

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

Release 6.6.0

PrISMS Contract

July 2000



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

July 2000

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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 6.6.0.

The release has an effective date of July 31, 2000 and is scheduled for implementation by August 31, 2000. Support of the previous release expires on the implementation date of release 6.6.0.

### **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 6.6.0, 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:

Pam Leak at telephone number (256)544-1388 or  
by e-mail Pam.Leak@msfc.nasa.gov

Steve Rowell at telephone number (256)544-1452 or  
by e-mail Steve.Rowell@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 incorporates Discrepancy Report (DR) 967, 984 and 985.

This release includes the necessary modules to incorporate RC 440, 886, 958, 968, 969, 978, 979 and 983 approved by the CCB.

**THIS RELEASE SHOULD NOT BE INSTALLED IN PRODUCTION IF THERE ARE INVENTORY COUNTS ALREADY IN PROGRESS.**

#### **1. ENHANCEMENT -- (Reorder Process) 1620# - 440, 886**

The reorder process only allows stock status 1 and 3 to go through the reorder process for order notice review.

Currently, NSMS does not offer the capability to replenish program stock. With the implementation of MSFC's Flight Hardware program this capability is essential.

**ACTION** - Include an option to select stock status 2 to process through reorder and show on the Order Notice Review screen. An asset should only be included if the reorder point quantity is greater than zero.

Enhance NSMS to offer the functionality of replenishing program stock.

#### **2. ENHANCEMENT - (Inventory Counts) 1620# - 958**

After each final inventory adjustment, a report is generated listing all items requiring adjustments which requires signature authority (as shown in the bottom of each report as signature and date lines). This is the only time this type report is printed. In some cases, when this report is routed for signature approval, the listing seems to disappear. It will be very helpful to be able to reprint the adjustment report. Need to re-print last page of Control Report.

**ACTION** – Incorporate the ability to reprint above reports in NSMS. Suggest that it is menu driven report.

### **3. PROBLEM - (Asset Scan) 1620# - 967**

A Natural error (1009 occurring at line 670) is being returned when no data (all records have been discontinued) is retrieved to display in the asset scan process. The error will also occur when searching by an NSN greater than the last NSN for the domain.

**ACTION** – Correct the process to return the appropriate message.

### **4. ENHANCEMENT - (Shelf Life Deletion Report) 1620# - 968**

Currently when an asset's on-hand quantity is reduced to zero and the item has shelf life data, the shelf life data is retained.

**ACTION** – Create a batch process to delete the shelf life data for an asset with an on-hand quantity of zero.

### **5. ENHANCEMENT - (Receive Due In/Not Due In) 1620# - 969**

It is required to input shelf life data to all Just-In-Time (JIT) items requiring it even though the material is considered a direct turnover item. NSMS is used as a vehicle to do the JIT processing. During the receipt process it is required that the shelf life data is input to NSMS to complete the receiving process. Once the JIT item is received and released to the customer the on hand quantity becomes zero but the shelf life data is kept in the data base. Once the on hand quantity is zero, all the shelf life data should be cleared or purged from the system automatically.

**ACTION** - NSMS should be programmed to skip the input of shelf life data on JIT items automatically.

### **6. ENHANCEMENT - (Catalog History) 1620# - 978**

Currently the Catalog History file does not retain the generic name of the NSN being deleted. With the new requirement from NASA headquarters to generate a fiscal year core report on all items that have been excessed. The report will need this data. As requested by Dan McGrath.

**ACTION** – Retain the generic technical name when a Catalog delete (DLTE) transaction is created, which could also be viewable in the review option by selecting a single item in the Catalog History file.

### **7. ENHANCEMENT - (Monthly Excess to Disposal Report) 1620# - 979**

Per Dan McGrath's request, a new core report is needed by NASA Headquarters to report excess transactions for a fiscal year to be processed by each NASA center.

**ACTION** – Create a report that would select all transfer excess to disposal (ACXS) and inventory adjustment (ADJA) with reason code of 11 (excess transfers due to PDO) transactions within a date parameter. The report would need to break at each 1200 account and give 1200 totals of line items and value. The report shall list each record and display: DNSO, Document Number, Quantity, Unit Price, Extended Value. The report needs to calculate line items and total value being reported.

#### **8. ENHANCEMENT - (Add, Change, and Delete Catalog Detail) 1620# - 983**

The order of the Reference Number Category Codes (RNCC) field and the Reference Number Variation Codes (RNVC) field needs to be switched in the main screen (Add, Change, And Delete Catalog Detail). The second screen (when multiple part numbers exist) is in the correct order.

**ACTION** – Swap the order of the RNCC and the RNVC fields on the detail screen.

#### **9. PROBLEM – (Catalog Consolidation) 1620# - 984**

A fatal error (3113) at line 1965 of NSPTCONC is occurring when attempting to consolidate program stock serial traceable items. The losing asset does not have quantity and the gaining asset does have quantity.

**ACTION** – Correct the process to consolidate the program stock traceable assets when the losing asset does not have quantity.

#### **10. PROBLEM - (Add, Change or Delete Asset) 1620# - 985**

Asset Maintenance does not fill the org./project when moving quantity from one trace record to another.

**ACTION** - When moving quantity from one program stock traceable record to another program stock traceable record, the org/project is not being updated on the new trace record.

## 2.2 FUNCTIONAL INTERFACES

The release has no functional impact on interfaces with other NASA legacy Agencywide Administrative Systems or configuration items.

## 2.3 CRITICAL ISSUES

THIS RELEASE SHOULD NOT BE INSTALLED IN PRODUCTION IF THERE ARE INVENTORY COUNTS ALREADY IN PROGRESS.

## 2.4 AFFECTED DOCUMENTS

The only document affected by this release is the NSMS-UOG-10, NSMS User and Operations Guide (UOG) dated December 1999.

## 2.5 APPLICATION SYSTEM ADMINISTRATION

### Enhancement 440, 886

1. A conversion program (NSPUASRE) is provided that will update all program stock assets as reorder exempt (Y). Execute this program in a batch mode. Then the user must change each program stock asset individually if that asset should be re-ordered via the Reorder Process.

### Enhancement 958

1. Using the File-Aid(F) application from the ISPF Main Menu, select the Utilities sub-menu (primary option 3) Dataset extended utility (sub-option 2) and specify 'Define Generation Data Group' (option G) to pre-allocate and catalog the following Generation Data Groups (GDGs):  
'MSIRM.NSMSDD.NSPUICAJ.RPT2.ADJLT500'  
'MSIRM.NSMSDD.NSPUICAJ.RPT3.ADJGT499'  
'MSIRM.NSMSDD.NSPRICPC.RPT3.ANALYSIS'

Dataset generation limit: X, where X is the number of generations to keep

Uncatalog Option: uncatalog oldest when limit reached (NOEMPTY)

Scratch Option: scratch dataset when uncataloged

2. Add the Output Type GDG to the Output Type/Option Table (OUTPUT) in the NS domain with:

Action: A

Output Type: GDG

Output Option: FINAL ADJ REPT-GT 499

```
//CMPRT99 DD.....  
    DSN=MSIRM.NSMSDD.NSPUICAJ.RPT3.ADJGT499(+1)  
    DISP=(NEW,CATLG,DELETE)  
    DCB=(RECFM=FBA,LRECL=133,BLKSIZE=23674)  
    SPACE=(TRK,(1,15),RLSE)
```

3. In the Output Type/Option Table (OUTPUT), enter the selection number for GDG and press <enter> to add the Output Option Final Adj Rept-Lt 500 to the Output Type GDG in the NS Domain with:

```
Action:          A  
Output Type:     GDG  
Output Option:   FINAL ADJ REPT-LT 500
```

```
//CMPRT99 DD.....  
    DSN=MSIRM.NSMSDD.NSPUICAJ.RPT2.ADJLT500(+1)  
    DISP=(NEW,CATLG,DELETE)  
    DCB=(RECFM=FBA,LRECL=133,BLKSIZE=23674)  
    SPACE=(TRK,(1,15),RLSE)
```

4. In the Output Type/Option Table (OUTPUT), enter the selection number for GDG and press <enter> to add the Output Option Inv Ctrl Rept-Analysis to the Output Type GDG in the NS Domain with:

```
Action:          A  
Output Type:     GDG  
Output Option:   INV CTRL REPT-ANALYSIS
```

```
//CMPRT99 DD.....  
    DSN=MSIRM.NSMSDD.NSPRICPC.RPT3.ANALYSIS(+1)  
    DISP=(NEW,CATLG,DELETE)  
    DCB=(RECFM=FBA,LRECL=133,BLKSIZE=23674)  
    SPACE=(TRK,(1,15),RLSE)
```

5. Add the to the Online Tasks Maintenance (TASKS) in the NS domain with:

```
FUNCTION:        A  
TASK TYPE:       P  
Task ID:         NSPTPTAJ  
Press <enter>
```

```
Enter: Command name:  REPRTADJ  
Type:                REPORTS  
Title:               Final Inv. Adjustment Reprint  
Secured:             N  
Function:            blank  
Comment:             N
```

6. Add the to the Online Tasks Maintenance (TASKS) in the NS domain with:

FUNCTION: A  
TASK TYPE: P  
Task ID: NSPTPTIC  
Press <enter>

Enter: Command name: REPR TIC  
Type: REPORTS  
Title: Inventory Control Reprint  
Secured: N  
Function: blank  
Comment: N

7. Add the appropriate security (SECURITY) to the users for the appropriate task(s). Remember to refresh the settings for the current session using the INIT command.

8. Add the Final Inv. Adjustment Reprint Report to the Batch Task Maintenance (BATCHTSK) in the NS domain with:

Action: A  
Task ID: NSPTPTAJ  
Task name: Final Inv. Adjustmt Reprint  
Parameter Input Module: blank  
Number of work files: blank  
Report ID: blank  
Name: blank  
File No: blank

9. Add the Inventory Control Reprint Report to the Batch Task Maintenance (BATCHTSK) in the NS domain with:

Action: A  
Task ID: NSPTPTIC  
Task name: Inventory Control Reprint  
Parameter Input Module: blank  
Number of work files: blank  
Report ID: blank  
Name: blank  
File No: blank

10. Add the Dummy Adjustment-Inventory Counts Report to the Batch Job Maintenance (BATCHJOB) in the NS domain with:

Job ID: ADJSTRPD  
Job Name: Dummy Adjustment-Inv. Counts

Type of scheduling: U (User Initiated)  
Type of submission: I (Immediate)  
Task ID: NSPUICAJ

Add the following report data:

Report ID: NSRB1DML  
Report Name: ADJUSTMENT MESS  
File No: 1  
Copies: X, where X is the number of copies determined to be most convenient for testing, (e.g., 1)  
Output Type: X, where X is not GDG, but otherwise is the output type determined to be most convenient for testing, (e.g., HOLD)  
Output Option: X, where X is whatever available output option is most convenient for testing

Report ID: NSRB2DLT  
Report Name: ADJUSTMENT REPO  
File No: 2  
Copies: X, where X is the number of copies determined to be most convenient for testing, (e.g., 1)  
Output Type: X, where X is not GDG, but otherwise is the output type determined to be most convenient for testing, (e.g., HOLD)  
Output Option: X, where X is whatever available output option is most convenient for testing

Report ID: NSRB3DGT  
Report Name: ADJUSTMENT REPO  
File No: 3  
Copies: X, where X is the number of copies determined to be most convenient for testing, (e.g., 1)  
Output Type: X, where X is not GDG, but otherwise is the output type determined to be most convenient for testing, (e.g., HOLD)  
Output Option: X, where X is whatever available output option is most convenient for testing

Report ID: NSRB4HAN  
Report Name: WAREHOUSE ANALY  
File No: 4  
Copies: X, where X is the number of copies determined to be most convenient for testing, (e.g., 1)  
Output Type: X, where X is not GDG, but otherwise is the

Output Option: output type determined to be most convenient for testing, (e.g., HOLD)  
X, where X is whatever available output option is most convenient for testing

Add the following parameter data names:

#Run-ID  
#Adjust-Parameter  
#Run-Status

11. Add the Final Inv. Adjustment Reprint Report to the Batch Job Maintenance (BATCHJOB) in the NS domain with:

Job ID: REPRTADJ  
Job Name: Reprint Final Inv. Adj. Repts  
Type of scheduling: U (User Initiated)  
Type of submission: I (Immediate)  
Task ID: NSPTPTAJ

Add the following Exec JCL:

Note: in the JCL below, XXXXX represents the output destination which is most convenient for testing and which generates hardcopy output available to test personnel.

```
//PRINT1 EXEC PGM=IEBGENER  
//SYSPRINT DD SYSOUT=*  
//SYSUT1 DD DSN=MSIRM.NSMSDD.NSPUICAJ.RPT2.ADJLT500(0),  
// DISP=(OLD,KEEP)  
//SYSUT2 DD SYSOUT=(7,PSB0K1C),DEST=XXXXX  
//SYSIN DD DUMMY  
//*  
//PRINT2 EXEC PGM=IEBGENER  
//SYSPRINT DD SYSOUT=*  
//SYSUT1 DD DSN=MSIRM.NSMSDD.NSPUICAJ.RPT3.ADJGT499(0),  
// DISP=(OLD,KEEP)  
//SYSUT2 DD SYSOUT=(7,PSB0K1C),DEST=XXXXX  
//SYSIN DD DUMMY
```

12. Add the Reprint Inventory Control Report to the Batch Job Maintenance (BATCHJOB) in the NS domain with:

Job ID: REPRTIC  
Job Name: Inventory Control Re-Print  
Type of scheduling: U (User Initiated)  
Type of submission: I (Immediate)  
Task ID: NSPTPTIC

Add the following Exec JCL:

Note: in the JCL below, XXXXX represents the output destination which is most convenient for testing and which generates hardcopy output available to test personnel.

```
//PRINT1 EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=MSIRM.NSMSDD.NSPRICPC.RPT3.ANALYSIS(0),
// DISP=SHR
//SYSUT2 DD SYSOUT=(7,PSB0K1C),DEST=XXXXX
//SYSIN DD DUMMY
```

13. Modify the Adjustment Inventory Counts (Job Id: ADJSTRPT) in the Batch Job Maintenance (BATCHJOB) function in the NS domain with:

Action: C

Modify the default Output Type and Output Option for the NSRB2DLT and NSRB3DGT reports as follows:

Report Id: NSRB2DLT  
Report Name: ADJUSTMENT REPO 2  
Output Type: GDG  
Output Option: FINAL ADJ REPT-LT 500

Report Id: NSRB3DGT  
Report Name: ADJUSTMENT REPO 3  
Output Type: GDG  
Output Option: FINAL ADJ REPT-GT 499

Add the following Work File JCL:

Note: in the JCL below, XXXXX represents the output destination which is most convenient for testing and which generates hardcopy output available to test personnel.

```
//PRINT1 EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=MSIRM.NSMSDD.NSPUICAJ.RPT2.ADJLT500(+1),
// DISP=SHR
//SYSUT2 DD SYSOUT=(7,PSB0K1C),DEST=XXXXX
//SYSIN DD DUMMY
//*
//PRINT2 EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD DSN=MSIRM.NSMSDD.NSPUICAJ.RPT3.ADJGT499(+1),
// DISP=SHR
//SYSUT2 DD SYSOUT=(7,PSB0K1C),DEST=XXXXX
//SYSIN DD DUMMY
```

14. Modify the Print Inventory Control Rpt (Job Id: ICNTRLRPT) in the Batch Job Maintenance (BATCHJOB) function in the NS domain with:

Action: C

Modify the default Output Type and Output Option for the NSRBRSLT report as follows:

Report Id: NSRBRSLT  
Report Name: INV CONTROL REP 3  
Output Type: GDG  
Output Option: INV CTRL REPT-ANALYSIS

Add the following Work File JCL:

Note: in the JCL below, XXXXX represents the output destination which is most convenient for testing and which generates hardcopy output available to test personnel.

```
//PRINT01 EXEC PGM=IEBGENER  
//SYSPRINT DD SYSOUT=*  
//SYSUT1 DD DSN=MSIRM.NSMSDD.NSPRICPC.RPT3.ANALYSIS(+1),  
// DISP=SHR  
//SYSUT2 DD SYSOUT=(7,PSB0K1C),DEST=XXXXX  
//SYSIN DD DUMMY
```

### Enhancement 968

1. Add the to the Online Tasks Maintenance (TASKS) in the NS domain with:

TASK TYPE: P  
Task ID: NSPTASLD  
Press <enter>  
Enter: Command name: SHLFDELE  
Type: REPORTS  
Title: SHELF LIFE DELETION REPORT  
Secured: N  
Function: blank  
Comment: N

2. Add the appropriate security (SECURITY) to the users for the appropriate task(s). Remember to refresh the settings for the current session using the INIT command.

3. Add the Shelf Life Deletion Report to the Batch Task Maintenance (BATCHTSK) in the NS domain with:

Task ID: NSPUASLD  
Task name: Shelf Life Deletion Report  
Parameter Input Module:  
Number of work files: 1  
Report ID: NSRBASLD  
Name: Shelf Life Deletion Report

- File No: 1
4. Add the Shelf Life Report to the Batch Job Maintenance (BATCHJOB) in the NS domain with:  
Job ID: SHLFDELE  
Job Name: Shelf Life Deletion Report  
Type of scheduling: U (User Initiated)  
Type of submission: I (Immediate)  
Task ID: NSPUASLD

**Enhancement 979**

1. Add the to the Online Tasks Maintenance (TASKS) in the NS domain with:  
TASK TYPE: P  
Task ID: NSPTTEXS  
Press <enter>  
Enter: Command name: EXCESSRP  
Type: REPORTS  
Title: EXCESS REPORT BY ACCOUNT  
Secured: N  
Function: blank  
Comment: N
2. Add the appropriate security (SECURITY) to the users for the appropriate task(s). Remember to refresh the settings for the current session using the INIT command.
3. Add the Excess Report by Account to the Batch Task Maintenance (BATCHTSK) in the NS domain with:  
Task ID: NSPRTEXS  
Task name: Excess Report by Account  
Parameter Input Module: NSSFTEXS  
Number of work files: blank  
Report ID: NSRBTEXS  
Name: Excess Report by Account  
File No: 1
4. Add the Excess Report by Account to the Batch Job Maintenance (BATCHJOB) in the NS domain with:  
Job ID: EXCESSRP  
Job Name: Excess Report by Account  
Type of scheduling: U (User Initiated)  
Type of submission: I (Immediate)  
Task ID: NSPRTEXS

### **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 no 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 6.6.0 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
GDG	Generation Data Group
JCL	Job Control Language
JIT	Just In Time
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NASA	National Aeronautics and Space Administration
NOSC	NASA On Line Supply Catalog
NSMS	NASA Supply Management System
NSN	National Stock Number
RC	Requirements Change
RNCC	Reference Number Category Codes
RNVC	Reference Number Variation Codes
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 -- (Reorder Process) 1620# - 440, 886

The reorder process only allows stock status 1 and 3 to go through the reorder process for order notice review. Currently, NSMS does not offer the capability to replenish program stock. With the implementation of MSFC's Flight Hardware program this capability is essential.

**ACTION** - Include an option to select stock status 2 to process through reorder and show on the Order Notice Review screen. An asset should only be included if the reorder point quantity is greater than zero.

Enhance NSMS to offer the functionality of replenishing program stock.

**Special Notes:** In order for an asset to be selected for reorder, the asset must have an on-hand quantity below the calculated reorder point quantity, an estimated average monthly demand, plt days and be over a month old.

#### Validation

- Using the Supply Source Table Maintenance (SORCETBL), find a supply source with a Supply Source Type of "C" and a Supply Source Type of "F".
- Using the Vendor Id Table Maintenance (VENDTBL) process, locate a vendor id.
- Using the Add, Change or Delete Catalog Detail (CATADCHG) process, add a catalog record containing the commercial supply source and vendor id located in the previous steps. Add a catalog record containing the federal supply source and vendor id located in the previous steps.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add a program stock asset for the catalog record with the commercial supply source. See Special Notes above.
- At the next prompt, edit the ad-hoc (NSMSASET). Change the DNSO (line 70) to the values added in the previous step. Run the ad-hoc. This ad-hoc will back date the asset.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add a program stock asset for the catalog record with the federal supply source. See Special Notes above.
- At the next prompt, edit the ad-hoc (NSMSASET). Change the DNSO (line 70) to the values added in the previous step. Run the ad-hoc. This ad-hoc will back date the asset.
- Using the Manual Due Out (MANUALDO) process, create a due out for each asset. Enter a quantity less than the re-order point quantity.

- Using the Reorder (REORDER) process, execute the batch job.
- Using the Order Notice Review (ORDNOTRV) process, enter a 'C' (for commercial) in the selection field and mark the asset record for re-order. Process to completion.
- Using the Order Notice Review (ORDNOTRV) process, enter a 'F' (for federal) in the selection field and mark the asset record for re-order. Process to completion.
- Using the Reorder (REORDER) process, execute the batch job.
- Using the Monitor transaction process (MONTRANS), verify the due in batch commercial (DIBC) transaction and the due in batch federal (DIBF) transaction for the assets.
- Using the Fed/Mil Requisitions and Returns (FEDREQUS) process, execute the batch job.
- Using the Monitor transaction process (MONTRANS), verify the due in batch federal (DIBF) transaction for the asset. Verify the AOA status card was generated.
- Using the input data set for the batch job Status Update (FDSTATUP), create an 'AE1' status card for the asset of the due in. The NSN should be equal to the NSN of the due in (card column 8 - 20), enter a quantity less than the due-in quantity (card column 25 - 29), Fed Document Number (card column 36 - 43), Advice Stat to 'BQ' (card column 65 - 66) from the DIDF transaction.
- Using the Fed/mil status update (FDSTATUP) process, submit the batch job.
- Using the Monitor transaction process (MONTRANS), verify the due in batch federal (DIBF) transaction for the asset. Verify the AE1 status card was generated.

## **2. ENHANCEMENT - (Inventory Counts) 1620# - 958**

After each final inventory adjustment, a report is generated listing all items requiring adjustments which requires signature authority (as shown in the bottom of each report as signature and date lines). This is the only time this type report is printed. In some cases, when this report is routed for signature approval, the listing seems to disappear. It will be very helpful to be able to reprint the adjustment report. Need to re-print last page of Control Report.

**ACTION** – Incorporate the ability to reprint above reports in NSMS. Suggest that it is menu driven report.

### **VALIDATION**

- Using the Add Change or Delete Catalog (CATADCHG) process, add a catalog record.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add a store stock and a program stock asset for the catalog record created above. Make

sure you add a bin id to the assets. Add multiple organizations/projects to the program stock asset.

- Using the Inventory Adjustment (INVADJST) process, add quantity to the assets. Make note of the quantities added and the organization/projects (if applicable) to which the quantities were added. Process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, build an inventory control record. Enter option 1, a unique Run-Id, and 'FSA' as the Inventory Type. Enter the values for all the assets created above. Process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Build the Inventory lot (option 3) for the above Run Id. Process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Produce the Warehouse Data Collection Report (option 4) for the above Run Id. Process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, execute the Process Warehouse Counts (option 5) for the above Run Id. Enter quantity for each of the assets appearing on the main count screen. Be sure to enter quantities which differ from the quantities added in the Inventory Adjustment (INVADJST) step, above. Process to completion.
- Using the Inventory Counts Main Menu (INVCTSMM) process, execute the Perform Dummy Adjustment (option 6) for the above Run Id. Process to completion.
- Using the Inventory Counts Main Menu (INVCTSMM) process, execute the Perform Final Adjustment (option 7) for the above Run Id. Process to completion.
- Using the Inventory Counts Main Menu (INVCTSMM) process, execute the Reprint Last Final Adjustment Signature Repts (option 11). Process to completion. Verify that the two signature sheets ("Greater than \$499.99" and "Less Than \$500.00") are identical to the corresponding sheets from the original reports produced by the Final Adjustment.
- Using the Scan Inventory Counts (SCANINV) process, select a Run-Id whose run status is 1, 2, 3, or F.
- Using the Inventory Counts Main Menu (INVCTSMM) process, execute the Produce Inventory Control Report (option 8) for the above Run Id. Process to completion.
- Using the Inventory Counts Main Menu (INVCTSMM) process, execute the Reprint Last Inventory Control Analysis (option 12). Process to completion. Verify that the Core Inventory Control Report—Report Results sheet is identical to the corresponding sheet from the report produced by the Produce Inventory Control Report.

### **3. PROBLEM - (Asset Scan) 1620# - 967**

A Natural error (1009 occurring at line 670) is being returned when no data (all records have been discontinued) is retrieved to display in the asset scan process. The error will also occur when searching by an NSN greater than the last NSN for the domain.

**ACTION** – Correct the process to return the appropriate message.

**Special Note: If the last NSN on the Asset file is all nines for the domain you are processing, you may use a different domain.**

#### **VALIDATION**

- Using the Scan Asset (SCANASET) process, determine the last National Stock Number (NSN). Enter an NSN greater than the last NSN found in the Search for NSN field and press <enter>. The message “013 should be returned.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add an asset record greater than the last NSN on file. Process to completion.
- Using the Inventory Adjustment (INVADJST) process, increase the asset’s quantity. Process to completion.
- Using the Inventory Adjustment (INVADJST) process, decrease the asset’s quantity to zero. Process to completion.
- Using the Add, Change or Delete Asset (ADCHGAST) process, discontinue the asset. Process to completion.
- Using the Scan Asset (SCANASET) process, enter the NSN discontinued in the Search for NSN field. The message “013 End of Data” should be returned.

#### **4. ENHANCEMENT - (Shelf Life Deletion Report) 1620# - 968**

Currently when an asset’s on-hand quantity is reduced to zero and the item has shelf life data, the shelf life data is retained.

**ACTION** – Create a batch process to delete the shelf life data for an asset with an on-hand quantity of zero.

#### **VALIDATION**

- Using the Add Change Delete Catalog Detail (CATADCHG) process, add a catalog record with a shelf life code of 1.
- Using the Add Change or Delete Asset (ADCHGAST) process, add an asset for the catalog record added in the previous step.
- Using the Shelf Life Maintenance (SHLFLIFE) process, add a shelf life record for the asset created in the previous step. Enter an expiration date of

2000/06/02, a date manufactured of 2000/05/03, a quantity of 5, and a date received of 2000/05/06. Process to completion.

- Using the Shelf Life Deletion Report (SHLFDELE) process, submit the report. Verify that the asset appears on the report.
- Using the Shelf Life Maintenance (SHLFLIFE) process, enter the asset record created above. Verify the shelf life data for the record entered was deleted from the shelf life file.

## **5. ENHANCEMENT - (Receive Due In/Not Due In) 1620# - 969**

It is required to input shelf life data to all Just-In-Time (JIT) items requiring it even though the material is considered a direct turnover item. NSMS is used as a vehicle to do the JIT processing. During the receipt process it is required that the shelf life data is input to NSMS to complete the receiving process. Once the JIT item is received and released to the customer the on hand quantity becomes zero but the shelf life data is kept in the data base. Once the on hand quantity is zero, all the shelf life data should be cleared or purged from the system automatically.

**ACTION** – NSMS should be programmed to skip the input of shelf life data on JIT items automatically.

### **VALIDATION**

- Using the Add, Change, or Delete Catalog Detail (CATADCHG) process, add a catalog record with a valid shelf life code (value other than 'O', '\*' or blank). Process to completion.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add an asset record for the catalog record created in the previous step. Enter a 'J' as the supply type code. Process to completion.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add an asset record for the catalog record created in the previous step. Enter an 'E' as the supply type code. Process to completion.
- Using the Receive Due-in Not-Due-in (DINOTDI) process, receive quantity against both of the assets. Note that the Shelf Life screen does not appear for entry of data.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add an asset record for the catalog record created in the previous step. Do not enter a value in the supply type code. Process to completion.
- Using the Receive Due-in Not-Due-in (DINOTDI) process, receive quantity against both of the assets. Note that the Shelf Life screen appears for entry of data.

## **6. ENHANCEMENT - (Catalog History) 1620# - 978**

Currently the Catalog History file does not retain the generic name of the NSN being deleted. With the new requirement from NASA headquarters to generate a fiscal year core report on all items that have been excessed. The report will need this data. As requested by Dan McGrath.

**ACTION** – Retain the generic technical name when a Catalog delete (DLTE) transaction is created, which could also be viewable in the review option by selecting a single item in the Catalog History file.

### **VALIDATION**

- Using the Maintain Index Number (INDXNUMB) process, add two (2) Catalog Index records. Enter a generic name of 'TEST 978A' for the first and 'TEST 978B' for the second. Process to completion.
- Using the Add Change or Delete Catalog Detail (CATADCHG) process, add two (2) Catalog records, one for each of the index numbers created in the previous step. Each must have a DLSC code of '\*', 'A' or 'N'.
- Using the Add Change or Delete Catalog Detail (CATADCHG) process, delete the Catalog Records created in the previous step.
- Using the Maintain Index Number (INDXNUMB) process, delete one of the Catalog Index Records created in the first step.
- Using Catalog History (CATHIST) process, verify that a delete (DLTE) transaction was created for each of the deleted Catalog records. View the detail for the transaction to verify the generic name matches the generic name entered in the first step.
- Using the Maintain Index Number (INDXNUMB) process, add a Catalog Index record. Enter a generic name of 'TEST 978D' for the catalog record.
- Using the Add Change or Delete Catalog Detail (CATADCHG) process, add a Catalog record with a DLSC status of '\*'.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add an asset record.
- Using the Inventory Adjustment (INVADJST) process, increase the asset's quantity.
- Using the Inventory Adjustment (INVADJST) process, decrease the asset's quantity to zero.
- Using the Add, Change or Delete Asset (ADCHGAST) process, delete the asset record.
- Using the Add Change or Delete Catalog Detail (CATADCHG) process, delete the Catalog Record.
- Using the Delete Discontinued Catalog Record (DELDISCA) process, enter a cutoff date at least one day past the date the records were discontinued and submit the batch job.

- Using Catalog History (CATHIST) process, verify that a delete (DLTE) transaction was created for the deleted Catalog record. View the detail of the transaction to verify the generic name matches the generic name entered in the first step.

## **7. ENHANCEMENT - (Monthly Excess to Disposal Report) 1620# - 979**

Per Dan McGrath's request, a new core report is needed by NASA Headquarters to report excessed transactions for a fiscal year to be processed by each NASA center.

**ACTION** – Create a report that would select all transfer excess to disposal (ACXS) and inventory adjustment (ADJA) with reason code of 11 (excess transfers due to PDO) transactions within a date parameter. The report would need to break at each 1200 account and give 1200 totals of line items and value. The report shall list each record and display: DNSO, Document Number, Quantity, Unit Price, Extended Value. The report needs to calculate line items and total value being reported.

### **VALIDATION**

- Using the Maintain Index Number (INDXNUMB) process, add a Catalog Index. Enter a generic name of "EXCESS REPORT E". This index number will be referred to as "Index1". Process to completion.
- Using the Maintain Index Number (INDXNUMB) process, add a Catalog Index. Enter a generic name of "EXCESS REPORT F". This index number will be referred to as "Index2". Process to completion.
- Using the Add Change or Delete Catalog Detail (CATADCHG) process, add a Catalog record using "Index1" with a DLSC code of '\*', 'A' or 'N'. This will be referred to as "NSN1". Add another catalog record using "Index2" with a DLSC code of '\*', 'A' or 'N'. This will be r
- Using the Add, Change or Delete Asset (ADCHGAST) process, add a store stock, program stock and standby stock asset record using "NSN1". Add a store stock, program stock and standby stock asset record using "NSN2".
- Using the Inventory Adjustment (INVADJST) process, increase each of the assets (store, program and standby) quantity by 10 using a reason code of 1 (physical inventory discrepancies (annual, special/random results)).
- Using the Create Suspended Excess Transaction (DISPAST) process, add an Excess Transaction (AXSS) for the asset known as "NSN1". Excess a quantity of 1. Process to completion. Note the document number of the transaction.
- Submit the Create NPDMS interface (NPDMSINT) job. Verify the asset chosen for the excess transaction is on the report.

- Using ad hoc, NSNPDMS2, enter the Document Number of the Suspended Excess transaction (AXSS) to change the record type to two (2).
- Using ad hoc, NSNPDMS4, enter the Document Number of the Suspended Excess transaction (AXSS) to change the record type to four (4). Process to completion.
- Using the Create Excess Disposal Transaction (NPDMSUPD), submit the batch job to create the Excess Disposal transaction(s) (AXCS). The specific record you submitted should have created an AXCS transaction.
- Using the Inventory Adjustment (INVADJST) process, decrease each of the assets (store, program and standby) quantity by 10 using a reason code of 11 (excess transfers due to PDO) for “NSN2”. Decrease each of the assets (store, program and standby) quantity by 9 using a reason code of 11 (excess transfers due to PDO) for “NSN1”.
- Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify that an adjustment (ADJA) transaction with a reason code of ‘11’ (excess transfers due to PDO) exist for each asset.
- Using the Add, Change or Delete Asset (ADCHGAST) process, delete the store, program and standby stock assets.
- Using the Delete Discontinued Asset Record (DELDISAS) process, delete the asset records created in the previous steps. Remember to enter the next day’s date in the ending date.
- Using the Add, Change or Delete Catalog Detail (CATADCHG) process, delete the Catalog record for “NSN1” and “NSN2”.
- Using the Maintain Index Number (INDXNUMB) process, delete the Catalog Index record known as “Index1”.
- Using the Excess Report by Account (EXCESSRP) process, enter a date range inclusive of the transactions created in the previous steps. Select stock status codes one, two and three. Submit the batch job. Verify the ‘ADJA’ transactions with a reason text of ‘excess transfers due to PDO’ and the transfer excess to disposal (AXCS) transactions created in the previous steps are on the report with the appropriate generic names.

#### **8. ENHANCEMENT - (Add, Change, and Delete Catalog Detail) 1620# - 983**

The order of the Reference Number Category Codes (RNCC) field and the Reference Number Variation Codes (RNVC) field needs to be switched in the main screen (Add, Change, And Delete Catalog Detail). The second screen (when multiple part numbers exist) is in the correct order.

**ACTION** - Swap the order of the RNCC and the RNVC fields on the detail screen.

## **VALIDATION**

- Using the Catalog Scan (CATSCAN) process, select a catalog record and make note of its National Stock Number (NSN).
- Using the Add, Change, and Delete Catalog Detail (CATADCHG) process, change the NSN chosen in the previous step. Verify that the relative screen position of the RNCC field occurs immediately to the left of the RNVC field. Enter different values in these fields. Process to completion.
- Using the Catalog Scan (CATSCAN) process, display the details for the NSN chosen in the first step. Verify that the RNCC and RNVC fields are displayed in that order, respectively, and contain the values entered in the previous step.

## **9. PROBLEM – (Catalog Consolidation) 1620# - 984**

A fatal error (3113) at line 1965 of NSPTCONC is occurring when attempting to consolidate program stock serial traceable items. The losing asset does not have quantity and the gaining asset does have quantity.

**ACTION** – Correct the process to consolidate the program stock traceable assets when the losing asset does not have quantity.

## **VALIDATION**

- Using the Add Change or Delete Catalog Detail (CATADCHG) process, add two serial traceable catalog records. These records will be known as Catalog1 and Catalog2. Process to completion.
- Using the Add Change or Delete Catalog Detail (CATADCHG) process, add two lot traceable catalog records. These records will be known as Catalog3 and Catalog4. Process to completion.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add a program stock asset for each of the four catalog records created in the previous steps. Use the same stock status code and stock ownership for each asset. The serial traceable assets will be known as Asset1 and Asset2 respectively. The lot batch traceable assets will be known as Asset3 and Asset4. Process to completion.
- Using the Inventory Adjustment (INVADJST) process, increase the quantity by ten for Asset2 and Asset4. Process to completion.
- Using the Consolidate Catalog Record (CONSLCAT) process, consolidate Catalog1 into Catalog2. Process to completion.
- Using the Consolidate Catalog Record (CONSLCAT) process, consolidate Catalog3 into Catalog4. Process to completion.
- Using the Monitor Transaction (MONTRANS) process, verify the consolidate assets (ACON) transactions were created.

- Using the Asset Scan (SCANASET) process, verify the asset's quantity on-hand, and the org/project quantities and trace quantities are correct.
- Using the Add Change or Delete Catalog Detail (CATADCHG) process, reactivate Catalog1 and Catalog3. Process to completion.
- Using the Add, Change or Delete Asset (ADCHGAST) process, activate Asset1 and Asset3. Process to completion.
- Using the Consolidate Asset (CONSLAST) process, consolidate Asset1 into Asset2. Process to completion.
- Using the Consolidate Asset (CONSLAST) process, consolidate Asset3 into Asset4. Process to completion.
- Using the Monitor Transaction (MONTRANS) process, verify the consolidate assets (ACON) transactions were created.
- Using the Asset Scan (SCANASET) process, verify the asset's quantity on-hand, and the org/project quantities and trace quantities are correct.
- Using the Add Change or Delete Catalog Detail (CATADCHG) process, reactivate Catalog1 and Catalog3. Process to completion.
- Using the Add, Change or Delete Asset (ADCHGAST) process, activate Asset1 and Asset3. Process to completion.
- Using the Inventory Adjustment (INVADJST) process, increase the quantity of Asset1 and Asset3 by ten. Process to completion.
- Using the Consolidate Catalog Record (CONSLCAT) process, consolidate Catalog1 into Catalog2. Process to completion.
- Using the Consolidate Catalog Record (CONSLCAT) process, consolidate Catalog3 into Catalog4. Process to completion.
- Using the Monitor Transaction (MONTRANS) process, verify the consolidate assets (ACON) transactions were created when quantity exist on both the losing and gaining assets.
- Using the Asset Scan (SCANASET) process, verify the asset's quantity on-hand, and the org/project quantities and trace quantities are correct.
- Using the Add Change or Delete Catalog Detail (CATADCHG) process, reactivate Catalog1 and Catalog3. Process to completion.
- Using the Add, Change or Delete Asset (ADCHGAST) process, activate Asset1 and Asset3. Process to completion.
- Using the Inventory Adjustment (INVADJST) process, increase the quantity of Asset1 and Asset3 by ten. Process to completion.
- Using the Consolidate Asset (CONSLAST) process, consolidate Asset1 into Asset2. Process to completion.
- Using the Consolidate Asset (CONSLAST) process, consolidate Asset3 into Asset4. Process to completion.
- Using the Monitor Transaction (MONTRANS) process, verify the consolidate assets (ACON) transactions were created when quantity exist on both the losing and gaining assets.

- Using the Asset Scan (SCANASET) process, verify the asset's quantity on-hand, and the org/project quantities and trace quantities are correct.
- Using the Add Change or Delete Catalog Detail (CATADCHG) process, reactivate Catalog1 and Catalog3. Process to completion.
- Using the Add, Change or Delete Asset (ADCHGAST) process, activate Asset1 and Asset3. Process to completion.
- Using the Receive Due-In Not-Due-In (DINOTDI) process, receive a quantity of 10 for Asset2 (serial traceable program stock). Enter the same trace key for 2 records with the same inspection report number but with different organizations/projects for each. Enter a 'Y' in the QS field in order to enter quality sensitive data. Enter at least a date manufactured and bin id. Process to completion.
- Using the Receive Due-In Not-Due-In (DINOTDI) process, receive a quantity of 10 for Asset4 (serial traceable program stock). Enter the same trace key for 2 records with the same inspection report number but with different organizations/projects for each. Enter a 'Y' in the QS field in order to enter quality sensitive data. Enter at least a date manufactured and bin id. Process to completion.
- Using the Monitor Transaction (MONTRANS) process, verify the receipt not due-in (RCND) transactions were created with the appropriate data.
- Using the Add, Change or Delete Asset (ADCHGAST) process, change Asset2 by moving quantity from one trace record to another. Press <enter> to receive the pop-up window listing the available options. Choose the option to update trace data. When the screen is displayed listing the existing trace keys and quantity, enter a quantity-to and the same trace key. A selection screen will be presented listing the IR Tag, Part Number, Cage Code , Bin Id and Org/Project. The record that is losing the quantity will be protected in order to prevent moving quantity to itself. Select the available record or enter a new inspection report number. Process to completion
- Using the Add, Change or Delete Asset (ADCHGAST) process, change Asset4 by moving quantity from one trace record to another. Press <enter> to receive the pop-up window listing the available options. Choose the option to update trace data. When the screen is displayed listing the existing trace keys and quantity, enter a quantity-to and the same trace key. Press <enter>. A selection screen will be presented listing the IR Tag, Part Number, Cage Code , Bin Id and Org/Project. The record that is losing the quantity will be protected in order to prevent moving quantity to itself. Quantity may only be moved within the same org/project if the asset is program stock. (The Organization/Project Transfer process should be used to transfer quantity to a different org/project.) Select the available record or enter a new inspection report number. Process to completion.
- Using the Asset Scan (SCANASET) process, verify the trace data (quantity, trace key, inspection report number and quality sensitive data) for each asset.

- Using the Receive Due-In Not-Due-In (DINOTDI) process, receive a quantity of 10 for Asset1 (serial traceable program stock). Receive part of the quantity against an existing trace key that is quality sensitive, enter a 'Y' in the QS field. Receive the rest of the quantity into a new trace key, entering a new inspection report number and a 'Y' in the QS field. Press <enter> until the quality sensitive screens are presented. The quality sensitive data for the existing trace record will be protected (no data can be entered). For this record, press <PF6>. A pop-up window will appear providing the options to cancel the entire process, or start the selection over. Respond to the pop-up window by pressing <enter>. The next series of quality sensitive screens will appear allowing entry of data for the new trace record being received into. Enter at least the date manufactured and bin id. Press <enter>. A pop-up window will appear reflecting no quality codes exist on the asset with options to process or cancel. Respond to this pop-up window by entering a 'P' to process. Process to completion.
- Using the Receive Due-In Not-Due-In (DINOTDI) process, receive a quantity of 10 for Asset3 (serial traceable store stock). Receive part of the quantity against an existing trace key that is quality sensitive, enter a 'Y' in the QS field. Receive the rest of the quantity into a new trace key, entering a new inspection report number and a 'Y' in the QS field. Press <enter> until the quality sensitive screens are presented. The quality sensitive data for the existing trace record will be protected (no data can be entered). For this record, press <PF6>. A pop-up window will appear providing the options to cancel the entire process, or start the selection over. Respond to the pop-up window by pressing <enter>. The next series of quality sensitive screens will appear allowing entry of data for the new trace record being received into. Enter at least the date manufactured and bin id. Press <enter>. A pop-up window will appear reflecting no quality codes exist on the asset with options to process or cancel. Respond to this pop-up window by entering a 'P' to process. Process to completion.
- Using the Asset Scan (SCANASET) process, verify the trace data (quantity, trace key, inspection report number and quality sensitive data) for Asset1 and Asset3.
- Using the Monitor Transaction (MONTRANS) process, verify the receipt (RCND) transactions contain the appropriate trace and quality sensitive data.
- Using the Create Issue Directive (ISSUEPRE) process, issue all quantity but one for Asset1. Process to completion.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add a program stock (stock status code of '2') asset for Catalog1. Assign a different stock ownership than Asset1. This asset will be known as Asset5.
- Using the Transfer Asset (TRANSAST) process, transfer a quantity of one from Asset1 to Asset5. Process to completion.

- Using the Asset Scan (SCANASET) process, verify the trace data (quantity, trace key, inspection report number and quality sensitive data) for Asset1 and Asset5.

#### **10. PROBLEM - (Add, Change or Delete Asset) 1620# - 985**

Asset Maintenance does not fill the org./project when moving quantity from one trace record to another.

**ACTION** - When moving quantity from one program stock traceable record to another program stock traceable record, the org/project is not being updated on the new trace record.

#### **VALIDATION**

- Using the Add Change or Delete Catalog Detail (CATADCHG) process, add two traceable catalog records. Add one as serial traceable and the other as lot batch traceable. The serial traceable record will be known as Cat1 and lot batch traceable will be known as Cat2. Process to completion.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add a store stock (stock status code of '1') and a program stock (stock status code of '2') asset for Cat1. The store stock asset will be known as Asset1. The program stock asset will be known as Asset2.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add a store stock (stock status code of '1') and a program stock (stock status code of '2') asset for Cat2. The store stock asset will be known as Asset3. The program stock asset will be known as Asset4.
- Using the Receive Due-In Not-Due-In (DINOTDI) process, receive a quantity of 10 for Asset1 (serial traceable store stock). Enter the same trace key for 2 records with a different inspection report number for each. Enter a 'Y' in the QS field in order to enter quality sensitive data. Enter at least a date manufactured and bin id. Process to completion. Repeat this step for the lot batch traceable store stock asset (Asset3).
- Using the Receive Due-In Not-Due-In (DINOTDI) process, receive a quantity of 10 for Asset2 (serial traceable program stock). Enter the same trace key for 2 records with the same inspection report number but with different organizations/projects for each. Enter a 'Y' in the QS field in order to enter quality sensitive data. Enter at least a date manufactured and bin id. Process to completion. Repeat this step for the lot batch traceable program stock asset (Asset4).
- Using the Monitor Transaction (MONTRANS) process, verify the receipt not due-in (RCND) transactions were created with the appropriate data.
- Using the Add, Change or Delete Asset (ADCHGAST) process, change Asset1 by moving quantity from one trace record to another. Press <enter>

field. Receive the rest of the quantity into a new trace key, entering a new inspection report number and a 'Y' in the QS field. Press <enter> until the quality sensitive screens are presented. The quality sensitive data for the existing trace record will be protected (no data can be entered). For this record, press <PF6>. A pop-up window will appear providing the options to cancel the entire process, or start the selection over. Respond to the pop-up window by pressing <enter>. The next series of quality sensitive screens will appear allowing entry of data for the new trace record being received into. Enter at least the date manufactured and bin id. Press <enter>. A pop-up window will appear reflecting no quality codes exist on the asset with options to process or cancel. Respond to this pop-up window by entering a 'P' to process. Process to completion. Repeat this step for the lot traceable store stock asset (Asset3).

- Using the Asset Scan (SCANASET) process, verify the trace data (quantity, trace key, inspection report number and quality sensitive data) for Asset1 and Asset3.

- Using the Monitor Transaction (MONTRANS) process, verify the receipt (RCND) transactions contain the appropriate trace and quality sensitive data.
- Using the Create Issue Directive (ISSUEPRE) process, issue all but one of the quantity for Asset1.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add a store stock (stock status code of '1') asset for Cat1. The store stock asset will be known as Asset5. Assign the asset a different stock ownership than Asset1.
- Using the Transfer Asset (TRANSAST) process, transfer a quantity of one from Asset1 to Asset5. Process to completion.
- Using the Asset Scan (SCANASET) process, verify the trace data (quantity, trace key, inspection report number and quality sensitive data) for Asset1 and Asset5.
- Using the Add Change or Delete Catalog Detail (CATADCHG) process, add a serial traceable catalog record. The serial traceable record will be known as Cat3. Process to completion.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add a store stock (stock status code of '1') asset for Cat3. The store stock asset will be known as Asset6. Assign the same ownership as Asset5.
- Using the Consolidate Catalog Record (CONSLCAT) process, to consolidate Cat1 into Cat3. Process to completion. Remember in order to consolidate records, each losing asset must also exist as a gaining asset. (i.e., the same stock status codes and stock ownerships must exist for the gaining asset with the NSN being different.)
- Using the Asset Scan (SCANASET) process, verify the trace data (quantity, trace key, inspection report number and quality sensitive data) for the assets.
- Using the Reverse Transaction (REVTRANS) process, reverse the consolidation. Process to completion.
- Using the Asset Scan (SCANASET) process, verify the trace data (quantity, trace key, inspection report number and quality sensitive data) for the assets.

## APPENDIX D

### INSTALLATION INSTRUCTIONS AND CHECKLIST

#### Introduction

Release information:

System Name: NSMS  
Release Number: 6.6.0  
Release Date: July 2000  
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: pam.leak@msfc.nasa.gov  
FAX: (256) 544-1836

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

- xxMOV.NSMS.R660.R0700.DOC
- xxMOV.NSMS.R660.R0700.PRD
- xxMOV.NSMS.R660.R0700.SRC

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

AR – ARC  
DF - DFRC  
GS - GSFC  
HQ - HQ  
J5 – JSC  
KS - KSC  
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 Back Up Existing Data
- 2.0 Copy Source/Object Code
- 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. Back Up Existing Data**

It is advisable to back up all NSMS files as a precautionary measure prior to installation.

### **2. Copy Source/Object Code**

## 2.1 Load Source Code

Load the NSMS source modifications from the dataset xxMOV.NSMS.R660.R0700.SRC. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library named NSMS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	14
MAPS	15
HELP ROUTINES	0
SUBROUTINES	14
SUBPROGRAMS	0
PROGRAMS	10
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
<b>Total:</b>	<b>53</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>
NSPUASRE	Update reorder exempt (Pgm. Stock)	PGM	440
NSMFASRE	Update reorder exempt (Pgm. Stock)	MAP	440
NSPUASLD	Shelf Life Deletion Report	PGM	968
NSDLASLD	Shelf Life Deletion Report	LDA	968
NSPTASLD	Shelf Life Deletion Report	PGM	968
NSMFASLD	Shelf Life Deletion Report	MAP	968
NSSFTEXTS	Input parameter for Disposal	PGM	979
NSPRTEXTS	Monthly Excess to Disposal	PGM	979
NSPTTEXTS	Monthly Excess to Disposal	PGM	979
NSDLTEX2	Monthly Excess to Disposal	LDA	979
NSDLTEXTS	Monthly Excess to Disposal	LDA	979
NSMPTEX2	Monthly Excess to Disposal	MAP	979
NSMFTEXTS	Monthly Excess to Disposal	MAP	979
NSMPTEXTS	Monthly Excess to Disposal	MAP	979
NSMHTEX2	Monthly Excess to Disposal	MAP	979
NSSRADJ2	Quality Sensitive Data	SUB	985

### Changed Modules

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
NSMPINIT	NSMS Initial Map	MAP	
NSSR330C	Nightly Batch Reorder	SUB	440
NSSR3120	Nightly Batch Reorder	SUB	886
NSSR3110	Nightly Batch Reorder	SUB	886
NSDL3110	Nightly Batch Reorder	LDA	886
NSMPICMM	Inventory Counts	MAP	958
NSPTICMM	Inventory Counts	PGM	958
NSPTSCAN	Asset Scan	PGM	967
NSPTRCPT	Receive Supply Items	PGM	969
NSMPSHF	Shelf Life Maintenance	MAP	969
NSPUDDCT	Delete discontinued catalog	PGM	978
NSDLDDCT	Delete discontinued catalog	LDA	978
NSSRCDEL	Delete catalog detail record	SUB	978
NSDLCDEL	Delete catalog detail record	LDA	978
NSSRCATS	Catalog search	SUB	978
NSDLCATS	Catalog search	LDA	978
NSDLCCHI	Catalog History Inquiry	LDA	978
NSMPCAH2	Catalog History Inquiry	MAP	978
NSMPCADC	Add Change Or Delete Catalog Detail	MAP	983
NSMPCIDD	Catalog Scan	MAP	983
NSSRBIN5	Program Stock - traceable	SUB	984
NSDLBIN5	Program Stock - traceable	LDA	984
NSMPBIN5	Program Stock - traceable	MAP	984

NSSRBIN6	Trace Reversal	SUB	985
NSDLBIN6	Trace Reversal	LDA	985
NSDLACD2	Traceable Asset Update	LDA	985
NSDLADJ7	Traceable Asset Update	LDA	985
NSMPADJ7	Quality Sensitive Data Selection	MAP	985
NSMPADJ8	Quality Sensitive Data Detail	MAP	985
NSSRACD2	Program Stock – traceable	SUB	985
NSSRINQU	Asset Scan	SUB	985
NSSRADJ5	Quality Sensitive Data	SUB	985
NSSRBIN2	Non-Program Stock – traceable	SUB	985
NSSRCONU	Traceable Asset-consolidate	SUB	985
NSSRCONT	Traceable Asset-consolidate	SUB	985
NSDLCONU	Traceable Asset-consolidate	LDA	985
NSDLCONT	Traceable Asset-consolidate	LDA	985

### 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 6.6.0. 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-6.6.0.

Use SYSDICBE to load the PREDICT modifications from the dataset xxMOV.NSMS.R660.R0700.PRD.

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

NS-CATALOG-HISTORY

#### 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	-	0
Conceptual Files	-	0
ADABAS Files and Views	-	2

#### 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.

Add the following fields:

NS-CATALOG-HISTORY-FILE	File # 175						
Ty L Field ID	F Length	Occ	D	U	DB	S	
*- - - - -	*- - - - -	- - - - -	*	*	- -	*	
1 GENERIC-NAME	A 25.0				AM	N	

Using the following commands:

```
ADADBS NEWFIELD FILE=175
ADADBS FNDEF='01,AM,25,A,NU'
```

#### 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 parameter.

#### 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 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 Back Up Existing Data
- 2.1 Load Source Code
- 4.0 Install Predict
- 5.0 Catalog Source Code