE DATA COLLECTION REPORT batch job for the run id created in the step above. Process to completion.
7. Using the Process Inventory Counts process, Option 5-PROCESS WAREHOUSE COUNTS, enter Count 1 for a Quantity equal the existing quantity. Process to completion.
8. Using the SCAN INVENTORY COUNT (SCANINV) process, to verify the run id has a RECORD STATUS (ST) of "B" and RUN STATUS (RN ST) of '1'.
9. Using the Process Inventory Counts process, submit the Option 7- PERFORM FINAL ADJUSTMENT batch job for the run id in the previous steps. Process to completion.
10. Using the MONITOR TRANSACTION (MULTI-PURPOSE) (MONTRANS) process, verify no "ADJC" transaction was generated for any of the six assets found in the run id.

11. Using the SCAN INVENTORY COUNT (SCANINV) process, verify the records for the Run Id has a RECORD STATUS (ST) of "B" and RUN STATUS (RN ST) of "F".

#### **8. ENHANCEMENT – Three new Catalog fields needed. 1620 - #1041**

To enhance the Catalog Search abilities on over 9,000 component type NSNs maintained in the NSMS Catalog for propulsion test/engineering support SSC is requesting the following 3 new Catalog fields be added to NSMS / NOSC NS-CATALOG file: 1- BODY MATERIAL, 2- END CONNECTIONS and 3- END TO END DIMENSIONS.

**ACTION** – Add the three new fields and incorporate search abilities inside NSMS and NOSC.

#### **SETUP**

1. Using the Maintain Index Number (INDXNUMB) process, add five (5) new unique Index records.
2. Using the Add Change Or Delete Catalog Detail (CATADCHG) process, add twenty (20) new Catalog records as non-traceable items. Make sure the records are scattered throughout the different Federal Supply Group ranges on the Catalog file. Record the Catalog Stock Numbers (NSN's) created.
3. Using the Change Catalog Detail (CATCHG) process, add to eleven (11) of the newly created Catalog records the same **BODY-MATERIAL, END-CONNECTIONS** and **END-TO-END-DIMENSIONS**. Enter the following value for BODY-MATERIAL- **COPPER**. Enter the following value for END-CONNECTIONS- **23" FLANGED END THREADED BRASS FITTINGS**. Enter the following value for END-TO-END-DIMENSIONS- **00230.001011**. Record the Catalog Stock Numbers (NSN's) created. These NSN's will be known as **NSN1, NSN2, NSN3, NSN4, NSN5, NSN6, NSN7, NSN8, NSN9, NSN10** and **NSN11**.
4. Using the Change Catalog Detail (CATCHG) process, add to one of the remaining nine NSN's the following values: BODY-MATERIAL – **STAINLESS STEEL WITH NICKEL**; END-CONNECTIONS- **20" HIGH PRESSURE TUBING WITH PRESSURE RELEASE VALVE 120PSI** ; END-TO-END-DIMENSION- **20.000000**. Record the Catalog Stock Number (NSN). This NSN will be referred to as **NSN12**.
5. Using the Change Catalog Detail (CATCHG) process, add to one of the remaining eight NSN's the following values: BODY-MATERIAL – **RUBBER**; END-CONNECTIONS- **12" RUBBER GAS LINE WITH TWO CLAMPS- ONE AT EACH END**; END-TO-END-DIMENSION- **12.000000**. Record the Catalog Stock Number (NSN). This NSN will be referred to as **NSN13**.

6. Using the Change Catalog Detail (CATCHG) process, add to one of the remaining seven NSN's the following values: **BODY-MATERIAL – BRASS; END-CONNECTIONS- 8" THREADED FITTING WITH PRESSURE WASHER AND NUT, MAX 140PSI ; END-TO-END-DIMENSION- 18.000000**. Record the Catalog Stock Number (NSN). This NSN will be referred to as **NSN14**.
7. Using the Change Catalog Detail (CATCHG) process, add to one of the remaining six NSN's the following values: **BODY-MATERIAL – STAINLESS STEEL; END-CONNECTIONS- 18.5" ORING FITTED THREADED WITH LOCK NUT TUBING 120PSI ; END-TO-END-DIMENSION- 18.500000**. Record the Catalog Stock Number (NSN). This NSN will be referred to as **NSN15**.
8. Using the Change Catalog Detail (CATCHG) process, add to one of the remaining five NSN's the following values: **BODY-MATERIAL – GAUGE209 STAINLESS STEEL; END-CONNECTIONS- 19" COUPLING VALVE WITH CUTOFF, THREADED BOTH ENDS LOCK NUTS; END-TO-END-DIMENSION- 19.500000**. Record the Catalog Stock Number (NSN). This NSN will be referred to as **NSN16**.
9. Using the Change Catalog Detail (CATCHG) process, add to one of the remaining four NSN's the following values: **BODY-MATERIAL – STEEL; END-CONNECTIONS- 3" TEMPERED STEEL COUPLER WITH RELEASE SWITCH FOR AIR HOSE; END-TO-END-DIMENSION- 3.500000**. Record the Catalog Stock Number (NSN). This NSN will be referred to as **NSN17**.
10. Using the Change Catalog Detail (CATCHG) process, add to one of the remaining three NSN's the following values: **BODY-MATERIAL – GAUGE401 STAINLESS STEEL; END-CONNECTIONS- 22" HIGH PRESSURE COUPLER VALVE OF 180PSI ; END-TO-END-DIMENSION- 22.000000**. Record the Catalog Stock Number (NSN). This NSN will be referred to as **NSN18**.
11. Using the Change Catalog Detail (CATCHG) process, add to one of the remaining two NSN's the following values: **BODY-MATERIAL – PVC; END-CONNECTIONS- 4" COMMERCIAL GRADE PVC DRAIN PIPE FOR KITCHEN SINK; END-TO-END-DIMENSION- 400.000000**. Record the Catalog Stock Number (NSN). This NSN will be referred to as **NSN19**.
12. Using the Change Catalog Detail (CATCHG) process, add to the remaining NSN the following values: **BODY-MATERIAL – POLY-VINYL CHLORIDE (PVC); END-CONNECTIONS- 20" HIGH PRESSURE TUBING WITH PRESSURE RELEASE VALVE 120PSI ; END-TO-END-DIMENSION- 20.000000**. Record the Catalog Stock Number (NSN). This NSN will be referred to as **NSN20**.
13. Using the Add Change Or Delete Catalog Detail (CATADCHG) process, add four (4) new Catalog records as traceable items. Two (2) of these should be **SERIAL-NUMBER** and two (2) should be **LOT-BATCH**. The

- SERIAL-NUMBER** traceable records will be known as **NSN21** and **NSN22**. The **LOT-BATCH** traceable records will be known as **NSN23** and **NSN24**. Record the Catalog Stock Numbers (NSN's) created
14. Using the Change Catalog Detail (CATCHG) process, add to **NSN21** and **NSN24** the following values: BODY-MATERIAL – **SILVER WIRE**; END-CONNECTIONS- **1/16” INSULATED WIRE ON 10 FOOT SPOOL**; END-TO-END-DIMENSION- **200.01000**.
  15. Using the Change Catalog Detail (CATCHG) process, add to **NSN22** and **NSN23** the following values: BODY-MATERIAL – **PLEXY GLASS**; END-CONNECTIONS- **72” PANEL OF PLEXY GLASS**; END-TO-END-DIMENSION- **72.0920**.
  16. Using the Add, Change Or Delete Asset (ADCHGAST) process, add at least one Store stock asset for each of the twenty (20) **NSN1, NSN2, NSN3, NSN4, NSN5, NSN6, NSN7, NSN8, NSN9, NSN10, NSN11, NSN12, NSN13, NSN14, NSN15, NSN16, NSN17, NSN18, NSN19** and **NSN20**. Process to completion.
  17. Using the Add, Change Or Delete Asset (ADCHGAST) process, add at least one Store stock asset for **NSN21, NSN22, NSN23** and **NSN24**. These will be **Asset21, Asset22, Asset23** and **Asset24**.
  18. Using the **Inventory Adjustment (INVADJST)** process, add a quantity of twelve (12) to **Asset21, Asset22, Asset23** and **Asset24**.
    - For **Asset21** specify the following trace keys:
      - “SERIALONE” for a quantity of 3
      - “SERIALTWO” for a quantity of 3
      - “SERIALTHREE” for a quantity of 3
      - “SERIALFOUR” for a quantity of 3
    - For **Asset22** specify the following trace keys:
      - “SERIAL1” for a quantity of 3
      - “SERIAL2” for a quantity of 3
      - “SERIAL3” for a quantity of 3
      - “SERIAL4” for a quantity of 3
    - For **Asset23** specify the following trace keys:
      - “LOTBATCHONE” for a quantity of 3
      - “LOTBATCHTWO” for a quantity of 3
      - “LOTBATCHTHREE” for a quantity of 3
      - “LOTBATCHFOUR” for a quantity of 3
    - For **Asset24** specify the following trace keys:
      - “LOTBATCH1” for a quantity of 3
      - “LOTBATCH2” for a quantity of 3
      - “LOTBATCH3” for a quantity of 3
      - “LOTBATCH4” for a quantity of 3

## VALIDATION

1. Using the Catalog Scan (Component Design Data) (CATPROP) process, enter on the OPT.12-14 START the following: 'COPPER' (without quotes), then enter in SEARCHING VALUE: **12** (BODY MATERIAL) and press <enter>. You should be returned in groups of five (5) records at a time **NSN1, NSN2, NSN3, NSN4, NSN5, NSN6, NSN7, NSN8, NSN9, NSN10** and **NSN11**. Press <enter> to page through the two pages with one record remaining on the third page. The following fields will be displayed: **NSN, INDEX, GENERIC** and **TECHNICAL** on first line and **BODY** (BODY-MATERIAL) on second line.
2. Verify information is correct.
3. Verify all NSN's selected are correct. Select at random several records and enter the selection number (**NO**) in **REQUESTED NUMBER TO DISPLAY A SINGLE ITEM:** and press <enter> to view detailed information. Verify information is correct for all fields.
4. Using the Catalog Scan (Component Design Data) (CATPROP) process, enter on the OPT.12-14 START the following: '23' (without quotes) , then enter in SEARCHING VALUE: **13** (END CONNECTIONS) and press <enter>. You should be returned in groups of five (5) records at a time **NSN1, NSN2, NSN3, NSN4, NSN5, NSN6, NSN7, NSN8, NSN9, NSN10** and **NSN11**. Press <enter> to page through the two pages with one record remaining on the third page. The following fields will be displayed: **NSN, INDEX, GENERIC** and **TECHNICAL** on first line and **END-CONNCTN** (END-CONNECTIONS) on second line.
5. Verify information is correct.
6. Verify all NSN's selected are correct. Select at random several records and enter the selection number (**NO**) in **REQUESTED NUMBER TO DISPLAY A SINGLE ITEM:** and press <enter> to view detailed information. Verify information is correct for all fields.
7. Using the Catalog Scan (Component Design Data) (CATPROP) process, enter on the OPT.12-14 START the following: '230.001011' (without quotes), then enter in SEARCHING VALUE: **14** (END TO END DIMENSIONS) and press <enter>. You should be returned in groups of five (5) records at a time **NSN1, NSN2, NSN3, NSN4, NSN5, NSN6, NSN7, NSN8, NSN9, NSN10, NSN11** and **NSN19**. Press <enter> to page through the two pages with two records remaining on the third page. The following fields will be displayed: **NSN, INDEX, GENERIC** and **TECHNICAL** on first line and **BODY** (BODY-MATERIAL) and **END-DIM** (END-TO-END-DIMENSIONS) on second line.
8. Verify information is correct.
9. Verify all NSN's selected are correct. Select at random several records and enter the selection number (**NO**) in **REQUESTED NUMBER TO DISPLAY A SINGLE ITEM:** and press <enter> to view detailed information. Verify information is correct for all fields.

10. Using the Catalog Scan (Component Design Data) (CATPROP) process, enter on the OPT.12-14 START the following: 'SS' (without quotes), then enter in SEARCHING VALUE: **12** (BODY MATERIAL) and press <enter>. You should be returned five (5) records - **NSN12, NSN14, NSN15, NSN16** and **NSN18**. The following fields will be displayed: **NSN, INDEX, GENERIC** and **TECHNICAL** on first line and **BODY** (BODY-MATERIAL) on second line.
11. Verify information is correct.
12. Verify all NSN's selected are correct. Select several records and enter the **NO** in **REQUESTED NUMBER TO DISPLAY A SINGLE ITEM:** and press <enter> to view detailed information. Verify information is correct for all fields.
13. Using the Catalog Scan (Component Design Data) (CATPROP) process, enter on the OPT.12-14 START the following: 'ITH' (without quotes), then enter in SEARCHING VALUE: **13** (END CONNECTIONS) and press <enter>. You should be returned seven (7) records - **NSN12, NSN13, NSN14, NSN15, NSN16, NSN17** and **NSN20**. The following fields will be displayed: **NSN, INDEX, GENERIC** and **TECHNICAL** on first line and **END-CONNCTN** (END-CONNECTIONS) on second line.
14. Verify information is correct.
15. Verify all NSN's selected are correct. Select several records and enter the **NO** in **REQUESTED NUMBER TO DISPLAY A SINGLE ITEM:** and press <enter> to view detailed information. Verify information is correct for all fields.

**Pattern match any single position in a desired search string.**

1. Using the Catalog Scan (Component Design Data) (CATPROP) process, enter on the OPT.12-14 START the following: 'ST.EL' (without quotes), then enter in SEARCHING VALUE: **12** (BODY MATERIAL) and press <enter>. You should be returned five (5) records - **NSN12, NSN15, NSN16, NSN17** and **NSN18**. The following fields will be displayed: **NSN, INDEX, GENERIC** and **TECHNICAL** on first line and **BODY** (BODY-MATERIAL) on second line.
2. Verify information is correct.
3. Verify all NSN's selected are correct. Select several records and enter the selection number (**NO**) in **REQUESTED NUMBER TO DISPLAY A SINGLE ITEM:** and press <enter> to view detailed information. Verify information is correct for all fields.
4. Using the Catalog Scan (Component Design Data) (CATPROP) process, enter on the OPT.12-14 START the following: **PR.SS**, then enter in SEARCHING VALUE: **13** (END CONNECTIONS) and press <enter>. You should be returned four (4) records - **NSN12, NSN14, NSN18** and **NSN20**. The following fields will be displayed: **NSN, INDEX, GENERIC** and

**TECHNICAL** on first line and **END-CONNCTN** (END-CONNECTIONS) on second line.

5. Verify information is correct.
6. Verify all NSN's selected are correct. Select several records and enter the corresponding selection number (**NO**) in **REQUESTED NUMBER TO DISPLAY A SINGLE ITEM:** and press <enter> to view detailed information. Verify information is correct for all fields.

#### Using the Serial Traceable search.

1. Using the Scan Catalog By Serial (SERIAL) process, enter 'SERIALONE' (without quotes) in the **ENTER START VALUE:** and press <enter>. Enter the selection number (**NO**) corresponding to **SERIALONE** for **Asset21** at the **OR REQUESTED NUMBER TO DISPLAY A SINGLE ITEM:** and press <enter>.
2. Verify that the data (**BODY-MATERIAL, END-CONNECTIONS** and **END-TO-END-DIMENSIONS**) is correct for **SERIALONE / Asset21**.
3. Press <PF4> to return from the detail screen.
4. Repeat this for each of the Trace Keys used by **Asset21** and **Asset22**.

#### Using the Lot Batch Traceable search.

1. Using the Scan Catalog By Lot Batch (LOTBATCH) process, enter 'LOTBATCHONE' (without quotes) in the **ENTER START VALUE:** and press <enter>. Enter the selection number (NO) corresponding to **LOTBATCHONE** for **Asset23** at the **OR REQUESTED NUMBER TO DISPLAY A SINGLE ITEM:** and press <enter>.
2. Verify that the data (**BODY-MATERIAL, END-CONNECTIONS** and **END-TO-END-DIMENSIONS**) is correct for **LOTBATCHONE / Asset23**.
3. Press <PF4> to return from the detail screen.
4. Repeat this for each of the Trace Keys used by **Asset23** and **Asset24**.

#### Pattern match any number of positions in a desired search string.

1. Using the Catalog Scan (Component Design Data) (CATPROP) process, enter on the OPT.12-14 START the following: 'R\*R' (without quotes), then enter in SEARCHING VALUE: **12** (BODY MATERIAL) and press <enter>. You should be returned three (3) records - **NSN13, NSN21 and NSN24**. The following fields will be displayed: **NSN, INDEX, GENERIC** and **TECHNICAL** on first line and **BODY** (BODY-MATERIAL) on second line.
2. Verify information is correct.
3. Verify the NSN selected is correct. Enter '1' (without quotes) in **REQUESTED NUMBER TO DISPLAY A SINGLE ITEM:** and press <enter> to view detailed information. Verify information is correct for all fields.
4. Using the Catalog Scan (Component Design Data) (CATPROP) process, enter on the OPT.12-14 START the following: 'P\*E' (without quotes), then

enter in SEARCHING VALUE: **13** (END CONNECTIONS) and press <enter>. You should be returned ten (10) records - **NSN12, NSN13, NSN14, NSN16, NSN17, NSN18, NSN19, NSN20, NSN22** and **NSN23**. The following fields will be displayed: **NSN, INDEX, GENERIC** and **TECHNICAL** on first line and **END-CONNCTN** (END-CONNECTIONS) on second line.

5. Verify information is correct.
6. Verify all NSN's selected are correct. Select several records and enter the **NO** in **REQUESTED NUMBER TO DISPLAY A SINGLE ITEM:** and press <enter> to view detailed information. Verify information is correct for all fields.

**TEMPERATURE UNITS field required only when MIN. or MAX. Temperatures have a value**

1. Using the Add Change Or Delete Catalog Detail (CATADCHG) process, add a Catalog record. This will be referred to as **NSN25**.
2. Using the Change Catalog Detail (CATCHG) process, enter **NSN25** and press <enter>. Using multiple attempts, update fields as desired. Verify that the message, **015 - INVALID TEMPERATURE UNIT MUST BE 'R', 'F', OR 'C'** appears only when **MIN. WORKING TEMPERATURE** value or **MAX. WORKING TEMPERATURE** value is entered with a **TEMPERATURE UNITS** value other than 'R', 'F' or 'C'.
3. Using the Change Catalog Detail (CATCHG) process, enter **NSN21** and press <enter>. Enter zero (0) for both **MIN. WORKING TEMPERATURE** and **MAX. WORKING TEMPERATURE**. Enter 'R' for **TEMPERATURE UNITS** and press <enter>. The following message will be displayed: **015 - INVALID TEMPERATURE UNIT EXISTS WITHOUT MIN & MAX TEMPS.**
4. Using the Change Catalog Detail (CATCHG) process, enter a **MIN. WORKING TEMPERATURE** of three (3), a **MAX. WORKING TEMPERATURE** of three (3) and a **TEMPERATURE UNITS** of 'R' and press <enter>. You will see the following message displayed: **015 - INVALID : MAX WORKING TEMP MUST BE > MIN WORKING TEMP.**
5. Using the Change Catalog Detail (CATCHG) process, enter a **MIN. WORKING TEMPERATURE** of two (2), a **MAX. WORKING TEMPERATURE** of three (3) and a **TEMPERATURE UNITS** of 'R'. Press <enter> and process to completion. You should see displayed: **026 - UPDATES HAVE BEEN APPLIED.**

**9. PROBLEM – Issue Price Change transactions for a warehouse asset are not being extracted for IFMP processing. 1620# - 1043**

Issue price change transactions for a warehouse asset is not being extracted and written to the file that IFMP processes in batch mode.

**ACTION** – Correct process to extract the issue price change transactions for a warehouse asset and write to the outgoing file for processing by IFMP.

**Special Notes: Valid IFMP accounting data is needed for this test. An adhoc is provided that will reflect the warehouse/substore assets that have an issue price change transaction. The adhoc should be executed at the next prompt.**

## **VALIDATION**

1. Using the Add Change or Delete Catalog Detail (CATADCHG) process, add a catalog record with a commercial supply source. This NSN will be known as **NSN1**.
2. Using the Add, Change, or Delete asset (ADCHGAST) process, add a warehouse store stock asset for **NSN1**, this asset will be known as **Asset1**.
3. Using the Manual Commercial Due-In (MANCOMDI) process, add a due-in for **Asset1**.
4. Using the Manual Due-Out (MANUALDO) process, create a Due-Out for **Asset1**. Tie the due-in to the due-out.
5. Using the Receipt Due-In Not-Due-In (DINOTDI) process, receive the due-in for **Asset1**. Issue the due-outs. Process to completion. Note the document number of the receipt.
6. Using the Inventory Adjustment (INVADJST) process, increase the quantity of **Asset1**.
7. Using the Create Issue Directive (ISSUEPRE) process, issue some quantity for **Asset1**.
8. Using the Transaction Adjustment (TRANSADJ) process, change the price of the receipt transaction using the noted document number for the receipt.
9. Using the Commercial Order Demand Items (CODIRECT) process, add a due-in/due-out for a non-existent asset. Enter a source document and purchase order number. Process to completion.
10. Using the Receipt Due-In Not-Due-In (DINOTDI) process, receive the due-in created in the previous step. Process to completion. Note the document number of the receipt.
11. Using the Transaction Adjustment (TRANSADJ) process, change the price of the receipt transaction using the document number for the receipt created in the previous step.
12. Using the IFMP Outgoing Interface (IFMPOUT) process, submit the batch job to generate the interface. Process to completion. Verify the proper record layout of the transmit file. The issue price change (ISPC)

transactions should be on the report as well as the outgoing file for processing by IFMP.

13. Coordinate with the appropriate IFMP person to execute the IFMP job in a test mode to verify SAP is updated.

## APPENDIX D

### INSTALLATION INSTRUCTIONS AND CHECKLIST

#### Introduction

Release information:

System Name: NSMS  
Release Number: 8.2.0  
Release Date: August 6, 2004  
Effective Date: Immediately

In case of installation problems, contact the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center (Use following Key Words: SESAAS & NSMS)

Telephone: (256) 544-6673  
Email: scott.neely@msfc.nasa.gov  
FAX: (256) 544-1836

**\*\*\* IMPORTANT NOTE \*\*\***

**All release datasets must be deleted from the transient storage DASD volumes within 1 month of the release date. Failure to delete release datasets could negatively impact NPPS production.**

The following datasets are located on the transient storage DASD volumes under the following data sets names:

xxMOV.NSMS. PROD.R820. R0804.PRD  
MSMOV.NSMS. PROD.R820. R0804.SRC

Where "xx" is replaced by the appropriate NASA Center designation.

AR – ARC  
DF - DFRC  
J5 – JSC  
LA – LaRC  
LE – GRC (Glenn)  
MS - MSFC  
SS - SSC

#### Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in Section 10.0 to assist in tracking the installation of this release.

- 1.0 Backup Existing Data
- 2.0 Copy Source
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Load Natural Error Messages
- 8.0 Perform Release-Specific Procedures
- 9.0 Local JCL Mods
- 10.0 Installation Checklist

## **1. Backup Existing Data**

It is advisable to back up all NSMS files and NATURAL software libraries, as a precautionary measure, prior to installation.

## **2. Copy Source**

### **2.1 Load Source Code**

Did you backup your Natural software libraries?

Load the NSMS source modifications from the dataset MSMOV.NSMS.PROD.R820.R0804.SRC. The source programs were unloaded using the Natural utility NATUNLD. Using NATLOAD, the programs should be loaded to the application libraries named AGNSDEVL, AGNSTEST, and/or AGNSPROD, replacing any existing programs of the same name. The AGNSLIST libraries should also be loaded with the released modules.

The source module counts included in this release are listed below:

<b>Natural Source Modules by Type</b>	
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	15
MAPS	17
HELP ROUTINES	1
SUBROUTINES	8
SUBPROGRAMS	0
PROGRAMS	9
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
<b>Total:</b>	<b>50</b>

## 2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

### Added Modules

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
NSMHADJC	Inventory Adjustment	MAP	1014
NSSRCU1	Search Catalog Records	SUB	1041
NSDLCAU1	Search Catalog Records	LDA	1041
NSMPCAU1	Search Catalog Records	MAP	1041
NSMPCAU2	Search Catalog Records	MAP	1041
NSMHCAU1	Search Catalog Records	MAP	1041

### Changed Modules

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
NSDLISUS	Release Suspended Issue	LDA	0808
NSPTISUS	Release Suspended Issue	PGM	0808
NSMPINIT	Initialization	MAP	
NSDLACD5	Update Application Id for Asset	LDA	0888
NSMHACD5	Update Application Id for Asset	MAP	0888
NSMPACD5	Update Application Id for Asset	MAP	0888
NSSRACD5	Update Application Id for Asset	SUB	0888
NSDLFMDI	Fed/Mil Order Demand Items	LDA	0982
NSSRFMDI	Fed/Mil Order Demand Items	SUB	0982
NSDLADJA	Inventory Adjustment	LDA	1014
NSMPADJA	Inventory Adjustment	MAP	1014
NSHSADJA	Inventory Adjustment	HLP	1014
NSDLADJB	Inventory Adjustment	LDA	1014
NSPTADJA	Inventory Adjustment	PGM	1014
NSDLREAS	NASA1324 Report – Screen 6 & 7	LDA	1014
NSDL13B5	NASA1324 Report – Screen 6 & 7	LDA	1014
NSSR13B5	NASA1324 Report – Screen 6 & 7	SUB	1014
NSDL13B2	NASA1324 Report Generation	LDA	1014
NSMF13B3	NASA1324 Report Generation	MAP	1014
NSMF13B4	NASA1324 Report Generation	MAP	1014
NSPR13B2	NASA1324 Report Generation	PGM	1014
NSMPADJ1	Inventory Adjustment	MAP	1014
NSPTAADJ	Inventory Adjustment	PGM	1014
NSMPADJC	Inventory Adjustment	MAP	1014
NSDLTCID	Customer Id Table Maintenance	LDA	1033
NSMPTCID	Customer Id Table Maintenance	MAP	1033
NSPTTCID	Customer Id Table Maintenance	PGM	1033
NSPUFDUC	FEDMIL Status Updates – Incoming Status Records	PGM	1035
NSSRFSUA	Fed/MIL Status Update Process	SUB	1035
NSDLICAJ	Inventory Counts Asset Adjustment	LDA	1036
NSPUICAJ	Inventory Counts Asset Adjustment	PGM	1036
NSSRCID2	Catalog Inquiry – Catalog Detail Display	SUB	1041
NSSRCID3	Catalog Inquiry – Catalog Detail Display	SUB	1041
NSDLCID2	Catalog Inquiry – Catalog Detail Display	LDA	1041
NSMPCID3	Catalog Inquiry – Catalog Detail Display	MAP	1041
NSPTCAPR	Catalog Maintenance – Maintain Catalog		

	Detail Record	PGM	1041
NSDLCAPR	Catalog Maintenance – Maintain Catalog		
	Detail Record	LDA	1041
NSMPCAP1	Catalog Maintenance – Maintain Catalog		
	Detail Record	MAP	1041
NSPTCAS2	Search Catalog Records	PGM	1041
NSDLCAS2	Search Catalog Records	LDA	1041
NSMPCAS2	Search Catalog Records	MAP	1041
NSMHAS3	Search Catalog Records	MAP	1041
NSSRRADS	NSSRADS/Transaction Adjustments for		
	Family Assets	SUB	1043
NSDLRADS	NSSRADS/Transaction Adjustments for		
	Family Assets	LDA	1043

Deleted Modules

There are no modules to be deleted in this release.

### 3.0 Pre-Predict Data Conversion

There is no Pre-Predict data conversion for this release.

### 4.0 Install Predict

#### 4.1 Data Dictionary Changes

This release will include the new enhancements for version 8.2.0. Details for changes in this release can be found under paragraph 4.1.3 Physical File Changes or by performing PREDICT reporting on the keyword NSMS-8.2.0.

Use SYSDICBE to load the PREDICT modifications from the dataset  
xxMOV.NSMS.PROD.R820.R0804.PRD.

The following NSMS DDM should be generated after the PREDICT load is complete.

NS-ASSET  
NS-CATALOG  
NS-SECURITY

#### 4.1.1 Inventory of Objects

The object types and inventory listed below represent a comprehensive count of the PREDICT object modules for this release.

##### PREDICT Objects by Type:

Keyword	-	1
Standard Files	-	1
Conceptual Files	-	1
ADABAS Files and Views	-	6

#### 4.1.2 Storage Considerations

The changes represented by this release should not affect storage requirements.

#### 4.1.3 Physical File Changes

Use the ADABAS Utility commands listed below to build the JCL for file changes. The ADADBS control statements can be cut and pasted into the TSO ISPF editor. Call RICK BISHOP (256) 544-5352 with any questions or problems.

For ADABAS Partitioned files, physical file changes must be applied against each NASA Center's file partitions.

The following files had documentation changes only:

NS-ASSET  
NS-SECURITY

Add the following fields:

NS-CATALOG-FILE		File # 174							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*	-	-----	*	-----	-----	*	*	--	*
1		BODY-MATERIAL	A	40.0		D		CI	N
1		END-CONNECTIONS	A	60.0		D		CJ	N
1		END-TO-END-DIMENSIONS	N	6.6		D		CK	N

Using the following commands:

```
//DDKARTE DD *  
ADADBS NEWFIELD FILE=174  
ADADBS FNDEF='01,CI,40,A,NU,DE'  
ADADBS FNDEF='01,CJ,60,A,NU,DE'  
ADADBS FNDEF='01,CK,12,U,NU,DE'  
/*
```

## **5.0 Catalog Source Code**

Run a batch job to catalog (CATALL) all modules in the NSMS or other named library. It **IS NOT NECESSARY** to catalog the Global Data Area. The NASA Batch standard parameters should be used for the compile.

After all objects are compiled, the NSMS application will run under the NASA On-line standard parameters.

## **6.0 Post-Predict Data Conversion**

There is no Post-Predict data conversion for this release.

## **7.0 Load Natural Error Messages**

There are no Natural error messages for this release.

## **8.0 Perform Release-Specific Procedures**

There are no release specific procedures for this release.

## **9.0 Local JCL Mods**

There are no local JCL mods for this release.

## **10.0 Installation Checklist**

- 1.0 Backup Existing Data
- 2.1 Load Source Code
- 4.0 Install Predict
- 5.0 Catalog Source Code