

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

Beta Release 8.3.0

UNITeS Contract

October 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

October 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 October 29, 2004. Support of the previous release expires on the implementation date of release. This beta release must be in Test on October 29, 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 8.3.0, 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 1000, 1044, 1045, 1046, and 1048 approved by the CCB.

#### **1. Performance – Produce Inventory Control Report Option 8 from Inventory Counts 1620# - 1000**

The report is not calculating the result totals correctly. NASA requirements are to report Value and results of the Physical Inventory: 1. Line items and net value at begin of inventory. 2. No adjustments: Line items and Value of those assets, then percent into line 1., 3. Adjusted totals: Line items and Value of those assets, then percent into line 1., 2 and 3 should equal line 1 beginning value and calculate percent calculate to 100.

**ACTION** - Correct the calculations on this report.

#### **2. Performance – Create Issue Directive Process should retain the IFMP accounting data when the data is saved for the next transaction 1620# - 1044**

When saving the data from an Issue Post-Post (ISPP) via the Create Issue Directive, the IFMP accounting data is not being saved. By the process of saving the IFMP accounting data, the user has to re-enter the accounting data which is time-consuming and error-prone. See Release 8.1.1 Problem #1.....the release only solved problem for the ISPR and at LaRC we need the ISPP as well.

**ACTION** - Enhance the process to retain the IFMP accounting data when the save option is selected.

#### **3. Performance – Repeated pressing of <enter> key causes database slowdown 1620# - 1045**

On the blank ISSUE/ADJUST RESERVED STOCK (ISSUERSV) screen, when the <enter> key is pressed the database is searched for a blank value. This causes the entire database to be searched thus causing slowdown. No records will be returned.

**ACTION** - Modify NSMS - ISSUE/ADJUST RESERVED STOCK (ISSUERSV) process to inhibit database searching when no key values are present (when <enter> is pressed without a key value).

**4. Regulatory – LIMS mandated enhancements 1620# - 1046**

The NASA Semiannual Report of Supply Operations (1324) reports the count of assets having no issues within the last 12 months. It needs to report the dollar value of those assets. Additionally, it needs to report the adjustment value of excess assets transferred within the agency.

LIMS has been changed to report the dollar value of assets having no issues within the last 12 months, and to reflect the new reason code.

**ACTION** - Modify the 1324 report to present the dollar value of assets having no issues within the last 12 months, and to include the adjustment value of excess assets transferred within the agency (plus/minus) under a new reason code. Include the dollar value of assets having no issues in the last 12 months inside Section II--Materials Inventory Activity. Include the new reason code and dollar amounts (plus/minus) in Section VIII - Materials Inventory Adjustment Value Detail In Dollars.

Modify NSMS adjustment processes to add an option under "Reason for Adjustment" that states "Excess Transfer Within Agency". The quantity should be allowed to either decrease or increase.

**5. Regulatory – The building in NSMS when sent to NPDMS via NSMS / NPDMS Interface does not match what is expected by NPDMS 1620# - 1048**

NSMS uses a 5 digit building, NPDMS is expecting a site id plus dash (example MSFC 'MS-'). Currently everything sent from NSMS to the NSMS / NPDMS Interface file will not process in NPDMS. The reason is it errors with invalid building.

**ACTION** - Add logic to check using INST-ACCT\$ each record, compressing the appropriate site id and dash along with building into the field on the NSMS / NPDMS Interface file. Only the NSMS / NPDMS Interface program will have to be modified.

## **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-830, NSMS User and Operations Guide (UOG) dated October 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 8.3.0 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. Performance – Produce Inventory Control Report Option 8 from Inventory Counts 1620# - 1000

The report is not calculating the result totals correctly. NASA requirements are to report Value and results of the Physical Inventory: 1. Line items and net value at begin of inventory. 2. No adjustments: Line items and Value of those assets, then percent into line 1., 3. Adjusted totals: Line items and Value of those assets, then percent into line 1., 2 and 3 should equal line 1 beginning value and calculate percent calculate to 100.

**ACTION** – Correct the calculations on this report.

#### **SPECIAL NOTES:**

This test must be run twice, under differing IFMP environments, prepared as follows:

- **Testing with IFMP Indicator set to ‘Y’**
  - Contact the IFMP Support staff at your center to obtain at least one (1) set of IFMP accounting data for testing purposes.
  - Using the SITE PARAMETER TABLE (SITEPARM) process, select and enter ‘Y’ for Show-IFM-Parameters. Enter the test data supplied by IFMP personnel and IFM-System-Installed value of ‘Y’ and Present-The-Accounting-Data-Screen value of ‘Y’. Do not forget to do an INIT at command line to update the SITEPARM settings.
- **Testing with IFMP Indicator set to ‘N’**
  - Using the SITE PARAMETER TABLE (SITEPARM) process, select and enter ‘Y’ for Show-IFM-Parameters. Enter the test data supplied by IFMP personnel and IFM-System-Installed value of ‘N’ and Present-The-Accounting-Data-Screen value of ‘N’. Do not forget to do an INIT at command line to update the SITEPARM settings.

#### **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:
  - Specify Local-NSN values of ‘N’, DLSC-Status values of ‘A’.
  - Make note of the respective Supply-Source value used in each record.

- 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 Catalog Scan (CATSCAN) process, verify the catalog data for **NewCatalog1**, **NewCatalog2**, and **NewCatalog3**.
  4. Using the Add, Change, or Delete asset (ADCHGAST) process, add two (2) program stock assets for **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
    - On one asset created for **NewCatalog2**, specify twenty (20) Bin-Ids. On all other assets created, specify one (1) Bin-Id.
    - Twenty (20) Org-Project valuesThese assets will be identified as follows:
    - The program stock assets for **NewCatalog1** will be known as **Asset1** and **Asset2**, respectively.
    - The program stock asset for **NewCatalog2** with twenty (20) Bin-Ids will be known as **Asset3**. The program stock asset for **NewCatalog2** with one (1) Bin-Id will be known as **Asset4**.
    - The program stock assets for **NewCatalog3** will be known as **Asset5** and **Asset6**, respectively.
  5. Using the Asset Scan (SCANASET) process, verify the asset data for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**.
  6. Using the Receive Due-In Not-Due-In (DINOTDI) process, receive a minimum quantity of 220 for each of **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**, received as Not-Due-In quantity, as follows:
    - For each receipt's Supply-Source value, specify the respective Supply-Source value used in the corresponding catalog record, **NewCatalog1**, **NewCatalog2**, or **NewCatalog3**.
    - Allocate at least eleven (11) units received in each of the twenty (20) Org-Project values present on each respective asset.
    - For each of the traceable assets, (i.e., **Asset3**, **Asset4**, **Asset5**, and **Asset6**), in each of the twenty (20) Org-Project values present, specify a unique trace key value, grouping together the units received.
  7. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify the receipt transactions for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**.

8. Using the Asset Scan (SCANASET) process, verify the following values for each of **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**:
  - Quantity on hand
  - Org-Project values and quantities. Make note of the respective Org-Project values and quantities, as well as the order in which the respective Org-Project values appear on each asset.
  - Trace key values and quantities, as applicable
9. Using the Inventory Counts Main Menu (INVCTSMM) process, prepare and process an inventory count of type FSA (specify 'N' for last inventory date check; specify 'Y' for traceable assets) for each of **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**. For each asset, specify a quantity which differs from the quantity on hand, subject to the following:
  - The Inventory counts for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6** will be known as **Inventory1**, **Inventory2**, **Inventory3**, **Inventory4**, **Inventory5**, and **Inventory6**, respectively.
  - For **Asset1**, **Asset3**, and **Asset5**, the net total adjustment for each asset must be less than 10% of the total quantity for that asset.
  - For **Asset2**, **Asset4**, and **Asset6**, the net total adjustment for each asset must be greater than 10% of the total quantity for that asset.
  - In a single count, adjust the Org-Project quantities for each asset as follows:
    - Zero out the quantities allocated to the last three Org-Projects (i.e., Org-Projects numbered 18, 19, and 20 as shown in the previous asset scan) on each asset.
    - Zero out the quantities allocated to the first three Org-Projects (i.e., Org-Projects numbered 1, 2, and 3 as shown in the previous asset scan) on each asset.
    - Zero out the quantity allocated to at least one other Org-Project—chosen from among the Org-Projects numbered 8, 9, 10, 11, or 12, as shown in the previous asset scan—on each asset.
    - On the individual trace-keys of the traceable assets, (i.e., **Asset3**, **Asset4**, **Asset5**, and **Asset6**) on the remaining Org-Projects (i.e., those Org-Projects which are not zeroed out), specify a limited number of balanced counts (“No Adjustments”), adjustments less than 10% of the trace quantity (variance adjustments), and adjustments which exceed 10% of the trace quantity (error adjustments).

Please note: some of the quantities allocated to the remaining Org-Projects (i.e., those Org-Projects which are not zeroed out) on each asset may need to be increased, so that the net total adjustment on each asset falls within the 10% threshold or exceeds the 10% threshold, as applicable.

- Process each inventory, (i.e., **Inventory1, Inventory2, Inventory3, Inventory4, Inventory5, and Inventory6**) to completion of the final adjustment. Examine each output, making note of all errors and variances. Verify all errors and variances. Note: for both traceable assets and non-traceable assets, the Final Adjustment Report tracks errors, variances, and 'no adjustments' at the asset level.
10. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify the adjustment transactions for **Asset1, Asset2, Asset3, Asset4, Asset5, and Asset6**.
  11. Using the Asset Scan (SCANASET) process, verify the following for **Asset1, Asset2, Asset3, Asset4, Asset5, and Asset6**:
    - Quantity on hand
    - Org-Project values and quantities
    - Trace key values and quantities, as applicable
    - Org-Projects whose Org-Project quantity of a specific asset has been exhausted no longer appear in the Org-Project information for that asset.
  12. Using the Inventory Counts Main Menu (INVCTSMM) process, select "Produce Inventory Control Report" (option 8) to generate the inventory control report for each inventory, (i.e., **Inventory1, Inventory2, Inventory3, Inventory4, Inventory5, and Inventory6**). Submit each batch job. Process to completion. Examine each output and verify the errors and variances against adjustment transactions and the respective traceable asset data and non-traceable asset data.

## **2. Performance – Create Issue Directive Process should retain the IFMP accounting data when the data is saved for the next transaction 1620# - 1044**

When saving the data from an Issue Post-Post (ISPP) via the Create Issue Directive, the IFMP accounting data is not being saved. By the process of saving the IFMP accounting data, the user has to re-enter the accounting data which is time-consuming and error-prone. See Release 8.1.1 Problem #1.....the release only solved problem for the ISPR and at LaRC we need the ISPP as well.

**ACTION** – Enhance the process to retain the IFMP accounting data when the save option is selected.

### **VALIDATION**

#### **Testing with IFMP Indicator set to 'Y'**

1. Using the SITE PARAMETER TABLE (SITEPARM) process, select and enter "Y" for "SHOW IFM PARAMETERS". Enter the test data supplied by IFMP personnel and a "Y" in both IFM SYSTEM INSTALLED and PRESENT THE ACCOUNTING DATA SCREEN fields. Do not forget to do an INIT at command line to update the SITEPARM settings.

2. Contact the IFMP Support staff at your center to obtain two (2) sets of IFMP accounting data for testing purposes. These will be known as IFMP ACCT INFO ONE and IFMP ACCT INFO TWO.
3. Using the TYPE ACCT/OBJECT CLASS TABLE MAINT (FSGTATBL) process to select two FSC-CODES each with a unique OBJECT-CLASS.

**The remaining portion of this test will be executed six times, as follows:**

- First pass – Store Stock (Stock Status Code of “1”) Non-Traceable asset (blank value of TRACE-CODE on Catalog record).
  - Second pass – Standby Stock (Stock Status Code of “3”) Non-Traceable (blank value of TRACE-CODE on Catalog record).
  - Third pass – Store Stock (Stock Status Code of “1”) Serial Number Traceable asset (“S” value of TRACE-CODE on Catalog record).
  - Fourth pass – Standby Stock (Stock Status Code of “3”) Serial Number Traceable (“S” value of TRACE-CODE on Catalog record).
  - Fifth pass – Store Stock (Stock Status Code of “1”) Lot Batch Traceable asset (“L” value of TRACE-CODE on Catalog record).
  - Sixth pass – Standby Stock (Stock Status Code of “3”) Lot Batch Traceable (“L” value of TRACE-CODE on Catalog record).
4. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add a non-traceable catalog record (blank in TRACE CODE) incorporating the first of the unique FSC-CODES. This will be known as CATALOG ONE.
  5. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add a non-traceable catalog record (blank in TRACE CODE) incorporating the second of the unique FSC-CODES. This will be known as CATALOG TWO.
  6. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process, add a Store Stock (Stock Status Code of “1”) asset for CATALOG ONE. This will be known as ASSET ONE.
  7. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process, add a Store Stock (Stock Status Code of “1”) asset for CATALOG TWO. This will be known as ASSET TWO.
  8. Using the INVENTORY ADJUSTMENT (INVADJST) process to add a quantity of twelve (12) to ASSET ONE and ASSET TWO.

**Save Option- Different Object Class**

9. Using the ISSUE POST POST (ISSUEPP) process to issue two (2) from ASSET ONE. Enter IFMP ACCT INFO ONE when the ACCOUNTING DATA ISPP screen is presented. When the pop-up window asking “ENTER ‘C’ OR BLANK TO CLEAR THE SCREEN OR ‘S’ TO SAVE

- FIELDS FOR NEXT TRANSACTION” appears, enter “S” and continue processing.
10. Continue by issuing one (1) from ASSET TWO. Make note that IFMP ACCT INFO ONE is automatically populated in the ACCOUNTING DATA ISPP screen, with the values of IFMP ACCT INFO ONE. (Exception being the OBJECT-CLASS value. It should change to reflect the value of ASSET TWO). When the pop-up window appears asking “ENTER ‘C’ OR BLANK TO CLEAR THE SCREEN OR ‘S’ TO SAVE FIELDS FOR NEXT TRANSACTION”, enter “C” and process to completion.
  11. Using the MONITOR TRANSACTION (MONTRANS) process to verify that both ISPP transactions have the same IFMP ACCT INFO ONE data with the exception of OBJECT-CLASS

**Save Option- Same Object Class**

12. Using the ISSUE POST POST (ISSUEPP) process to issue three (3) from ASSET ONE. Enter IFMP ACCT INFO ONE when the ACCOUNTING DATA ISPP screen is presented. When the pop-up window asking “ENTER ‘C’ OR BLANK TO CLEAR THE SCREEN OR ‘S’ TO SAVE FIELDS FOR NEXT TRANSACTION”, enter “S” and continue processing.
13. Continue by issuing one (1) from ASSET ONE. Make note that the IFMP ACCT INFO ONE is automatically populated in the ACCOUNTING DATA ISPP screen, with the values of IFMP ACCT INFO ONE. When the pop-up window asking “ENTER ‘C’ OR BLANK TO CLEAR THE SCREEN OR ‘S’ TO SAVE FIELDS FOR NEXT TRANSACTION” appears, enter “C” and process to completion.
14. Using the MONITOR TRANSACTION (MONTRANS) process to verify that both ISPP transactions have the same IFMP ACCT INFO ONE data including OBJECT-CLASS.

**Save Option- Override Saved IFMP Data**

15. Using the ISSUE POST POST (ISSUEPP) process to issue three (3) from ASSET ONE. Enter IFMP ACCT INFO ONE when the ACCOUNTING DATA ISPP screen is presented. When the pop-up window asking “ENTER ‘C’ OR BLANK TO CLEAR THE SCREEN OR ‘S’ TO SAVE FIELDS FOR NEXT TRANSACTION” appears, enter “S” and continue processing.
16. Continue by issuing one (1) from ASSET ONE. Make note that the IFMP ACCT INFO ONE is automatically populated in the ACCOUNTING DATA ISPP screen, with the values of IFMP ACCT INFO ONE. Enter IFMP ACCT INFO TWO, blank out any unused fields and continue processing. When the pop-up window asking “ENTER ‘C’ OR BLANK TO CLEAR THE SCREEN OR ‘S’ TO SAVE FIELDS FOR NEXT TRANSACTION”, enter “C” and process to completion.

17. Using the MONITOR TRANSACTION (MONTRANS) process to verify that both ISPP transactions have the same IFMP ACCT INFO ONE data including OBJECT-CLASS.

**Clear Option- Manually Reenter IFMP Data**

18. Using the ISSUE POST POST (ISSUEPP) process to issue one (1) from ASSET ONE. Enter IFMP ACCT INFO ONE when the ACCOUNTING DATA ISPP screen is presented. When the pop-up window asking “ENTER ‘C’ OR BLANK TO CLEAR THE SCREEN OR ‘S’ TO SAVE FIELDS FOR NEXT TRANSACTION” appears, enter “C” and continue processing.
19. Continue by issuing two (2) from ASSET TWO, and continue processing. Note that the ACCOUNTING DATA ISPP screen is empty except for the OBJECT-CLASS and that the IFMP accounting data is not automatically populated. Enter IFMP ACCT INFO TWO, blanking out those fields not affected and process to completion.
20. Using the MONITOR TRANSACTION (MONTRANS) process to verify that the ISPP transactions for ASSET ONE has IFMP ACCT INFO ONE and ASSET TWO has IFMP ACCT INFO TWO.

**Testing with IFMP Indicator set to “N”**

1. Using the SITE PARAMETER TABLE (SITEPARM) process, select and enter “Y” for “SHOW IFM PARAMETERS”. Enter the test data supplied by IFMP personnel and a “N” in both IFM SYSTEM INSTALLED and PRESENT THE ACCOUNTING DATA SCREEN fields. Do not forget to do an INIT at command line to update the SITEPARM settings.
2. Using the TYPE ACCT/OBJECT CLASS TABLE MAINT (FSGTATBL) process to select two FSC-CODES each with a unique OBJECT-CLASS.

**The remaining portion of this test will be executed six times, as follows:**

- First pass – Store Stock (Stock Status Code of “1”) Non-Traceable asset (blank value of TRACE-CODE on Catalog record).
- Second pass – Standby Stock (Stock Status Code of “3”) Non-Traceable (blank value of TRACE-CODE on Catalog record).
- Third pass – Store Stock (Stock Status Code of “1”) Serial Number Traceable asset (“S” value of TRACE-CODE on Catalog record).
- Fourth pass – Standby Stock (Stock Status Code of “3”) Serial Number Traceable (“S” value of TRACE-CODE on Catalog record).
- Fifth pass – Store Stock (Stock Status Code of “1”) Lot Batch Traceable asset (“L” value of TRACE-CODE on Catalog record).
- Sixth pass – Standby Stock (Stock Status Code of “3”) Lot Batch Traceable (“L” value of TRACE-CODE on Catalog record).

3. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add a non-traceable catalog record (blank in TRACE CODE) incorporating the first of the unique FSC-CODES. This will be known as CATALOG ONE.
4. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add a non-traceable catalog record (blank in TRACE CODE) incorporating the second of the unique FSC-CODES. This will be known as CATALOG TWO.
5. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process, add a Store Stock (Stock Status Code of "1") asset for CATALOG ONE. This will be known as ASSET ONE.
6. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process, add a Store Stock (Stock Status Code of "1") asset for CATALOG TWO. This will be known as ASSET TWO.
7. Using the INVENTORY ADJUSTMENT (INVADJST) process to add a quantity of twelve (12) to ASSET ONE and ASSET TWO.

**Save Option- Assets With Different Object Classes**

8. Using the ISSUE POST POST (ISSUEPP) process to issue two (2) from ASSET ONE. When the pop-up window asking "ENTER 'C' OR BLANK TO CLEAR THE SCREEN OR 'S' TO SAVE FIELDS FOR NEXT TRANSACTION" appears, enter "S" and process to completion.
9. Continue by issuing one (1) from ASSET TWO. When the pop-up window asking "ENTER 'C' OR BLANK TO CLEAR THE SCREEN OR 'S' TO SAVE FIELDS FOR NEXT TRANSACTION" appears, enter "C" and process to completion.
10. Using the MONITOR TRANSACTION (MONTRANS) process to verify that both ISPP transactions have no IFMP accounting information.

**Save Option- Assets With Same Object Class**

11. Using the ISSUE POST POST (ISSUEPP) process to issue three (3) from ASSET ONE. When the pop-up window asking "ENTER 'C' OR BLANK TO CLEAR THE SCREEN OR 'S' TO SAVE FIELDS FOR NEXT TRANSACTION" appears, enter "S" and process to completion.
12. Continue by issuing one (1) from ASSET ONE. When the pop-up window asking "ENTER 'C' OR BLANK TO CLEAR THE SCREEN OR 'S' TO SAVE FIELDS FOR NEXT TRANSACTION" appears, enter "C" and process to completion.
13. Using the MONITOR TRANSACTION (MONTRANS) process to verify that both ISPP transactions have no IFMP accounting information.

**Clear Option**

14. Using the ISSUE POST POST (ISSUEPP) process to issue one (1) from ASSET ONE. When the pop-up window asking "ENTER 'C' OR BLANK

- TO CLEAR THE SCREEN OR 'S' TO SAVE FIELDS FOR NEXT TRANSACTION" appears, enter "C" and process to completion.
15. Continue by issuing two (2) from ASSET TWO. When the pop-up window asking "ENTER 'C' OR BLANK TO CLEAR THE SCREEN OR 'S' TO SAVE FIELDS FOR NEXT TRANSACTION" appears, enter "C" and process to completion.
  16. Using the MONITOR TRANSACTION (MONTRANS) process to verify that the two ISPP transactions have no IFMP accounting information.

### **3. Performance – Repeated pressing of <enter> key causes database slowdown) 1620# - 1045**

On the blank ISSUE/ADJUST RESERVED STOCK (ISSUERSV) screen, when the <enter> key is pressed the database is searched for a blank value. This causes the entire database to be searched thus causing slowdown. No records will be returned.

**ACTION** – Modify NSMS - ISSUE/ADJUST RESERVED STOCK (ISSUERSV) process to inhibit database searching when no key values are present (when <enter> is pressed without a key value).

### **VALIDATION**

#### **Testing with IFMP Indicator set to 'Y'**

1. Using the SITE PARAMETER TABLE (SITEPARM) process:
  - Select and enter "Y" for "SHOW IFM PARAMETERS".
  - Enter the test data supplied by IFMP personnel and a "Y" in both IFM SYSTEM INSTALLED and PRESENT THE ACCOUNTING DATA SCREEN fields.
  - Do an INIT at command line to update the SITEPARM settings.
2. Contact the IFMP Support staff at your center to obtain at least one (1) set of IFMP accounting data for testing purposes.
3. Using the CUSTOMER ID TABLE MAINTENANCE (CUSIDTAB) process, add nine unique Customer Ids / Customer Names. Make note of these Customer Ids / Customer Names. These will be **Customer1, Customer2, Customer3, Customer4, Customer5, Customer6, Customer7, Customer8** and **Customer9**.
4. Using the TYPE ACCT/OBJECT CLASS TABLE MAINT (FSGTATBL) process to select three FSC-CODES each with a unique OBJECT-CLASS.
5. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add a non-traceable catalog record (blank in TRACE CODE) incorporating the first of the unique FSC-CODES. Make sure the following Part Numbers are included: AAAAPART NUMBER, FFFFPART NUMBER, CCCCPART NUMBER, PART NUMBERAAAA and 5555PART NUMBER. This will be known as **Catalog1**.

6. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add a SERIAL NUMBER traceable catalog record ('S' in TRACE CODE) incorporating the second of the unique FSC-CODES. Make sure the following Part Numbers are included: DDDDPART NUMBER, HHHHPART NUMBER, BBBBPART NUMBER, PART NUMBERFFFF and 9999PART NUMBER. This will be known as **Catalog2**.
7. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add a LOT BATCH traceable catalog record ('L' in TRACE CODE) incorporating the third of the unique FSC-CODES. Make sure the following Part Numbers are included: EEEEPART NUMBER, MMMMPART NUMBER, IIIIPART NUMBER, PART NUMBERRRRRR and 1234PART NUMBER. This will be known as **Catalog3**.
8. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process, add a Store Stock (Stock Status Code of "1") asset, a Program Stock (Stock Status Code of "2") asset and a Standby Stock (Stock Status Code of "3") asset for **Catalog1**. These assets will be known as **Asset1**, **Asset2** and **Asset3**.
9. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process, add a Store Stock (Stock Status Code of "1") asset, a Program Stock (Stock Status Code of "2") asset and a Standby Stock (Stock Status Code of "3") asset for **Catalog2**. These assets will be known as **Asset4**, **Asset5** and **Asset6**.
10. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process, add a Store Stock (Stock Status Code of "1") asset, a Program Stock (Stock Status Code of "2") asset and a Standby Stock (Stock Status Code of "3") asset for **Catalog3**. These assets will be known as **Asset7**, **Asset8** and **Asset9**.
11. Using the INVENTORY ADJUSTMENT (INVADJST) process to add a quantity of one-hundred and twenty (120) to **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, **Asset6**, **Asset7**, **Asset8** and **Asset9** making sure each traceable asset has four Trace Keys and each Program Stock asset has four ORG/PROJ combinations with thirty (30) each.
12. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process, attempt to process **Asset1**, **Asset3**, **Asset4**, **Asset6**, **Asset7** and **Asset9** (Store and Standby Stock assets). You should get the following message: "015 – INVALID STOCK STATUS. INPUT 2".
13. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process and **Asset2**, enter a Part Number of "AAAAPART NUMBER", Customer Id for **Customer1** and quantity of four (4) (one for each ORG/PRJ combination). This will be known as **Reserve1**.

14. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process and **Asset5**, enter a Part Number of “DDDDPART NUMBER”, Customer Id for **Customer2** and quantity of four (4) (one for each ORG/PRJ/TRACE Key combination). This will be known as **Reserve2**.
15. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process and **Asset8**, enter a Part Number of “EEEEPART NUMBER”, Customer Id for **Customer3** and quantity of four (4) (one for each ORG/PRJ/TRACE Key combination). This will be known as **Reserve3**.
16. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process and **Asset2**, enter a Part Number of “FFFFPART NUMBER”, Customer Id for **Customer4** and quantity of four (4) (one for each ORG/PRJ combination). This will be known as **Reserve4**.
17. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process and **Asset5**, enter a Part Number of “HHHHPART NUMBER”, Customer Id for **Customer5** and quantity of four (4) (one for each ORG/PRJ/TRACE Key combination). This will be known as **Reserve5**.
18. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process and **Asset8**, enter a Part Number of “MMMMPART NUMBER”, Customer Id for **Customer6** and quantity of four (4) (one for each ORG/PRJ/TRACE Key combination). This will be known as **Reserve6**.
19. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process and **Asset2**, enter a Part Number of “CCCCPART NUMBER”, Customer Id for **Customer7** and quantity of four (4) (one for each ORG/PRJ combination). This will be known as **Reserve7**.
20. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process and **Asset5**, enter a Part Number of “BBBBPART NUMBER”, Customer Id for **Customer8** and quantity of four (4) (one for each ORG/PRJ/TRACE Key combination). This will be known as **Reserve8**.
21. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process and **Asset8**, enter a Part Number of “IIIIIPART NUMBER”, Customer Id for **Customer9** and quantity of four (4) (one for each ORG/PRJ/TRACE Key combination). This will be known as **Reserve9**.
22. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process and **Asset2**, enter a Part Number of “PART NUMBERAAAA”, Customer Id for **Customer1** and quantity of four (4) (one for each ORG/PRJ combination). This will be known as **Reserve10**.
23. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process and **Asset5**, enter a Part Number of “PART NUMBERFFFF”, Customer Id for **Customer2** and quantity of four (4) (one for each ORG/PRJ/TRACE Key combination). This will be known as **Reserve11**.
24. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process and **Asset8**, enter a Part Number of “PART NUMBERRRRR”, Customer Id for **Customer3** and quantity of four (4) (one for each ORG/PRJ/TRACE Key combination). This will be known as **Reserve12**.

25. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process and **Asset2**, enter a Part Number of "5555PART NUMBER" for **Asset2** Customer Id for **Customer4** and quantity of four (4) (one for each ORG/PRJ combination). This will be known as **Reserve13**.
26. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process and **Asset5**, enter a Part Number of "9999PART NUMBER", Customer Id for **Customer5** and quantity of four (4) (one for each ORG/PRJ/TRACE Key combination). This will be known as **Reserve14**.
27. Using the RESERVATION OF PROGRAM STOCK (RESERVE) process and **Asset8**, enter a Part Number of "1234PART NUMBER", Customer Id for **Customer6** and quantity of four (4) (one for each ORG/PRJ/TRACE Key combination). This will be known as **Reserve15**.
28. When using the ISSUE OF RESERVED STOCK (ISSUERSV) process, paging is accomplished by pressing the <enter> key.
29. Using the ISSUE OF RESERVED STOCK (ISSUERSV) process:
  - Enter the Customer Name corresponding to **Customer1** in the space provided for Customer Name and press <enter>.
  - Verify that **Reserve1** and **Reserve10** are among the records displayed.
  - Enter the Customer Name corresponding to **Customer2** in "ENTER STARTING VALUE" and make sure "SEARCH VALUE:" is set to 1. Press <enter>.
  - Verify that **Reserve2** and **Reserve11** are among the records displayed.
30. Using the ISSUE OF RESERVED STOCK (ISSUERSV) process:
  - Enter "PART NUM" in the space provided for Part Number and press <enter>.
  - Verify that **Reserve10**, **Reserve11** and **Reserve12** are among the records displayed.
  - Enter the value of "AAAAPART" in "ENTER STARTING VALUE" and make sure "SEARCH VALUE:" is set to 2. Press <enter>.
  - Verify that **Reserve1** thru **Reserve15** are among the records displayed.
31. Using the ISSUE OF RESERVED STOCK (ISSUERSV) process:
  - Enter for NSN the value of NSN, STOCK STATUS CODE and STOCK OWNERSHIP of **Asset2** and press <enter>.
  - Verify that **Reserve1**, **Reserve4**, **Reserve7**, **Reserve10** and **Reserve13** are among the records displayed.
  - Enter the value of NSN, STOCK STATUS CODE and STOCK OWNERSHIP for **Asset4** in "ENTER STARTING VALUE" and make sure "SEARCH VALUE:" is set to 3. Press <enter>.
  - Verify that **Reserve2**, **Reserve5**, **Reserve8**, **Reserve11** and **Reserve14** are among the records displayed.

32. Using the ISSUE OF RESERVED STOCK (ISSUERSV) process:
- Enter the Customer Name corresponding to **Customer2** in the space provided for Customer Name and press <enter>.
  - Verify that **Reserve2** and **Reserve11** are among the records displayed.
  - Enter the value of "9999PART NUMBER" in 'ENTER STARTING VALUE" and make sure "SEARCH VALUE:" is set to 2. Press <enter>.
  - Verify that **Reserve14** is among the records displayed.
33. Using the ISSUE OF RESERVED STOCK (ISSUERSV) process:
- Enter the Customer Name corresponding to **Customer3** in the space provided for Customer Name and press <enter>.
  - Verify that **Reserve3** and **Reserve12** are among the records displayed.
  - Enter the value of NSN, STOCK STATUS CODE and STOCK OWNERSHIP of **Asset8** in 'ENTER STARTING VALUE" and make sure "SEARCH VALUE:" is set to 3. Press <enter>.
  - Verify that **Reserve3, Reserve6, Reserve9, Reserve12** and **Reserve15** are among the records displayed.
34. Using the ISSUE OF RESERVED STOCK (ISSUERSV) process:
- Enter "9999PART NUMBER" in PART NUMBER and press <enter>.
  - Verify that **Reserve14** is among the records displayed.
  - Enter the Customer Name corresponding to **Customer9** in 'ENTER STARTING VALUE" and make sure "SEARCH VALUE:" is set to 1.
  - Press <enter>. Verify that **Reserve9** is among the records displayed.
35. Using the ISSUE OF RESERVED STOCK (ISSUERSV) process:
- Enter "5555PART NUMBER" in PART NUMBER and press <enter>.
  - Verify that **Reserve13** and **Reserve14** are among the records displayed.
  - Enter the value of NSN, STOCK STATUS CODE and STOCK OWNERSHIP of **Asset8** in "ENTER STARTING VALUE" and make sure "SEARCH VALUE:" is set to 3. Press <enter>.
  - Verify that **Reserve3, Reserve6, Reserve9, Reserve12** and **Reserve15** are among the records displayed.
36. Using the ISSUE OF RESERVED STOCK (ISSUERSV) process:
- Enter the value of NSN, STOCK STATUS CODE and STOCK OWNERSHIP for **Asset8** in NSN and press <enter>.
  - Verify that **Reserve3, Reserve6, Reserve9, Reserve12** and **Reserve15** are among the records displayed.
  - Enter the Customer Name corresponding to **Customer1** in "ENTER STARTING VALUE" and make sure "SEARCH VALUE:" is set to 1. Press <enter>.

- Verify that **Reserve1** and **Reserve10** are among the records displayed.
37. Using the ISSUE OF RESERVED STOCK (ISSUERSV) process:
- Enter the value of NSN, STOCK STATUS CODE and STOCK OWNERSHIP for **Asset8** in NSN and press <enter>.
  - Verify that **Reserve3, Reserve6, Reserve9, Reserve12** and **Reserve15** are among the records displayed.
  - Using the ISSUE OF RESERVED STOCK (ISSUERSV) process, enter “PART NUMBER” in ‘ENTER STARTING VALUE” and make sure “SEARCH VALUE:” is set to 2. Press <enter>.
  - Verify that **Reserve10, Reserve11** and **Reserve12** are among the records displayed.
38. Using the ISSUE OF RESERVED STOCK (ISSUERSV) process:
- Enter blank for CUSTOMER NAME, PART NUMBER and NSN. Press <enter>.
  - Verify that **Reserve1** thru **Reserve15** are among the records displayed.
39. Using the ISSUE OF RESERVED STOCK (ISSUERSV) process:
- Enter the value of NSN, STOCK STATUS CODE and STOCK OWNERSHIP for **Asset8** in NSN and press <enter>.
  - Verify that **Reserve3, Reserve6, Reserve9, Reserve12** and **Reserve15** are among the records displayed.
  - Enter the value of “ ” (press spacer bar once) in “ENTER STARTING VALUE” and make sure “SEARCH VALUE:” is set to 1. Press <enter>.
  - Verify that **Reserve1** thru **Reserve15** are among the records displayed.
40. Using the ISSUE OF RESERVED STOCK (ISSUERSV) process:
- Enter the value of NSN, STOCK STATUS CODE and STOCK OWNERSHIP for **Asset8** in NSN and press <enter>.
  - Verify that **Reserve3, Reserve6, Reserve9, Reserve12** and **Reserve15** are among the records displayed.
  - Enter the value of “ ” (press spacer bar once) in “ENTER STARTING VALUE” and make sure “SEARCH VALUE:” is set to 2. Press <enter>.
  - Verify that **Reserve1** thru **Reserve15** are among the records displayed.
41. Using the ISSUE OF RESERVED STOCK (ISSUERSV) process:
- Enter the value of NSN, STOCK STATUS CODE and STOCK OWNERSHIP for **Asset8** in NSN and press <enter>.
  - Verify that **Reserve3, Reserve6, Reserve9, Reserve12** and **Reserve15** are among the records displayed.
  - Enter the value of “ ” (press spacer bar once) in “ENTER STARTING VALUE” and make sure “SEARCH VALUE:” is set to 3. Press <enter>.

- Verify that **Reserve1** thru **Reserve15** are among the records displayed.
42. Select at random and “I – Process Issue” and “A – Adjust / Cancel Reserve” on several records. Process to completion.
  43. Verify using MONITOR TRANSACTIONS (MONTRANS) process that the correct transactions created for the correct assets.
  44. Using the SITE PARAMETER TABLE (SITEPARM) process:
    - Select and enter “Y” for “SHOW IFM PARAMETERS”.
    - Enter the test data supplied by IFMP personnel and a “N” in both IFM SYSTEM INSTALLED and PRESENT THE ACCOUNTING DATA SCREEN fields.
    - Do an INIT at command line to update the SITEPARM settings.
    - Repeat entire test.

#### **4. Regulatory – LIMS mandated enhancements 1620# - 1046**

The NASA Semiannual Report of Supply Operations (1324) reports the count of assets having no issues within the last 12 months. It needs to report the dollar value of those assets. Additionally, it needs to report the adjustment value of excess assets transferred within the agency.

LIMS has been changed to report the dollar value of assets having no issues within the last 12 months, and to reflect the new reason code.

**ACTION** – Modify the 1324 report to present the dollar value of assets having no issues within the last 12 months, and to include the adjustment value of excess assets transferred within the agency (plus/minus) under a new reason code. Include the dollar value of assets having no issues in the last 12 months inside Section II--Materials Inventory Activity. Include the new reason code and dollar amounts (plus/minus) in Section VIII - Materials Inventory Adjustment Value Detail In Dollars.

Modify NSMS adjustment processes to add an option under "Reason for Adjustment" that states "Excess Transfer Within Agency". The quantity should be allowed to either decrease or increase.

#### **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 fourteen (14). 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:

• <b>Asset1</b>	Physical Inventory Discrepancy (Code 1)	decrease by	2 units
• <b>Asset4</b>	Physical Inventory Discrepancy (Code 1)	increase by	5 units
• <b>Asset7</b>	Damage/Destruction (Code 2)	decrease by	1 unit
• <b>Asset2</b>	Obsolescence/Deterioration (Code 3)	decrease by	4 units
• <b>Asset5</b>	Loss (Code 4)	decrease by	2 units
• <b>Asset8</b>	Theft (Code 5)	decrease by	3 units
• <b>Asset3</b>	Correct Adjust Done in Error (Code 6)	decrease by	2 units
• <b>Asset6</b>	Correct Adjust Done in Error (Code 6)	increase by	4 units
• <b>Asset9</b>	Operational Error (Code 7)	decrease by	2 units
• <b>Asset1</b>	Operational Error (Code 7)	increase by	1 unit
• <b>Asset4</b>	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 5 units
  - **Asset1** Inspection/Test/Destruction (Code 13) decrease by 3 units
  - **Asset1** Excess Transfer Within Agency (Code 14) increase by 7 units
  - **Asset1** Excess Transfer Within Agency (Code 14) decrease by 2 units
  - **Asset2** Excess Transfer Within Agency (Code 14) increase by 3 units
  - **Asset3** Excess Transfer Within Agency (Code 14) increase by 5 units
  - **Asset4** Excess Transfer Within Agency (Code 14) increase by 3 units
  - **Asset5** Excess Transfer Within Agency (Code 14) increase by 4 units
  - **Asset6** Excess Transfer Within Agency (Code 14) increase by 2 units
  - **Asset7** Excess Transfer Within Agency (Code 14) increase by 2 units
  - **Asset8** Excess Transfer Within Agency (Code 14) increase by 5 units
  - **Asset9** Excess Transfer Within Agency (Code 14) increase by 4 units
  - **Asset2** Excess Transfer Within Agency (Code 14) decrease by 4 units
  - **Asset3** Excess Transfer Within Agency (Code 14) decrease by 1 units
  - **Asset4** Excess Transfer Within Agency (Code 14) decrease by 5 units
  - **Asset5** Excess Transfer Within Agency (Code 14) decrease by 2 units
  - **Asset6** Excess Transfer Within Agency (Code 14) decrease by 1 units
  - **Asset7** Excess Transfer Within Agency (Code 14) decrease by 3 units
  - **Asset8** Excess Transfer Within Agency (Code 14) decrease by 4 units
  - **Asset9** Excess Transfer Within Agency (Code 14) 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 Analyses 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 analyses 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 analyses 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 analyses 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 '14 – Excess Transfer Within Agency'. Verify the message: "188 - Invalid -> Please Use An X To Indicate Your Selection." Erase the 'A' adjacent to Reason Code '14 – Excess Transfer Within Agency'.
  - 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 analyses 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 ‘14 – Excess Transfer Within Agency’.
  - 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 analyses 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 analyses 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 (01-14) Reason For Adjustment".
  - Specify a Reason for Adjustment value of zero. Press <Enter>. Verify the message: "040 - Please Enter Valid (01-14) Reason For Adjustment".
  - Specify a Reason for Adjustment value less than zero. Press <Enter>. Verify the message: "040 - Please Enter Valid (01-14) Reason For Adjustment". Erase the Reason for Adjustment value.
  - Specify a Reason for Adjustment value greater than fourteen (14). Press <Enter>. Verify the message: "040 - Please Enter Valid (01-14) 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 '14 – Excess Transfer Within Agency'. Verify the message: "188 - Invalid -> Please Use An X To Indicate Your Selection." Erase the 'A' adjacent to Reason Code '14 – Excess Transfer Within Agency'.
  - 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 analyses 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 ‘14 – Excess Transfer Within Agency’.
  - 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:

- 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.

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.
37. Using the ad hoc program NSMS97L9, specify the following values for each applicable combination of Domain plus Stock-Status determined to be included in the 1324 report to verify the counts and dollar values of items having no issues in the last twelve (12) months prior to the ending date of the 1324 report (lines 9 and 9A, respectively), according to stock status:
- For Domain (#I-domain), specify the domain identifier of each respective domain determined to be included in the 1324 report. Note: each respective domain to be included in the 1324 report will have the following characteristics:
    - Domain 'NS' is always included in the 1324 report.

- For domains other than domain 'NS', the domain identifier will have 'N' in the first character position.
- The domain's site parameter table (SITEPARM) will show Include-in-1324-HQ-Report value of 'Y'.
- The domain's site parameter table (SITEPARM) will show As-Pre-Expended value of 'N'.
- For Beginning-Date (#B-date-A), specify the date of **Asset-Balance-1**, expressed as an 8-digit date of the form YYYYMMDD.
- For Ending-Date (#E-date-A), specify the date of **Asset-Balance-1**, expressed as an 8-digit date of the form YYYYMMDD.
- For Stock-Status-Code (#I-SSC), specify values of 1 (Stores Stock), 2 (Program Stock), and 3 (Standby Stock).

**5. Regulatory – The building in NSMS when sent to NPDMS via NSMS / NPDMS Interface does not match what is expected by NPDMS 1620# - 1048**

NSMS uses a 5 digit building, NPDMS is expecting a site id plus dash (example MSFC 'MS-'). Currently everything sent from NSMS to the NSMS / NPDMS Interface file will not process in NPDMS. The reason is it errors with invalid building.

**ACTION** – Add logic to check using INST-ACCT\$ each record, compressing the appropriate site id and dash along with building into the field on the NSMS / NPDMS Interface file. Only the NSMS / NPDMS Interface program will have to be modified.

**Additional information:**

<u>Installation</u>	<u>Site Id</u>
Dryden Flight Research Center	DR
Marshall Space Flight Center	MS
Langley Research Center	LA
Glenn Research Center	GR
Ames Research Center	AR
Johnson Space Center	JS
Stennis Space Center	SS

**SPECIAL NOTES:**

This test must be run twice, under differing IFMP environments, prepared as follows:

- **Testing with IFMP Indicator set to 'Y'**
  - Contact the IFMP Support staff at your center to obtain at least one (1) set of IFMP accounting data for testing purposes.

- Using the SITE PARAMETER TABLE (SITEPARM) process, select and enter 'Y' for Show-IFM-Parameters. Enter the test data supplied by IFMP personnel and IFM-System-Installed value of 'Y' and Present-The-Accounting-Data-Screen value of 'Y'. Do not forget to do an INIT at command line to update the SITEPARM settings.
- **Testing with IFMP Indicator set to 'N'**
  - Using the SITE PARAMETER TABLE (SITEPARM) process, select and enter 'Y' for Show-IFM-Parameters. Enter the test data supplied by IFMP personnel and IFM-System-Installed value of 'N' and Present-The-Accounting-Data-Screen value of 'N'. Do not forget to do an INIT at command line to update the SITEPARM settings.

## VALIDATION

1. Using the TYPE ACCT/OBJECT CLASS TABLE MAINT (FSGTATBL) process to select three FSC-CODES each with a unique OBJECT-CLASS.
2. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add a non-traceable catalog record (blank in TRACE CODE) incorporating the first of the unique FSC-CODES. This will be known as **Catalog1**.
3. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add a SERIAL NUMBER traceable catalog record ('S' in TRACE CODE) incorporating the second of the unique FSC-CODES. This will be known as **Catalog2**.
4. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add a LOT BATCH traceable catalog record ('L' in TRACE CODE) incorporating the third of the unique FSC-CODES. This will be known as **Catalog3**.
5. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process, add a Store Stock (Stock Status Code of "1") asset, a Program Stock (Stock Status Code of "2") asset and a Standby Stock (Stock Status Code of "3") asset for **Catalog1**, as follows:
  - Make sure each asset has at least one Bin-Id.
  - Make sure each asset when appropriate has four Org/Prj combinations.
  - These assets will be known as **Asset1**, **Asset2** and **Asset3**.
6. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process, add a Store Stock (Stock Status Code of "1") asset, a Program Stock (Stock Status Code of "2") asset and a Standby Stock (Stock Status Code of "3") asset for **Catalog2**, as follows:
  - Make sure each asset has at least one Bin-Id.
  - Make sure each asset when appropriate has four Org/Prj combinations.
  - These assets will be known as **Asset4**, **Asset5** and **Asset6**.

7. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process, add a Store Stock (Stock Status Code of "1") asset, a Program Stock (Stock Status Code of "2") asset and a Standby Stock (Stock Status Code of "3") asset for **Catalog3**, as follows:
  - Make sure each asset has at least one Bin-Id.
  - Make sure each asset when appropriate has four Org/Prj combinations.
  - These assets will be known as **Asset7**, **Asset8** and **Asset9**.
8. Using the INVENTORY ADJUSTMENT (INVADJST) process to add a quantity of one-hundred twenty (120) to **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, **Asset6**, **Asset7**, **Asset8** and **Asset9** making sure each traceable asset has four (4) Trace Keys and each Program Stock asset has four (4) ORG/PROJ combinations with a quantity of thirty (30) each. Make note of the PRIMARY WAREHOUSE for each asset.

**The remainder of the test will be executed three times, as follows:**

- For the first pass- NSNPDMS4 will be used to specify exact matches for the counts. See below.
  - For the second pass- NSNPDMS4 will be used to specify underage for the counts. See below.
  - For the third pass- NSNPDMS4 will be used to specify overage for the counts. See below.
9. Using the CREATE SUSPENDED EXCESS TRANSACTION (DISPAST) process, excess four (4) from **Asset1**, **Asset2** and **Asset3**. Make sure the quantity is divided equally among the Org/Prj combinations when appropriate. These will be referred to as **Excess1**, **Excess2** and **Excess3**.
  10. Using the CREATE SUSPENDED EXCESS TRANSACTION (DISPAST) process, excess four (4) from **Asset4**, **Asset5**, **Asset6**, **Asset7**, **Asset8** and **Asset9**. Make sure each Org/Prj/Trace Key combination has one (1). These will be referred to as **Excess4**, **Excess5**, **Excess6**, **Excess7**, **Excess8** and **Excess9**.
  11. Using the MONITOR TRANSACTION (MONTRANS) process:
    - Verify that an AXSS transaction was created for each of the nine assets.
    - Verify that each transaction has an EXCESS STATUS of "**Not Submitted To NPDMS**".
    - Make note of the Document Numbers.
  12. Using the CREATE NPDMS INTERFACE (NPDMSINT) process:
    - Submit batch job sending NPDMS the needed information.
    - Run to completion and verify no errors took place.

13. Using the MONITOR TRANSACTION (MONTRANS) process, verify all nine AXSS transactions now have an EXCESS STATUS of **“Submitted To NPDMS”**.
14. Using the newly created ad hoc, NSMS1048, view each of the nine document numbers verifying the PROP-LCTN-BLDG-ADRS on the ND-NSMS file (interface file) is in the format SS-XXXXX, where SS represents the Site-Id and XXXXX represents the Primary Warehouse.
15. Using the existing ad hoc, NSNPDMS2, enter the Document Number for each of the nine AXSS transactions created simulating acceptance by NPDMS.
16. Using the MONITOR TRANSACTION (MONTRANS) process, verify that each of the nine AXSS transactions have an EXCESS STATUS of **“Accepted By NPDMS”**.
17. Using the existing ad hoc, NSNPDMS4, enter the Document Number for each of the nine AXSS transactions created above, simulating closure by NPDMS.
  - For the first pass (exact):
    - Enter blank in “Quantity Status” and four (4) in “Quantity”
    - Press <enter> to process
  - For the second pass (underage):
    - Enter “U” in “Quantity Status” and one (1) in “Quantity”
    - Press <enter> to process
  - For the third pass (overage):
    - Enter “O” in “Quantity Status” and seven (7) in “Quantity”
    - Press <enter> to process
18. Using the MONITOR TRANSACTION (MONTRANS) process, verify that each of the nine AXSS transactions have an EXCESS STATUS of **“Closed By NPDMS/Open On NSMS”**.
19. Using the CREATE EXCESS DISPOSAL TRANSACTION (NPDMSUPD) process, submit the batch job pulling NPDMS needed information. Run to completion and verify no errors took place.
20. Using the MONITOR TRANSACTION (MONTRANS) process, verify an AXCS transaction was generated for each of the nine AXSS transactions, noting the document number.
21. The following steps may be omitted for records when counts are exact matches:
  - Using the ADJUST EXCESS DISPOSAL TRANSACTION (XCADJUST), adjust the AXCS if any difference exists in any of the nine document numbers.
  - Using the MONITOR TRANSACTION (MONTRANS) process, verify the AXCSA transactions generated are correct.
22. Using the PURGE NPDMS CLOSED RECORDS (NPDMSPRG) process, submit batch job to purge closed NPDMS records.

23. Using the MONITOR TRANSACTION (MONTRANS) process, verify that each of the nine AXSS and nine AXCS transactions have an EXCESS STATUS of **“Closed By NSMS”**.

## APPENDIX D

### INSTALLATION INSTRUCTIONS AND CHECKLIST

#### Introduction

Release information:

System Name: NSMS  
Release Number: 8.3.0  
Release Date: October 29, 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](mailto: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.BETA.R830.R1004.PRD  
MSMOV.NSMS.BETA.R830.R1004.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.BETA.R830.R1004.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	11
MAPS	8
HELP ROUTINES	1
SUBROUTINES	2
SUBPROGRAMS	0
PROGRAMS	9
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
<b>Total:</b>	<b>31</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>
NSDLEXTN	Create NPDMS Interface with Type 1 Records	LDA	1048
NSMS1048	Ad hoc for Bldg Verification	PGM	1048

### Changed Modules

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
NSMPINIT	Initialization	MAP	
NSDLICPC	Print Inventory Control Report	LDA	1000
NSMFICP4	Print Inventory Control Report	MAP	1000
NSPRICPC	Print Inventory Control Report	PGM	1000
NSDLISPP	Issue Post Post	LDA	1044
NSPTISPP	Issue Post Post	PGM	1044
NSDLISRS	Reservation of Program Stock	LDA	1045
NSMPISRS	Reservation of Program Stock	MAP	1045
NSPTISRS	Reservation of Program Stock	PGM	1045
NSDLADJA	Inventory Adjustment LDA	LDA	1046
NSDLADJB	Browse Select Reason Code LDA	LDA	1046
NSDLREAS	Reason Code Definitions LDA	LDA	1046
NSDL13B2	NASA 1324 LDA	LDA	1046
NSDL13B5	NASA 1324 Reason Code Definitions	LDA	1046
NSDL13B7	NASA 1324 Section 1 Counts & Amounts	LDA	1046
NSHSADJA	Browse Select Reason Code	HLP	1046
NSMF13B1	Semiannual Report Of Personal Property—Pg.1	MAP	1046
NSMF13B4	Semiannual Report Of Personal Property—Pg.4	MAP	1046
NSMPADJA	Inventory Adjustment—Analysis	MAP	1046
NSMPADJC	Inventory Adjustment Reason Select	MAP	1046
NSMPADJ1	Inventory Adjustment—Administrative	MAP	1046
NSMS97L9	Ad Hoc Verify Line 9 of 1324 Report	PGM	1046
NSPR13B2	Semiannual Report Of Personal Property	PGM	1046
NSPTAADJ	Inventory Adjustment—Administrative	PGM	1046
NSPTADJA	Inventory Adjustment—Analysis	PGM	1046
NSSR13B4	NASA 1324 Report—Section 1 Counts & Amounts	SUB	1046
NSSR13B5	NASA 1324 Report—Section 6 & 7 Amounts	SUB	1046
NSPUEXT1	Create NPDMS Interface with Type 1 Records	PGM	1048

NSDLEXT1    Create NPDMS Interface with    LDA    1048  
                  Type 1 Records

#### 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 8.3.0. 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-8.3.0.

Use SYSDICBE to load the PREDICT modifications from the dataset  
xxMOV.NSMS.BETA.R830.R1004.PRD.

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

NS-TRANSACTION

#### 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	-	0
ADABAS Files and Views	-	30

#### 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.

Invert the following Superdescriptors:

NS-TRANSACTION-FILE		File #	182						
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
SP	1	D-TYPE-CUSTOMER-NAME-DNC	A	47.0		D		HQ	N
SP	1	D-TYPE-PART-NUMBER-NSO-DNC	A	70.0		D		HR	N

Using the following commands:

```
//DDKARTE DD *
ADAINV INVERT FILE=182
ADAINV TEMPSIZE=???,SORTSIZE=???
ADAINV SUPDE='HQ=BP(1,2),A2(1,5),AI(1,25),CT(1,15) '
/*
```

```
//DDKARTE DD *
ADAINV INVERT FILE=182
ADAINV TEMPSIZE=???,SORTSIZE=???
ADAINV SUPDE='HR=BP(1,2),A2(1,5),DN(1,32),BP(3,18),CT(1,15) '
/*
```

## 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