

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

Release 5.2.0

PrISMS Contract

December 1997



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 5.2.0

Approved by

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Sheila Fogle Consolidation Center Project Manager	Date
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Nikita Zurkin Program Functional Manager	Date
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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
GEORGE C. MARSHALL SPACE FLIGHT CENTER  
HUNTSVILLE, ALABAMA

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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 5.2.0.

The release has an effective date of December 31, 1997 and is scheduled for implementation by February 14, 1998. Support of the previous release expires on the implementation date of release 5.2.0.

### 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 5.2.0, including the following:

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

### 1.4 Contact Points

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

Pam Leak at telephone number (205)544-1388 or  
by e-mail Pam.Leak@msfc.nasa.gov

Steve Rowell at telephone number (205)544-1452 or  
by e-mail Steve.Rowell@msfc.nasa.gov

Mark Stevens at telephone number (205)544-1458 or  
by e-mail Mark.Stevens@msfc.nasa.gov

The fax number is (205)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) 908 and 909.

This release includes the necessary modules to incorporate the RC 868 approved by the Configuration Control Board (CCB). RC 868 allows for processing issue, procurement and reservation transactions by reading an external file.

#### 1. ENHANCEMENT - (Flight Hardware) 1620# - 868

Create a single parts list containing parts to be reserved, issued, and procured. Provide a flat file of information that can be used in a local engineering/design parts ordering system.

**ACTION** - Incorporate the necessary changes to process an external file containing a parts list and either process reservations, issues and procurements using the external file. Generate an Extract File with NSMS Inventory Parts data based on Domains provided.

#### 2. PROBLEM - (Warehouse Denial Asset Analysis) 1620# - 908

The Warehouse Denial Analysis process does not require comments to be entered upon approval.

**ACTION** - Correct process to require comments when approval is entered.

#### 3. PROBLEM - (Consolidation of Assets) 1620# - 909

The consolidation transaction does not reflect the price of the losing asset if the asset is traceable.

**ACTION** - Correct process to include price total on the consolidation transaction.

## 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

No critical issues are associated with this release.

## 2.4 AFFECTED DOCUMENTS

There are no documents affected by this release.

## 2.5 APPLICATION SYSTEM ADMINISTRATION

Enhancement 868:

Perform the following tasks only if your center will interface externally with a local engineering/design parts ordering system.

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

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

Enter: Command name: FLGHTFIL  
Type: EDI  
Title: CREATE FLIGHT SUPPLY CATALOG  
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 CREATE FLIGHT SUPPLY CATALOG to the Batch Task Maintenance (BATHTSK) in the NS domain with:

Task ID: NSPUEXTF  
Task name: CREATE FLIGHT SUPPLY CATALOG  
Parameter Input Module: NSSFEXTF  
Number of work files: 10

4. Add the CREATE FLIGHT SUPPLY CATALOG to the Batch Job Maintenance (BATCHJOB) in the NS domain with:

Job ID: FLGHTFIL  
Job Name: CREATE FLIGHT SUPPLY CATALOG  
Type of scheduling: U (User Initiated)  
Type of submission: I (Immediate)  
Task ID: NSPUEXTF

Add the work files:

```
//CMWKF01 DD DSN=MSIRM.NSMSDD.FLHRDWPT.GENTECH.NAME,DISP=SHR
//CMWKF02 DD DSN=MSIRM.NSMSDD.FLHRDWPT.HEADERS,DISP=SHR
//CMWKF03 DD DSN=MSIRM.NSMSDD.FLHRDWPT.DESC,DISP=SHR
//CMWKF04 DD DSN=MSIRM.NSMSDD.FLHRDWPT.NSN,DISP=SHR
//CMWKF05 DD DSN=MSIRM.NSMSDD.FLHRDWPT.PART.NUMBER,DISP=SHR
//CMWKF06 DD DSN=MSIRM.NSMSDD.FLHRDWPT.TECH.DESC,DISP=SHR
//CMWKF07 DD DSN=MSIRM.NSMSDD.FLHRDWPT.ASSET.INFO,DISP=SHR
//CMWKF08 DD DSN=MSIRM.NSMSDD.FLHRDWPT.MFG.ID,DISP=SHR
//CMWKF09 DD DSN=MSIRM.NSMSDD.FLHRDWPT.AKANAME,DISP=SHR
//CMWKF10 DD DSN=MSIRM.NSMSDD.FLHRDWPT.DNSO.TRACEABL,DISP=SHR
```

Pre-allocate and catalog the work files:

```
MSIRM.NSMSDD.FLHRDWPT.GENTECH.NAME
DCB=(RECFM=FB,LRECL=56,BLKSIZE=23464),SPACE=(TRK,(7,1),RLSE)
MSIRM.NSMSDD.FLHRDWPT.HEADERS
DCB=(RECFM=FB,LRECL=79,BLKSIZE=27966),SPACE=(TRK,(17,1),RLSE)
MSIRM.NSMSDD.FLHRDWPT.DESC
DCB=(RECFM=FB,LRECL=73,BLKSIZE=27959),SPACE=(TRK,(14,1),RLSE)
MSIRM.NSMSDD.FLHRDWPT.NSN
DCB=(RECFM=FB,LRECL=29,BLKSIZE=27985),SPACE=(CYL,(2,1),RLSE)
MSIRM.NSMSDD.FLHRDWPT.PART.NUMBER
DCB=(RECFM=FB,LRECL=92,BLKSIZE=23460),SPACE=(CYL,(9,1),RLSE)
MSIRM.NSMSDD.FLHRDWPT.TECH.DESC
DCB=(RECFM=FB,LRECL=86,BLKSIZE=27950),SPACE=(CYL,(6,1),RLSE)
MSIRM.NSMSDD.FLHRDWPT.ASSET.INFO
DCB=(RECFM=FB,LRECL=49,BLKSIZE=27979),SPACE=(TRK,(19,1),RLSE)
MSIRM.NSMSDD.FLHRDWPT.MFG.ID
DCB=(RECFM=FB,LRECL=55,BLKSIZE=27995),SPACE=(CYL,(5,1),RLSE)
MSIRM.NSMSDD.FLHRDWPT.AKANAME
DCB=(RECFM=FB,LRECL=100,BLKSIZE=23400),SPACE=(TRK,(2,1),RLSE)
MSIRM.NSMSDD.FLHRDWPT.DNSO.TRACEABL
DCB=(RECFM=FB,LRECL=137,BLKSIZE=23427),SPACE=(CYL,(19,1),RLSE)
```

### 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

There are no data dictionary changes for 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 5.2.0 for detailed software installation procedures.

### 3.5 OPERATIONAL PREPARATION

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

4. KNOWN AND OPEN PROBLEMS

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

## APPENDIX A

### LIST OF ACRONYMS

ADP	Automated Data Processing
CCB	Configuration Control Board
CCR	Change Control Request
DR	Discrepancy Report
JCL	Job Control Language
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
VDD	Version Description Document

## APPENDIX B

### GLOSSARY

This document has no terms to be defined.

## APPENDIX C

### FUNCTIONAL CHANGE VALIDATION PROCEDURES

#### 1. ENHANCEMENT - (Flight Hardware) 1620# - 868

Create a single parts list containing parts to be reserved, issued, and procured. Provide a flat file of information that can be used in a local engineering/design parts ordering system.

**ACTION** - Incorporate the necessary changes to process an external file containing a parts list and either process reservations, issues and procurements using the external file. Generate an Extract File with NSMS Inventory Parts data based on Domains provided.

Perform the following tasks only if your center will interface externally with a local engineering/design parts ordering system.

#### VALIDATION - ISSUES

- Using the Scan Asset (SCANASET) process, select either an active store stock, program stock, or standby stock asset with quantity on hand.
- Using the Catalog Scan (CATSCAN) process, note the part number and cage code for the asset selected.
- At the next prompt, edit the provided adhoc program (NSMS868C). Change line 450 to the asset chosen. Change lines 460 and 680 to the stock status code of the asset chosen. Change lines 470 and 690 to the stock ownership of the asset chosen. Change lines 480 and 700 for the Quantity to issue. Change line 660 to the part number of the catalog chosen. Change line 670 to the cage code that corresponds to the part number. Stow the adhoc program.
- Using the supplied Job Control Language (See Appendix E for the JCL) as an example, build a job stream and execute the batch job to create the issue (ISPR) transaction.
- Using the Monitor Transaction (MONTRANS), verify the create issue (ISPR) transaction was created. If no transaction was created, look at the output file created, look at the output file created from the batch job which contains the errors that occurred. Correct the data using the provided adhoc program, stow the adhoc program and rerun the batch job. Possible errors could be unit of issue (ea) does not match the asset unit of issue or the NSN does not match the part number supplied.

#### VALIDATION - RESERVATIONS (Program Stock)

- Using the Scan Asset (SCANASET) process, select an active program stock asset with quantity on hand.
- Using the Catalog Scan (CATSCAN) process, note the part number and cage code for the asset selected.
- At the next prompt, edit the provided adhoc program (NSMS868C). Change line 430 to 'R'. Change line 450 to the asset chosen. Change lines 460 and 680 to the stock status code of the asset chosen. Change lines 470 and 690 to the stock ownership of the asset chosen. Change lines 480 and 700 for the Quantity to reserve. Change line 660 to the part number of the catalog chosen. Change line 670 to the cage code that corresponds to the part number. Stow the adhoc program.
- Using the supplied Job Control Language (See Appendix E for the JCL) as an example, build a job stream and execute the batch job to create the reservation (RSPS) transaction.
- Using the Monitor Transaction (MONTRANS), verify the reservation (RSPS) transactions were created. If no transactions were created, look at the output file created, look at the output file created from the batch job which contains the errors that occurred. Correct the data using the provided adhoc program, stow the adhoc program and rerun the batch job. Possible errors could be unit of issue (ea) does not match the asset unit of issue or the NSN does not match the part number supplied.

#### VALIDATION - RESERVATIONS (Store or Standby Stock)

- Using the Scan Asset (SCANASET) process, select an active store stock or standby stock asset with quantity on hand.
- Using the Catalog Scan (CATSCAN) process, note the part number and cage code for the asset selected.
- At the next prompt, edit the provided adhoc program (NSMS868C). Change line 450 to the asset chosen. Change lines 460 and 680 to the stock status code of the asset chosen. Change lines 470 and 690 to the stock ownership of the asset chosen. Change lines 480 and 700 for the Quantity to issue, turn in, and reserve. Change line 660 to the part number of the catalog chosen. Change line 670 to the cage code that corresponds to the part number. Change lines 600 and 820 to the turn in stock ownership. Stow the adhoc program.
- Using the supplied Job Control Language (See Appendix E for the JCL) as an example, build a job stream and execute the batch job to create the issue (ISPR) transaction, turn in (TINC) transaction and reservation (RSPS) transaction.
- Using the Monitor Transaction (MONTRANS), verify the create issue (ISPR) transactions, turn in (TINC) transactions and reservation (RSPS) transactions were created. If no transactions were created, look at the output file created, look at the output file created from the batch job which contains the errors

that occurred. Correct the data using the provided adhoc program, stow the adhoc program and rerun the batch job. Possible errors could be unit of issue (ea) does not match the asset unit of issue or the NSN does not match the part number supplied.

#### Validation - Stocked Commercial Due In

- Using the Catalog Scan (CATSCAN) process, select a catalog record with a part number that does not exist on another catalog record. Note the part number and cage code.
- Using the Asset Scan (SCANASET) process, select a store stock asset for the catalog record chosen previously.
- At the next prompt, edit the provided adhoc program (NSMS868B). Change line 480 to the NSN chosen. Change line 490 to the stock status code of the asset chosen. Change line 500 to the stock ownership of the asset chosen. Change line 700 to the part number of the catalog chosen. Change line 710 to the cage code that corresponds to the part number. Change line 720 to the stock status code of the asset. Change line 730 to the stock ownership of the asset. Stow the adhoc program.
- Using the supplied Job Control Language (JCL) (see Appendix E for the JCL) as an example, build a job stream and execute the batch job.
- Using the Monitor Transaction (MONTRANS) process, verify the Due In Stocked Commercial (DISC) transactions were created. If no transactions were created, look at the output file created from the batch job which contains the errors that occurred. Correct the data using the provided adhoc program, stow the program and rerun the batch job. Possible errors could be unit of issue (ea) does not match the asset unit of issue or the priority (A) is not on the priority table.

#### Validation - Direct Buy Commercial Due In

- Using the Catalog Scan (CATSCAN) process, select a catalog record with a part number that does not exist on another catalog record. Note the part number and cage code.
- Using the Asset Scan (SCANASET) process, select an asset for the catalog record chosen previously. Note the NSN.
- At the next prompt, edit the provided adhoc program (NSMS868A). Change line 460 to the stock status code of the asset. Change line 470 to the stock ownership of the asset. Change line 520 to the part number of the catalog chosen. Change line 530 to the cage code that corresponds to the part number. Change line 710 to the NSN chosen. Change line 720 to the stock status code of the asset chosen. Change line 730 to the stock ownership of the asset chosen. Stow the adhoc program.
- Using the supplied Job Control Language (JCL) (see Appendix E for the JCL) as an example, build a job stream and execute the batch job.

- Using the Monitor Transaction (MONTRANS) process, verify the Due In Direct Buy Commercial (DIDC) and the Due Out Direct Buy (DODR) transaction were created. Also, verify the part number is being displayed on the transaction. If no transactions were created, look at the output file created from the batch job which contains the errors that occurred. Correct the data using the provided adhoc program, stow the program and rerun the batch job. Possible errors could have occurred if unit of order (ea) does not match the asset unit of order or the domain (NS) is not entered.

#### VALIDATION - Part Information

Special Notes : Local Technical Support must be involved with this validation.

- Using the Flight Hardware Extract (FLGHTFIL) process, enter up to five domains.
- Browse the output files and compare the data with the layout of the local data area (NSDLEXTA). Verify the appropriate data fields are in the position of the local data area.

#### 2. PROBLEM - (Warehouse Denial Asset Analysis) 1620# - 908

The Warehouse Denial Analysis process does not require comments to be entered upon approval.

ACTION - Correct process to require comments when approval is entered.

#### SPECIAL NOTES :

- This test should be executed maintaining quantities at the bin level. The site parameter (SITEPARM) process may be used to change the update bin indicator and if necessary the analysis approval indicator.
- The Create Issue Directive (ISSUEPRE) process may be used to set up pre-post issue (ISPR) transactions to be used in the testing of the Warehouse Denial Analysis (WDAMENU) process.
- The user must be a commodity manager for the FSC's of the assets selected, use the Commodity Manager Table Maintenance (COMGRTAB) process to add or change the user's data if needed.

#### VALIDATION

- Using the Asset Scan (SCANASET) process, select a store stock asset with quantity on hand. Note the on hand and bin quantities. These quantities should be the same.
- Using the Warehouse Denial Analysis Menu (WDAMENU) process, process an analysis and approval at all levels.

Initiate an analysis of a pre-post issue (WDAINIT), entering the document number of the pre-post issue and press <enter>. Enter a physical count but do not mark the IM field and do not add comments. Press <enter> and process to completion.

- Using the Warehouse Analysis (WDAWARE) process, select the transaction by entering 'X' in the first column. Press <enter>. The process will display the record chosen. Enter comments in the cause of discrepancy, corrective action and 'Y' in the IM field. Press <enter>. The analysis screen should be returned for further processing. Process to completion.
- Using the I/M Analysis (WDAMANG) process, select the transaction by entering 'X' in the first column. Press <enter>. The process will display the record chosen. Press <enter> to view the next screen of data. Enter comments in the inventory management analysis field and 'Y' in the approve field. Press <enter>. The analysis screen should be returned for further processing. Press <enter> and process to completion.
- Using the First Approval of Analysis (WDAAPPR1) process, select the transaction by entering 'X' in the sel column. Press <enter>. The process will display the record chosen. Press <enter> to get the next screen of data and enter comments in the first approval comment field and 'Y' in the approve field. Press <enter>. The analysis screen should be returned for further processing. Press <enter> and process to completion.
- Using the Second Approval of Analysis (WDAAPPR2) process, select the transaction by entering 'X' in the sel column. Press <enter>. The process will display the record chosen. Press <enter> to get the next screen of data and enter comments in the second approval comment field and 'Y' in the approve field. Press <enter>. The analysis screen should be returned for further processing. Press <enter> and process to completion.
- Repeat this test setting the Update Bin Quantity Indicator to no (N). Refer to the first SPECIAL NOTES: if help is needed to set the indicator.

### 3. PROBLEM - (Consolidation of Assets) 1620# - 909

The consolidation transaction does not reflect the price of the losing asset if the asset is traceable.

**ACTION** - Correct process to include price total on the consolidation transaction.

#### **VALIDATION**

- Using the Add, Change, or Delete Catalog (CATADCHG) process, add two(2) traceable commercial catalog records.

- Using the Add, Change or Delete Asset (ADCHGAST) process, add two program stock traceable assets with the same unit of issue. These assets will be referred to as Asset 1 and Asset 2.
- Using the Inventory Adjustment (INVADJST) process, increase the quantity of Asset 1 by ten (10). Assign ten (10) lot/batch or serial numbers to the asset giving each trace record a quantity of one (1).
- Using the Asset Scan (SCANASET) process, view the detail for Asset 1. There should be ten (10) trace records with a quantity of one (1) each. Asset 2 should have a quantity of zero (0) and no trace records. Verify the price total of both assets is equal to the quantity multiplied by the average price.
- Using the Consolidate Asset (CONSLAST) process, consolidate Asset 1 into Asset 2.
- Using the Monitor Transaction (MONTRANS) process, view the detail of the transactions. Verify there are ten (10) entries of trace data with a quantity of one (1). Verify the price total is reflected on the transaction.
- Using the Transaction Reversals (REVTRANS) process, reverse the consolidation.
- Using the Monitor Transaction (MONTRANS) process, view the detail of the transactions. Verify there are ten (10) entries of trace data with a quantity of one (1). Verify the price total is reflected on the transaction.
- Using the Asset Scan (SCANASET) process, view the detail for Asset 1. There should be ten (10) trace records with a quantity of one (1) each. Asset 2 should have a quantity of zero (0) and no trace records. Verify the price total of the asset is correct.
- Using the Add, Change, or Delete Catalog (CATADCHG) process, add two(2) non-traceable commercial catalog records.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add two program stock assets with the same unit of issue. These assets will be referred to as Asset 3 and Asset 4.
- Using the Inventory Adjustment (INVADJST) process, increase the quantity of Asset 3 by ten (10).
- Using the Asset Scan (SCANASET) process, view the detail for Assets 3 and 4. Verify the price total of both assets is equal to the quantity multiplied by the average price.
- Using the Consolidate Asset (CONSLAST) process, consolidate Asset 3 into Asset 4.
- Using the Monitor Transaction (MONTRANS) process, view the detail of the transactions. Verify the quantity and price total is reflected on the transaction.
- Using the Transaction Reversals (REVTRANS) process, reverse the consolidation.

- Using the Monitor Transaction (MONTRANS) process, view the detail of the transactions. Verify the quantity and price total is reflected on the transaction.
- Using the Asset Scan (SCANASET) process, view the detail for Assets 3 and 4. Verify the quantity and price total of the assets are correct.
- Using the Add, Change, or Delete Catalog (CATADCHG) process, add two(2) non-traceable commercial catalog records.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add two store stock assets with the same unit of issue. These assets will be referred to as Asset 5 and Asset 6.
- Using the Inventory Adjustment (INVADJST) process, increase the quantity of Asset 5 by ten (10).
- Using the Asset Scan (SCANASET) process, view the detail for Assets 5 and 6. Verify the price total of both assets is equal to the quantity multiplied by the average price.
- Using the Consolidate Asset (CONSLAST) process, consolidate Asset 5 into Asset 6.
- Using the Monitor Transaction (MONTRANS) process, view the detail of the transactions. Verify the quantity and price total is reflected on the transaction.
- Using the Transaction Reversals (REVTRANS) process, reverse the consolidation.
- Using the Monitor Transaction (MONTRANS) process, view the detail of the transactions. Verify the quantity and price total is reflected on the transaction.
- Using the Asset Scan (SCANASET) process, view the detail for Assets 5 and 6. Verify the quantity and price total of the assets are correct.
- Using the Add, Change or Delete Asset (ADCHGAST) process, add a store stock asset with the same unit of issue as Asset 6. This asset will be referred to as Asset 7.
- Using the Consolidate Asset (CONSLAST) process, consolidate Asset 7 into Asset 6.
- Using the Monitor Transaction (MONTRANS) process, view the detail of the transactions. Verify the quantity and price total is reflected on the transaction.
- Using the Transaction Reversals (REVTRANS) process, reverse the consolidation.
- Using the Monitor Transaction (MONTRANS) process, view the detail of the transactions. Verify the quantity and price total is reflected on the transaction.
- Using the Asset Scan (SCANASET) process, view the detail for Assets 6 and 7. Verify the quantity and price total of the assets are correct.

## APPENDIX D

### INSTALLATION INSTRUCTIONS AND CHECKLIST

#### Introduction

##### Release information:

System Name: NSMS  
Release Number: 5.2.0  
Release Date: December 1997  
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: (205) 544-6673  
Email: pam.leak@msfc.nasa.gov  
FAX: (205) 544-1836

The following datasets are located on the NASA Central Distribution Facility as NASA data sets:

- AIMS.NSMS.PROD.REL520.REL1297.DOC
  - VOLUME = site determined
  - ORG = PO
  - RECFM = FB
  - LRECL = 80
  - BLKSIZE = 4000
  - TRKS = 2
  
- AIMS.NSMS.PROD.REL520.REL1297.ERR
  - VOLUME = site determined
  - ORG = PS
  - RECFM = VB
  - LRECL = 5004
  - BLKSIZE = 5008
  - TRKS = 1
  
- AIMS.NSMS.PROD.REL520.REL1297.SRC
  - VOLUME = site determined
  - ORG = PS
  - RECFM = VB
  - LRECL = 4624
  - BLKSIZE = 4628

TRKS = 25

These datasets are located on the Central Bulletin Board and have allocation requirements based on a 3390 disk drive.

### 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

## 1.0 Back Up Existing Data

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

## 2.0 Copy Source/Object Code

### 2.1 Load Source Code

Load the NSMS source library from dataset AIMS.NSMS.PROD.REL520.REL1297.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:

Natural Source Modules by Type	
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	19
MAPS	7
HELP ROUTINES	0
SUBROUTINES	14
SUBPROGRAMS	5
PROGRAMS	11
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	56

## 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>
NSDLCRAS	Create Asset Record	LDA	868
NSSRCRAS	Create Asset Record	SUB	868
NSDLCRSL	Create Shelf Life Record	LDA	868
NSSRCRSL	Create Shelf Life Record	SUB	868
NSDLPART	Parts file record format	LDA	868
NSDLTINC	Turn In No Credit	LDA	868
NSPUTINC	Turn In No Credit	SUBP	868
NSSRPFCK	Freeze Code Check	SUB	868
NSPUPART	Read Parts File	PGM	868
NSPURSVE	Reserve Parts Process	SUBP	868
NSDLRSVE	Reserve Parts Process	LDA	868
NSPUISSSE	Issue Parts Process	SUBP	868
NSDLISSE	Issue Parts Process	LDA	868
NSSRRSVA	Trace/Bin/Asset Checks	SUB	868
NSDLRSVA	Trace/Bin/Asset Checks	LDA	868
NSSRRSVB	Update Asset/Trace Files	SUB	868
NSDLRSVB	Update Asset/Trace Files	LDA	868
NSSRRSVC	Bin Edits	SUB	868
NSDLRSVC	Bin Edits	LDA	868
NSSRISSA	Single Issue Transaction	SUB	868
NSSRISSU	Single Issue Transaction	SUB	868
NSSRBVAT	Validate Assets	SUB	868
NSDLBVAT	Validate Assets	LDA	868
NSDLPROC	Procurement Order Stocked	LDA	868
NSPUPROC	Procurement Order Stocked	SUBP	868
NSMS868A	Adhoc to create external file	PGM	868
NSMS868B	Adhoc to create external file	PGM	868
NSMS868C	Adhoc to create external file	PGM	868
NSSRPRCA	Procurement Order Stocked	SUB	868
NSDLPRCA	Procurement Order Stocked	LDA	868
NSDLPROD	Procurement Order Demand Items	LDA	868
NSPUPROD	Procurement Order Demand Items	SUBP	868
NSSRPNC1	Find NSN for Part	SUB	868
NSSRPNC2	Find NSN for Part	SUB	868
NSDLPNC1	Find NSN for Part	LDA	868
NSDLEXTA	Input Parameter for Extract	LDA	868
NSSFEXTF	Input Parameter for Extract	PGM	868
NSPUEXTF	Flat File Extract	PGM	868
NSDLEXTF	Flat File Extract	LDA	868
NSPTEXTF	Flat File Extract	PGM	868
NSMHEXTF	Input Parameter for Extract	MAP	868
NSMPEXTF	Input Parameter for Extract	MAP	868

## Changed Modules

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
NSMPINIT	NSMS Initial Map	MAP	
NSPT3201	Display Due In Commercial Transaction	PGM	868
NSDL3201	Display Due In Commercial Transaction	LDA	868
NSMP3201	Display Due In Commercial Transaction	MAP	868
NSPTDIDO	Display Due Out Transaction	PGM	868
NSDLDIDO	Display Due Out Transaction	LDA	868
NSMPDIDO	Display Due Out Transaction	MAP	868
NSPTTQNO	Display Turn In Transaction	PGM	868
NSDLTQNO	Display Turn In Transaction	LDA	868
NSMPTQNO	Display Turn In Transaction	MAP	868
NSMPWD0B	Warehouse Denial	MAP	908
NSPTWD0A	Warehouse Denial	PGM	908
NSSRBINC	Consolidate Assets	SUB	909
NSSRBIN6	Reversal of Consolidation	SUB	909

## Deleted Modules

No modules were deleted within 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

There are no data dictionary changes included in this release.

##### 4.1.1 Inventory of Objects

There are no PREDICT changes included in this release.

##### 4.1.2 Storage Considerations

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

##### 4.1.3 Physical File Changes

There are no file changes included in this release.

## 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

Load the Natural error message to the NSMS library using the ERRLODUS utility in the SYSERR library.

Total Error Messages - 303

## 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
- 5.0 Catalog Source Code
- 7.0 Load Natural Error Messages

## APPENDIX E

### SAMPLE JCL

#### Issues/Reservations

```
000100 //THNSMSMS JOB (6AI992930043,503),'XX',MSGCLASS=J,CLASS=P,  
000200 // NOTIFY=XXXXXX  
000300 //*JOBPARM LINES=100  
000400 // EXEC N01Z  
000500 //CMPRINT DD SYSOUT=(R,P3030132),COPIES=1  
000600 //CMSYNIN DD *  
000700 NSMSTEST,NSBATCH  
000800 NSBATCH  
000900 NSMS868C  
001000 NSPUPART  
002700 //CMPRT01 DD SYSOUT=(7),DEST=U1109  
002800 //CMWKF01 DD DSN=MSIRM.NSMSDD.FLGHTE,DISP=(MOD,KEEP),  
002900 // SPACE=(CYL,(5,1),RLSE),DCB=(RECFM=FB,BLKSIZE=1770)  
003000 //CMWKF02 DD DSN=MSIRM.NSMSDD.FLGHTF,DISP=(MOD,KEEP),  
003010 // SPACE=(CYL,(5,1),RLSE),DCB=(RECFM=FB,BLKSIZE=1770)  
003020 /*
```

The data set name of work file one (CMWKF01) should be the name of the external file.

#### Stocked Commercial Due In

```
000100 //THNSMSMS JOB (6AI992930043,503),'XX',MSGCLASS=J,CLASS=P,  
000200 // NOTIFY=XXXXXX  
000300 //*JOBPARM LINES=100  
000400 // EXEC N01Z  
000500 //CMPRINT DD SYSOUT=(R,P3030132),COPIES=1  
000600 //CMSYNIN DD *  
000700 NSMSTEST,NSBATCH  
000800 NSBATCH  
000900 NSMS868B  
001000 NSPUPART  
002700 //CMPRT01 DD SYSOUT=(7),DEST=U1109  
002800 //CMWKF01 DD DSN=MSIRM.NSMSDD.FLGHTA,DISP=(MOD,KEEP),  
002900 // SPACE=(CYL,(5,1),RLSE),DCB=(RECFM=FB,BLKSIZE=1770)  
003000 //CMWKF02 DD DSN=MSIRM.NSMSDD.FLGHTB,DISP=(MOD,KEEP),  
003010 // SPACE=(CYL,(5,1),RLSE),DCB=(RECFM=FB,BLKSIZE=1770)  
003020 /*
```

The data set name of work file one (CMWKF01) should be the name of the external file.

**Direct Buy Commercial Due In**

```
000100 //THNSMSMS JOB (6AI992930043,503),'XX',MSGCLASS=J,CLASS=P,  
000200 // NOTIFY=XXXXXX  
000300 //*JOBPARM LINES=100  
000400 // EXEC N01Z  
000500 //CMPRINT DD SYSOUT=(R,P3030132),COPIES=1  
000600 //CMSYNIN DD *  
000700 NSMSTEST,NSBATCH  
000800 NSBATCH  
000900 NSMS868A  
001000 NSPUPART  
002700 //CMPRT01 DD SYSOUT=(7),DEST=U1109  
002800 //CMWKF01 DD DSN=MSIRM.NSMSDD.FLGHTC,DISP=(MOD,KEEP),  
002900 // SPACE=(CYL,(5,1),RLSE),DCB=(RECFM=FB,BLKSIZE=1770)  
003000 //CMWKF02 DD DSN=MSIRM.NSMSDD.FLGHTD,DISP=(MOD,KEEP),  
003010 // SPACE=(CYL,(5,1),RLSE),DCB=(RECFM=FB,BLKSIZE=1770)  
003020 /*
```

The data set name of work file one (CMWKF01) should be the name of the external file.