

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

Release 5.1.3

PrISMS Contract

October 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 5.1.3

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  
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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 5.1.3.

The release has an effective date of October 31, 1997 and is scheduled for implementation by December 15, 1997. Support of the previous release expires on the implementation date of release 5.1.3.

### 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 5.1.3, 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) 899 and 901.

This release includes the necessary modules to incorporate the RC 879 approved by the Configuration Control Board (CCB). RC 879 allows for multiple Vendors to be used within Just-In-Time (JIT) processing.

1. ENHANCEMENT - (Provide capability for JIT processing to handle multiple vendors. ) 1620# - 879

The JIT processing of NSMS does not provide processing for multiple vendors.

ACTION - Incorporate the necessary changes to process multiple vendors for JIT processing.

2. PROBLEM - (CATALOG INQUIRY DRIVER) 1620# - 899

Inquiry for a selected NSN, Manufacturers Part Number, Catalog Index, Generic Technical Description or AKA Name does not produce correct data.

ACTION - Correct processing by selected entry to produce valid data in following processes.

- Catalog Inquiry Scan by NSN
- Catalog Inquiry Scan by Manufacturers Part Number
- Catalog Inquiry Scan by Catalog Index
- Catalog Inquiry Scan by Generic Technical Name
- Catalog Inquiry Scan by AKA Name

3. PROBLEM - (Bin Location Summary Report) 1620# - 901

Assets are being frozen when selecting by bin range and inputting a date in the 5 year date field.

ACTION - Thaw all records that were frozen when running the report by bin range.

## 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

The release has no application system administration.

### 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 5.1.3 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
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
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 - (Provide capability for JIT processing to handle multiple vendors. ) 1620# - 879

The JIT processing of NSMS does not provide processing for multiple vendors.

**ACTION** - Incorporate the necessary changes to process multiple vendors for JIT processing.

#### A. Batch Update for Manufacturer Table

Create a batch process to update the Manufacturer Table using data supplied by a Vendor.

**ACTION** - Create a program to read a file supplied by a Vendor containing Manufacturer Id and Name. Compare the input against the existing Manufacturer Table. If the manufacturer id (cage code) does not exist add the record to the Manufacturer Table. A report will be produced reflecting any updates and/or errors.

#### SPECIAL NOTES:

If you are not using the Just In Time (JIT) process, then you do not need to run this job. Refer to Appendix E for the sample JCL to execute this process.

#### VALIDATION

- Using the Manufacturer Table Maintenance (MFGTAB) process, verify that four records from the Vendor supplied Manufacturer file exist in the table. Verify that at least six records from the Vendor supplied Manufacturer file do not exist in the table.
- Ensure the Vendor supplied Manufacturer file is in the following format:  
Manufacturer Id (five characters)  
Manufacturer Name (fifty characters)
- Using the Vendor supplied Manufacturer file as work file one, execute the Manufacturer Table update program using the supplied Job Control Language (JCL) (see Appendix E for the JCL). A report will be produced reflecting updates and/or errors. Verify the report reflects no update took place on the four records that existed on the Manufacturer Table prior to execution of this step. Verify the report reflects records were added for the six records that did not exist on the Manufacturer Table prior to execution of this step.

## B. Merge Production Work File with a New Vendor Work File

Create a process to merge the current Vendor file with a new Vendor file.

**ACTION** - Create a program to read the current Vendor file and the new vendor file merging them to form a new Vendor file.

### SPECIAL NOTES:

If you are not using the Just In Time (JIT) process or if you only have one Vendor, then you do not need to run this job. Refer to Appendix E for the sample JCL to execute this process.

### VALIDATION

- Ensure the current Vendor work file and new vendor work file are formatted as follows:
  - Stock Number (thirteen characters)
  - Unit Issue (two characters)
  - filler (one character)
  - Price (eleven characters)
  - Part Number (twenty-two characters)
  - Cage Code (five characters)
  - filler (five characters)
  - days (six characters)
  - Vendor (two characters)
- Edit each of the two files, getting a number of records in each file.
- Using the current production Vendor work file as work file one, and the new vendor work file as work file two, execute the merge program using the supplied JCL (see Appendix E for the JCL) to create the new production/test work file (work file three).
- Edit the newly created production work file and get the number of records. The number of records should be the summation of work file one and work file two.
- Select several records from work file one and work file two, verifying that they are correct on work file three.

## C. Update Catalog file with Vendor Id

Create a process to update the Vendor Id on the Catalog file (NS-CATALOG).

**ACTION** - Create a program to read the new vendor work file and update the Vendor Id on the Catalog file.

#### SPECIAL NOTES:

If you are not using the Just In Time (JIT) process, then you do not need to run this job. Refer to Appendix E for the sample JCL to execute this process.

#### VALIDATION

- Ensure the new Vendor work file is formatted as follows:  
Stock Number (thirteen characters)  
Unit Issue (two characters)  
filler (one character)  
Price (eleven characters)  
Part Number (twenty-two characters)  
Cage Code (five characters)  
filler (five characters)  
days (six characters)  
Vendor (two characters)
- Using the Catalog Scan (CATSCAN) process, verify that several Stock Numbers from the new Vendor work file exist on the Catalog file.
- Using the new Vendor work file as work file one, execute the update Catalog Vendor Id program using the supplied JCL (See Appendix E for the JCL).
- Using the Catalog Scan (CATSCAN) process, verify the Vendor Id on the Catalog file is updated with the Vendor Id from the work file.

D. Validate Manufacturer Id when updating Catalog and Asset files

Add an edit for Manufacturer Id when updating the Catalog and Asset files.

ACTION - Add logic to validate the Manufacturer Id when updating the Catalog and Asset files.

#### SPECIAL NOTES:

If you are not using the Just In Time (JIT) process, then you do not need to run this job. Refer to Appendix E for the sample JCL to execute this process.

#### VALIDATION

- Ensure the work file is formatted as follows:  
Stock Number (thirteen characters)  
Unit Issue (two characters)  
filler (one character)  
Price (eleven characters)  
Part Number (twenty-two characters)  
Cage Code (five characters)  
filler (five characters)

days (six characters)

Vendor (two characters)

- Using the Catalog Scan (CATSCAN) process, verify that several Stock Numbers from the work file exist.
- Using the Asset Scan (SCANASET) process, verify asset records exist for the catalog records.
- Using the Manufacturer Table Maintenance (MFGTAB) process, verify the Manufacturer Id (Cage Code) for the above records do not exist.
- Using the supplied JCL (see Appendix E for the JCL) execute the batch job to validate the Manufacturer Id. A report will be produced reflecting the above Stock Numbers and a message that Cage Code does not exist.

#### E. JIT Receipt

Allow multiple vendors when receiving JIT Orders.

ACTION - Change process to handle multiple vendors.

#### SPECIAL NOTES:

If you are not using the Just In Time (JIT) process, then you do not need to run this job. Refer to Appendix E for the sample JCL to execute this process.

#### VALIDATION

- Using the Monitor Transaction (MONTRANS) process, select a JIT Order (DIEC) transaction. Note the document number and quantity of the transaction.
- Using the Monitor Transaction process, select a JIT Direct Buy (DIED) transaction with a Vendor Id in position's five and six of the Stock Number. Note the document number and quantity of the transaction.
- Using the Vendor Id Table Maintenance (VENDTBL) process, ensure the Vendor Id of the JIT Direct Buy (DIED) transaction exists on the table.
- Using the JIT Receipt (JITRCEC) process, receive the JIT Order (DIEC). Enter a quantity less than the JIT Order quantity and process to completion.
- Using the Monitor Transaction (MONTRANS) process, verify the EDI Receipt (RCEC) transaction was created with the quantity entered in the previous step. Verify the JIT Order Adjustment (DIECA) was created with the difference between the value ordered and the value received.
- Using the JIT Receipt process, receive the JIT Direct Buy (DIED). Enter a quantity less than the JIT Direct Buy quantity and process to completion.
- Using the Monitor Transaction (MONTRANS) process, verify the EDI Receipt (RCEC) was created with the quantity entered in the previous step. Verify the JIT Direct Buy Adjustment (DIEDA) was created with the difference between the value ordered and the value received.

#### F. JIT Create 850

Allow multiple vendors when creating JIT Orders for EDI transmission.

ACTION - Change process to handle multiple vendors.

#### SPECIAL NOTES:

If you are not using the Just In Time (JIT) process, then you do not need to run this job. Refer to Appendix E for the sample JCL to execute this process.

#### VALIDATION

- Using NOSC (NASA Online Supply Catalog) create a JIT Order for two store stock items with a different vendor and a JIT Direct Buy Order for two items that have different vendors.
- Using the Monitor Transaction (MONTRANS) process, verify that four transactions were created (two DIEC transactions and two DIED transactions).
- Using the View DIEC / DIED (VIEWECED) process, transmit the EDI's. Run the batch job that creates the EDI 850 transaction sets. Verify the data set created from this job contains the correct vendor.

#### 2. PROBLEM - (CATALOG INQUIRY DRIVER) 1620# - 899

Inquiry for a selected NSN, Manufacturers Part Number, Catalog Index, Generic Technical Description or AKA Name does not produce correct data.

ACTION - Correct processing by selected entry to produce valid data in following processes.

- Catalog Inquiry Scan by NSN
- Catalog Inquiry Scan by Manufacturers Part Number
- Catalog Inquiry Scan by Catalog Index
- Catalog Inquiry Scan by Generic Technical Name
- Catalog Inquiry Scan by AKA Name

#### VALIDATION

- Using the Catalog Inquiry Driver (CINQDVR) process, enter a NSN in the NSN field and press <enter> . Verify the detail screen displays the data for the NSN entered.
- Using the Catalog Inquiry Driver (CINQDVR) process, enter a Part Number that exists on multiple catalog records in the PART NUMBER field and press <enter>. Enter a number of a NSN to display the additional data and press <enter>. Verify the detail screen displays the data for the NSN chosen.
- Using the Catalog Inquiry Driver (CINQDVR) process, enter a Catalog Index that exists on multiple catalog records in the CATALOG INDEX field and press <enter>. A list of NSNs for the Catalog Index will be displayed. Enter a

number of a NSN to display the additional data and press <enter>. Verify the detail screen displays the data for the NSN chosen.

- Using the Catalog Inquiry Driver (CINQDVR) process, enter a Generic Name in the GENERIC NAME field and press <enter>. A list of Technical Names for the Generic Name will be displayed. Enter a number of a record to display the additional data and press <enter>. A list of Catalog Indexes for the Generic/Technical Name entered will be displayed. Enter a number of a record to display the additional data and press <enter>. Verify the detail screen displays the data for the NSN chosen.
- Using the Catalog Inquiry Driver (CINQDVR) process, enter an AKA Name in the AKA NAME field and press <enter>. A list of Approved Item Names for the AKA Name will be displayed. Enter a number of a record to display the additional data and press <enter>. A list of Catalog Indexes for the Approved Item Name entered will be displayed. Enter a number of a record to display the additional data and press <enter>. Verify the detail screen displays the data for NSN chosen. If you do not receive the appropriate list of approved item names or catalog indexes, make sure that multiple records exist for the approved item name and/or index.

### 3. PROBLEM - (Bin Location Summary Report) 1620# - 901

Assets are being frozen when selecting by bin range and inputting a date in the 5 year date field.

ACTION - Thaw all records that were frozen when running the report by bin range.

#### VALIDATION

- Using the Process Inventory Counts (INVCTSMM) process, build an inventory control record (option 1 with run-id, and an inventory type of FBR). Enter a 5 Year Inventory Date Check, a beginning bin of A and an ending bin of 9. Process to completion.
- In a batch mode, run the provided adhoc (NSMS0902) to count the number of frozen assets (freeze code of I), and thaw any asset(s) not in an inventory. In a batch mode, run the adhoc NSMS0901 to ensure that no frozen assets (freeze code of I) exist unless in an existing inventory.
- Using the Process Inventory Counts (INVCTSMM), produce the Bin Location Report (option 2). Process to completion. This will be a long running job due to reading all bins.
- In a batch mode, run the provided adhoc (NSMS0901) to count the number of frozen assets. If any frozen assets exist the number should equal the number from the adhoc NSMS0902.

- Using the Process Inventory Counts (INVCTSMM) process, build an inventory control record (option 1 with run-id, and an inventory type of FBR). Enter yes ('Y') in the Date Check, a beginning bin of A and an ending bin of 9. Process to completion.
- Using the Process Inventory Counts (INVCTSMM), produce the Bin Location Report (option 2). Process to completion. This will be a long running job due to reading all bins.
- In a batch mode, run the provided adhoc (NSMS0901) to count the number of frozen assets. If any frozen assets exist the number should equal the number from the adhoc NSMS0902.
- Using the Process Inventory Counts (INVCTSMM) process, build an inventory control record (option 1 with run-id, and an inventory type of FBR). Enter a beginning bin of A and an ending bin of 9. Process to completion.
- Using the Process Inventory Counts (INVCTSMM), produce the Bin Location Report (option 2). Process to completion. This will be a long running job due to reading all bins.
- In a batch mode, run the provided adhoc (NSMS0901) to count the number of frozen assets. If any frozen assets exist the number should equal the number from the adhoc NSMS0902.

## APPENDIX D

### INSTALLATION INSTRUCTIONS AND CHECKLIST

#### Introduction

##### Release information:

System Name: NSMS  
Release Number: 5.1.3  
Release Date: October 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.REL513.REL1097.DOC
  - VOLUME = site determined
  - ORG = PO
  - RECFM = FB
  - LRECL = 80
  - BLKSIZE = 4000
  - TRKS = 3
  
- AIMS.NSMS.PROD.REL513.REL1097.SRC
  - VOLUME = site determined
  - ORG = PS
  - RECFM = VB
  - LRECL = 4624
  - BLKSIZE = 4628
  - TRKS = 17

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.REL513.REL1097.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	11
MAPS	5
HELP ROUTINES	0
SUBROUTINES	6
SUBPROGRAMS	0
PROGRAMS	11
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	33

## 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>
EDPUMFGT	Manufacturer Table Update	PGM	879
EDPUMRG2	Merge Vendor Catalogs	PGM	879
EDDLMRG2	Merge Vendor Catalogs	LDA	879
EDPUVCAT	Update Catalog Vendor Id	PGM	879
EDDLVCAT	Update Catalog Vendor Id	LDA	879
NSSRCIAK	AKA Name Inquiry	SUB	899
NSDLCINS	Index Generic/Technical Inquiry	LDA	899
NSSRCINS	Index Generic/Technical Inquiry	SUB	899
NSDLCIPN	Part Number Inquiry	LDA	899
NSSRCIPN	Part Number Inquiry	SUB	899
NSDLCISL	Catalog Index NSN Inquiry	LDA	899
NSSRCISL	Catalog Index NSN Inquiry	SUB	899
NSDLCITN	Generic/Technical Name Inquiry	LDA	899
NSSRCITN	Generic/Technical Name Inquiry	SUB	899
NSDLNSNR	NSN Inquiry	LDA	899
NSSRNSNR	NSN Inquiry	SUB	899
NSMS0901	Adhoc to thaw frozen assets	PGM	901
NSMS0902	Adhoc to count frozen assets	PGM	901

### Changed Modules

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
NSMPINIT	NSMS Initial Map	MAP	
EDPTRCPT	JIT Receipt Process	PGM	879
EDDLRCPT	JIT Receipt Process	LDA	879
EDPUJTDO	JIT Create 850	PGM	879
EDPUXCEL	Flat File Update of Catalog and Asset	PGM	879
EDLDXCEL	Flat File Update of Catalog and Asset	LDA	879
EDPUNOSC	Extract Catalog Records for NOSC	PGM	879
NSDLCIDR	Catalog Inquiry Driver	LDA	899
NSPTCIDR	Catalog Inquiry Driver	PGM	899
NSDLCIAK	AKA Name Inquiry	LDA	899
NSMPCIAK	AKA Name Inquiry	MAP	899
NSMPCINS	Index Generic/Technical Inquiry	MAP	899
NSMPCITN	Generic/Technical Name Inquiry	MAP	899
NSMPCISL	Catalog Index NSN Inquiry	MAP	899
NSPRICLS	Inventory Counts	PGM	901

### 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.

The module EDCYCLE will need to be executed to stop the server in order for newly changed modules to take effect.

## 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
- 5.0 Catalog Source Code

## APPENDIX E

### SAMPLE JCL

#### Batch Update for Manufacturer Table (EDPUMFGT)

```
000100 //THNSMSMS JOB (6AI992930043,503),'XX',MSGCLASS=J,CLASS=P,
000200 //   NOTIFY=XXXXXX
000300 //*JOBPARM LINES=100
000400 /*
000500 /* *****
000600 /* * PROGRAM-> EDPUMFGT
000700 /* *
000800 /* * THIS JCL EXECUTES PROGRAM  EDPUMFGT
000900 /* * THIS PROGRAM READS A WORK FILE AND COMPARES
001000 /* * THE 5 DIGIT CAGE CODE (MFG ID) AGAINST THE
001100 /* * MANUFACTURER TABLE (MANUFACTURER ID).
001200 /* *
001300 /* * IF A RECORD EXISTS, WRITE REPORT REFLECTING RECORD EXISTS.
001400 /* *
001500 /* *
001600 /* * IF NEW RECORD, UPDATE THE MANUFACTURER TABLE
001700 /* * AND WRITE REPORT REFLECTING RECORD WAS ADDED.
001800 /* *
001900 /* *****
002000 /*
002100 // EXEC PMDTEST
002200 //CMPRINT DD SYSOUT=(R,P3030132),COPIES=1
002300 //CMSYNIN DD *
002400 NSMSTEST,NSBATCH
002500 NSBATCH
002600 EDPUMFGT
002700 //CMPRT01 DD SYSOUT=(7),DEST=U1109
002800 //CMWKF01 DD DSN=XXXXXXXXX.TVWMFG.PRN,DISP=SHR
002900 /*
```

The data set name of work file one (CMWKF01) should be the name of the Vendor supplied file which contains the manufacturer id and name.

## Merge Production File with New Vendor File (EDPUMRG2)

```
000100 //THNSMSMS JOB (6AI992930043,503),'XX',MSGCLASS=J,CLASS=P,
000200 //   NOTIFY=XXXXXXXXX
000300 //*JOBPARM LINES=100
000400 /*
000500 /* *****
000600 /* * PROGRAM-> EDPUMRG2 - MERGES EXISTING JIT FILE WITH NEW
000700 /* *   JIT CUSTOMER'S FILE
000800 /* *
000900 /* * THIS JCL EXECUTES PROGRAM EDPUMRG2
001000 /* *
001100 /* *
001200 /* * PROGRAM READS WORK FILE 1 (EXISTING PRODUCTION FILE) AND
001300 /* *   WRITES OUT RECORDS WITH 'AZ' VENDOR TO WORK FILE 3.
001400 /* * PROGRAM READ WORK FILE 2 NEWLY CREATED FILE AND MERGES WITH
001500 /* *   WORK FILE 3.
001600 /* * WILL THEN HAVE TO COPY WORK FILE 3 TO PRODUCTION/TEST FILE.
001700 /* *****
001800 /*
001900 // EXEC PMDTEST
002000 //CMPRINT DD SYSOUT=(R,P3030132),COPIES=1
002100 //CMSYNIN DD *
002200 NSMSTEST,NSBATCH
002300 NSBATCH
002400 EDPUMRG2
002500 //CMPRT01 DD SYSOUT=(7),DEST=U1109
002600 //CMWKF01 DD DSN=XXXXXXXXX.ORIGIN.WORK1,DISP=SHR
002700 //CMWKF02 DD DSN=XXXXXXXXX.TVWEXCEL.PRN,DISP=SHR
002800 //CMWKF03 DD DSN=XXXXXXXXX.MERGED.WORK3,DISP=SHR
002900 /*
```

The data set name of work file one (CMWKF01) should be the name of the existing Vendor file.  
The data set name of work file two (CMWKF02) should be the name of the new Vendor file.  
The data set name of work file three (CMWKF03) should be the name of the merged Vendor files.

### Update Catalog file with Vendor Id (EDPUVCAT)

```
000100 //THNSMSMS JOB (6AI992930043,503),'XX',MSGCLASS=J,CLASS=P,
000200 //   NOTIFY=XXXXXXX
000300 //*JOBPARM LINES=100
000400 //* *****
000500 //* * PROGRAM-> EDPUVCAT - READS FILE - THNSMS.EXCEL.DATA
000600 //* * (AFTER VENDOR IDS HAVE BEEN ADDED)
000700 //* * UPDATES NS-CATALOG FILE WITH VENDOR-ID
000800 //* * THIS JCL(JOB CONTROL LANGUAGE) ALLOWS FOR THE EXECUTION OF
000900 //* * PROGRAM-> EDPUVCAT.
001000 //* * PROGRAM READ WORK FILE 1 (EXISTING PRODUCTION FILE) AND
001100 //* * WRITES OUT TWO REPORTS:
001200 //* *   1) THOSE RECORDS NOT ON FILE
001300 //* *   2) THOSE CATALOG RECORDS UPDATED WITH VENDOR ID.
001400 //* *****
001500 // EXEC PMDTEST
001600 //CMPRINT DD SYSOUT=(R,P3030132),COPIES=1
001700 //CMSYNIN DD *
001800 NSMSTEST,NSBATCH
001900 NSBATCH
002000 EDPUVCAT
002100 //CMPRT01 DD SYSOUT=(R),DEST=U1109
002200 //CMPRT02 DD SYSOUT=(R),DEST=U1109
002300 //CMWKF01 DD DSN=xxxxxxx.EXCEL.DATA,DISP=SHR
```

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

### Validate Manufacturer Id when updating Catalog and Asset files (EDPUXCEL)

```
000100 //THNSMSMS JOB (6AI992930041,A43),'XX',MSGCLASS=I,CLASS=P,  
000200 //    NOTIFY=XXXXXXXXX  
000300 //*JOBPARM LINES=100  
000400 /* THIS RUN UPDATES NS-ASSET AND NS-CATALOG FILES FROM AN INPUT  
000500 /* SEQUENTIAL DATA FILE. THIS INPUT FILE WAS CREATED FROM AN  
000600 /* EXCEL SPREAD SHEET. THE JOB IS PRESENTLY PLANNED TO RUN DAILY.  
000700 // EXEC PMDTEST  
000800 //CMPRINT DD SYSOUT=(R,P3030132),COPIES=1  
000900 //CMSYNIN DD *  
001000 NSMSTEST,NSBATCH  
001100 NSBATCH  
001200 EDPUXCEL  
001300 //CMPRT01 DD DSN=XXXXXXXXX.EXCEL.PRT,DISP=SHR  
001400 //CMWKF02 DD DSN=XXXXXXXXX.EXCEL.DATA,DISP=SHR  
001500 /*
```

The data set name of work file two (CMWKF02) should be the name of the spreadsheet data file.

## APPENDIX F

### NOSC PC INSTALLATION PROCEDURES

If NOSC is installed at your center, the following procedures should be used to install the NSMS NOSC PC Version 1.0.3 software upgrade. The upgrade exists on the WIZARD.MSFC.NASA.GOV server. This documentation is found in the apps\nsms\pc\_install\doc folder on the server.

#### REQUIREMENT:

There must be an existing directory for NOSC and PBRT.

The installer must be familiar with Windows 3.1 file manager or Windows 95 Explorer, FTP file transfer and ZIP file compression utilities.

If a file transfer application does not exist on your machine, proceed to the following directory on the server, the apps\nsms\pc\_install\support\win95\ws\_ftp.zip file. Open the file and select the INSTALL Option.

If an unzip utility does not exist on your machine, proceed to the following directory on the server depending on your platform. Proceed with the installation of this utility.

Win 95 - apps\nsms\pc\_install\support\win95\winzip95.zip

Win3.x - apps\nsms\pc\_install\support\win3.x\winzip.zip

#### I. PRE-INSTALL PREPARATION

- A. From My Computer Window OR Exploring Window OR File Manager
  1. Rename the existing Nosc directory to Noscbackup
  2. Rename the existing Pbrt directory to Pbrtbackup
  3. Choose the New Folder Option and create the temporary Nosc10 folder, \Nosc10 will be used to hold downloaded zip files for the application installation.

#### II. CONNECTING TO THE SERVER

- A. OPEN an FTP Server Connection to access the Remote Host wizard.msfc.nasa.gov (128.158.154.9). These entries including the Remote Host are case sensitive.
- B. Login Information
  - User Name - aim
  - Password - aimftp
  - Remote Operating System - UNIX (should be preset)
- C. If the Anonymous Login is checked, remove the check.

- D. When the directories display
  - 1. Double click on each directory until the path apps\nsms\pc\_install\versions win95 \nosc103 folder is opened.
  - 2. Download the following files into your local c:\nosc10 folder
    - disk1.zip
    - disk2.zip
    - disk3.zip
    - disk4.zip
- E. CLOSE the connection to the remote FTP Server.

### III. INSTALLATION

- A. Open the WinZip application.
- B. Select OPEN ARCHIVE
  - 1. Click on the Open icon , point to the c:\nosc10 folder and locate the zip files.
  - 2. Highlight disk1.zip , click OK, you can now see the contents of the zip file.
  - 3. Click on the EXTRACT icon , point to the c:\nosc10 folder , then Extract. (May already be pointing to correct folder). Repeat the prior steps (1 through 3) for disk2.zip, disk3.zip and disk4.zip files.
  - 4. Close the WinZip Application.
  - 5. Proceed to the c:\nosc10 directory and run setup.exe.
- C. Installation is complete.

### IV. CONFIGURING YOUR ENVIRONMENT

- A. Using My Computer Window or Exploring Window or File Manager , verify the existence of the following folders:
  - \nosc - contains the following files:
    - admin.exe
    - admin.pbd
    - nosc.exe
    - nosc.hlp
    - nosc.ini
    - nosc.pbd
    - opensrv.dat
    - opensrv.dll
    - opensrv.lib
    - sh20mon.exe
    - sh20w16.dll
  
  - \pbrt - contains the following files:
    - Db150w.dll            Dbt150w.dll
    - Dbwe50.dll           Pbbgr050.dll

Pbcmp050.dll	Pbdpb050.dll
Pbdse050.dll	Pbdwe050.dll
Pbhlp050.dll	Pbidbf50.dll
Pbitxt50.dll	Pbmss050.dll
Pbodb050.dll	Pbosc050.dll
Pboui050.dll	Pbroi050.dll
Pbrtc050.dll	Pbrte050.dll
Pbrtf050.dll	Pbshr050.dll
Pbsmi050.dll	Pbstr050.dll
Pbsyc050.dll	Pbtyp050.dll
Pvbx050.dll	Pbwsc050.dll
WI50en.dll	Wod50w.dll
Wtr50w.dll	

- B. Modifying the c:\nosc\nosc.ini file. Change the following to match the parameters in c:\noscbkup\nosc.ini
  1. SERVER\_NAME; i.e SYBASE\_MSFC
  2. DATABASE; i.e. MsfcNsmsPrd
  3. LOGINID; i.e. msfcnsms
  4. PASSWORD; i.e. ross01
- C. Modifying the c:\nosc\nosc.ini file. Change the following parameters to specify the site specific requirements.
  - BinQtyInd = enter 'Y' for centers that update quantity at bin level or 'N' for centers which do not update quantity at the bin level
  - Domain = enter default domain (ex. NS)
- D. Save the file, then EXIT
- E. Copy C:\Noscbkup\Opensrv.dat to C:\NOSC overlaying the existing file.

V. Execute Nosc using normal procedures.

#### VI. CLEANING UP AFTER INSTALLATION

Delete the following files/folders:

- \Nosc10
- \Noscbkup
- \Pbrtbkup

Call MSFC System Support, Yvonne Gulley (205) 544-1296 or Sylvia Battles (205) 544-8366 for installation assistance.