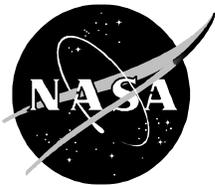


**VERSION DESCRIPTION DOCUMENT FOR THE NASA SUPPLY
MANAGEMENT SYSTEM (NSMS)**

Release 8.1.0

PrISMS Contract

August 2003



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

Marisa Wofford 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

August 2003

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1 INTRODUCTION

1.1 Identification of the Release

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

The release has an effective date of September 2, 2003. Support of the previous release expires on the implementation date of release. This release must be in Production on October 1, 2003.

1.2 Purpose of the Release

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

1.3 Scope of the Release

This release provides the functional and technical user of NSMS with changes to the contents and status of the application NSMS, Version 8.1.0, 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
The fax number is (256)544-1836.

2 FUNCTIONAL INFORMATION

2.1 FUNCTIONAL CHANGES

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

This release includes three CCRs (RC 1015, 1029 and 1032). RC 1015 includes the DLSC Update process. RC1029 and RC 1032 include changes required by Integrated Financial Management Program (IFMP).

1. Regulatory/Statutory 1620# - 1015

Per the NSMS VDD-13 dated March 28, 2002, Enhancement 8 - Add Change Delete Catalog Detail, Environmental Attribute Code (ENAC) Table Maintenance, add to the catalog a two character field (alpha/numeric) to load the code from the DOD table values. NSMS needs to be opened to receive updates from the monthly DLSC Simplified File Maintenance Monthly Update. DLSC should have the codes added to the monthly tape by October 2002.

ACTION - Open NSMS to receive updates from the Simplified File Maintenance Monthly Update from DLSC.

2. NASA Policy – IFMP Accounting Data Process 1620# - 1029

Earmarked funds need to be entered for reimbursable funds for commercial items. NSMS is currently not set up to handle the earmarked funds. Include changes for sending ISPRA, ISDRA with sequence number not equal 0 to IFMP in batch mode. Send ISDRB, ISPRB to IFMP in batch mode. Send ISDRA, ISPRA with sequence number equal 0 to IFMP online.

ACTION - Add the 2 fields to the files (ns-transaction) when issuing/reversing the issues and when processing turn-in for credit/turn-in for credit reversals. Pass the additional fields to IFMP in the online interface. Additional editing is required:

- 1) the fields are not required to be entered
- 2) if entered, both fields must be entered.
- 3) if wbs or network/activity are entered, these fields can not be entered.
- 4) if entered, wbs or network/active can not be entered
- 5) if entered the last position of the Fund has to be ' R'
- 6) if the last position of Fund is 'D', the 2 new fields can not be entered.

Include the transactions that NSMS does not send online but needed by IFMP in the outgoing batch process.

3. NASA Policy – IFMP Accounting Data Process 1620# - 1029

When a receipt has been suspended, then gets released, the conversion factor does not appear on the receipt transactions.

The outgoing process for IFM needs the conversion factor on all receipts.

ACTION - Change the IFMP outgoing process to send the conversion factor on receipts that were initially suspended. (NSPUIFOT).

2.2 FUNCTIONAL INTERFACES

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

2.3 CRITICAL ISSUES

No critical issues exist for this release.

2.4 AFFECTED DOCUMENTS

The only document affected by this release is the NSMS-UOG-10, NSMS User and Operations Guide (UOG) dated June 2003.

2.5 APPLICATION SYSTEM ADMINISTRATION

1. The record length and block size of the Outgoing File to IFMP must be increased by thirteen bytes. If your center is making a copy of the file being sent to IFMP as a generation data set, that record and block size must also be changed. The new record length is 236 and the new block size is 2360.

3 TECHNICAL INFORMATION

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

3.1 TECHNICAL SYSTEM INTERFACES

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

3.2 DATA DICTIONARY CHANGES

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

3.3 SOFTWARE OBJECT CHANGES

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

3.4 DATABASE ADMINISTRATION

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

3.4.1 Release Dataset Names

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

3.4.2 Inventory of Objects

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

3.4.3 Storage Considerations

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

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions for NSMS Software Release 8.1.0 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

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

4 KNOWN AND OPEN PROBLEMS

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

APPENDIX A

LIST OF ACRONYMS

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

APPENDIX B

GLOSSARY

This document has no terms to be defined.

APPENDIX C

FUNCTIONAL CHANGE VALIDATION PROCEDURES

1. Regulatory/Statutory 1620# - 1015

Per the NSMS VDD-13 dated March 28, 2002, Enhancement 8 - Add Change Delete Catalog Detail, Environmental Attribute Code (ENAC) Table Maintenance, add to the catalog a two character field (alpha/numeric) to load the code from the DOD table values. NSMS needs to be opened to receive updates from the monthly DLSC Simplified File Maintenance Monthly Update. DLSC should have the codes added to the monthly tape by October 2002.

ACTION - Open NSMS to receive updates from the Simplified File Maintenance Monthly Update from DLSC.

SPECIAL NOTES:

1. Using the Batch Job Maintenance (BATCHJOB) process, select Job ID 'DLSCUPD' – DLSC Update – Exception Report. Specify action 'C' (change) and press <enter> to modify the job records. Press <enter> again, then select the 'Work File' JCL to reveal the name of the work file dataset used by the DLSC update process. Make note of the name of the work file dataset. This work file dataset will be known as **DLSC_Input**.
2. Determine the following properties for **DLSC_Input**: Space units, Primary quantity, Secondary quantity, Record format, Record length and Block size.
3. Pre-allocate and catalog the following sequential dataset to contain test input. This dataset will be known as **DLSC_Test_Input**:
MSIRM.NSMSDD.DLSC.SFM.TEST

Space units:	Same as DLSC_Input .
Primary quantity:	Same as DLSC_Input .
Secondary quantity:	Same as DLSC_Input .
Record format:	Same as DLSC_Input .
Record length:	Same as DLSC_Input .
Block size:	Same as DLSC_Input .

4. Copy the **DLSC_Input** dataset to **DLSC_Test_Input**.

VALIDATION

Note: This validation tests the New NSPUDLSC DLSCUPD / Exception Rp (DLSCUPD) process. To protect the integrity of the catalog file in the unlikely event of a malfunction, make a backup of the catalog file prior to testing.

1. Using the Catalog Scan (CATSCAN) process, determine six National Stock Numbers (NSNs) which are not already on file. These NSNs will be

- known respectively as **Catalog1**, **Catalog2**, **Catalog3**, **Catalog4**, **Catalog5**, and **Catalog6**.
2. Using the ENAC Table Maintenance (ENAC) process, determine two valid Environmental Codes. These codes will be known as **ENAC1** and **ENAC2**. Determine one two-character code which is not on file. This code will be known as **Non-ENAC1**.
 3. Using the Add, Change, or Delete Catalog Detail (CATADCHG) process, create catalog records for **Catalog1**, **Catalog2**, **Catalog3**, **Catalog4**, **Catalog5**, and **Catalog6**, as follows:
 - For each catalog record created, specify Local-NSN value of 'N', DLSC-Status Value of 'A', FedMil-Unit-Price value other than \$5.00
 - For **Catalog1**, **Catalog2**, **Catalog3**, and **Catalog4**, specify ENAC value of **ENAC1**.
 - For **Catalog5** and **Catalog6**, specify ENAC value of blank.
 - On each record created, for the remaining non-required fields, enter a combination of blank and non-blank values, making note of the data values entered or left blank for each NSN.
 4. Edit the **DLSC_Test_Input** dataset created and cataloged above to include a group of Segment A, Segment E, Segment G, and Segment H records (see below for format) for **Catalog1**, **Catalog2**, **Catalog3**, **Catalog4**, and **Catalog5**, as follows, omitting all segment data records for **Catalog6**. If desired, the Segment A, Segment E, Segment G, and Segment H records may be copied and adapted from existing segment data records, subject to the following:
 - The record groups are to be placed in **DLSC_Test_Input** in ascending order according to National Item Identification Number (NIIN). Within each NIIN, the records are to be in ascending order according to NSN.
 - Within each respective NSN group, the records are to be in ascending order by Defense Logistics Information System (DLIS) Segment code: Segment A, Segment E, Segment G, and Segment H.
 - In the Segment H data record(s) for each respective NSN—**Catalog1**, **Catalog2**, **Catalog3**, **Catalog4**, and **Catalog5**—specify a Dollar Value, Unit-Price value of \$5.00.
 - For non-required fields, specify various combinations of blank and non-blank values, making note of the fields and data values entered for each NSN group.
 - Omit insertion of a Segment N data record for **Catalog1**.
 - Immediately following the Segment A data records for **Catalog2**, **Catalog3**, **Catalog4**, and **Catalog5**, insert Segment N data records (see below for format) specifying Environmental Attribute Code Occurrences value of '01' and ENAC values as follows:
 - For **Catalog2** and **Catalog3**, specify ENAC value of **ENAC2**.

- For **Catalog4**, specify ENAC value of **Non-ENAC1**.
 - For **Catalog5**, specify ENAC value of **ENAC1**.
5. Using the Batch Job Maintenance (BATCHJOB) process, select Job ID 'DLSCUPD' – DLSC Update – Exception Report. Specify action 'C' (change) and press <enter> to modify the job records. Press <enter> again, then select the 'Work File' JCL to modify the name of the work file used by the DLSC update process. Specify action 'C' (change) to change the Work File JCL from **DLSC_Input** to use **DLSC_Test_Input** as test input. Process to completion.
6. Using the New NSPUDLSC DLSCUPD / Exception Rp (DLSCUPD) process, specify Run-Type 'MON' to generate the Monthly DLSC Update – Exception Report. Submit the batch job. Process to completion. This process will create two reports:
- DLSC Items Requiring No Action – detailing the updates performed during the process and any instances where records in the DLSC input file had no qualified corresponding records in NSMS. Review the report verifying the exception for **Catalog4**: (ENAC Table Error), verify the updates to **Catalog1**, **Catalog2**, **Catalog3**, **Catalog4**, and **Catalog5**.
 - **Catalog1**: ENAC value of **ENAC1** has been updated to blank, FedMil Unit Price has been updated to \$5.00.
 - **Catalog2**: ENAC value of **ENAC1** has been updated to **ENAC2**, FedMil Unit Price has been updated to \$5.00.
 - **Catalog3**: ENAC value of **ENAC1** has been updated to **ENAC2**, FedMil Unit Price has been updated to \$5.00.
 - **Catalog4**: ENAC value of **ENAC1** remains unchanged, FedMil Unit Price has been updated to \$5.00.
 - **Catalog5**: ENAC value of blank has been updated to **ENAC1**, FedMil Unit Price has been updated to \$5.00.
 - **Catalog6** field values remain unchanged.
 - Note: any other instances where data elements were updated with DLSC values.
 - DLSC Exception Report – detailing any exceptions that occurred during the process. Note: the Monthly DLSC Exception Report does not report instances where qualified NSMS records had no corresponding records in the DLSC input file. Review the DLSC Exception Report verifying the following exception for **Catalog4**: ENAC Table Error. Note: any instances where elements did not match DLSC, but NSMS was not updated on **Catalog1**, **Catalog2**, **Catalog3**, **Catalog4**, and **Catalog5**.
7. Using the Catalog Scan (CATSCAN) process, verify the updates to **Catalog1**, **Catalog2**, **Catalog3**, **Catalog4**, and **Catalog5**.
- **Catalog1**: ENAC value of **ENAC1** has been updated to blank, FedMil Unit Price has been updated to \$5.00, Date-Updated value

- contains the current date.
 - **Catalog2**: ENAC value of **ENAC1** has been updated to **ENAC2**, FedMil Unit Price has been updated to \$5.00, Date-Updated value contains the current date.
 - **Catalog3**: ENAC value of **ENAC1** has been updated to **ENAC2**, FedMil Unit Price has been updated to \$5.00, Date-Updated value contains the current date.
 - **Catalog4**: ENAC value of **ENAC1** remains unchanged, FedMil Unit Price has been updated to \$5.00, Date-Updated value contains the current date.
 - **Catalog5**: ENAC value of blank has been updated to **ENAC1**, FedMil Unit Price has been updated to \$5.00, Date-Updated value contains the current date.
 - **Catalog6** field values remain unchanged.
 - Verify the instances noted in the previous step where data elements were updated with DLSC values.
8. Using the Add, Change, or Delete Catalog Detail (CATADCHG) process, modify the catalog records for **Catalog1**, **Catalog2**, **Catalog3**, **Catalog4**, and **Catalog5**, as follows:
- For **Catalog1**, **Catalog2**, and **Catalog3**: restore ENAC value of **ENAC1**, modify the FedMil-Unit-Price to a value other than \$5.00.
 - For **Catalog4**: leave ENAC value of **ENAC1** unchanged and modify the FedMil-Unit-Price to a value other than \$5.00.
 - For **Catalog5**: restore ENAC value of blank and modify the FedMil-Unit-Price to a value other than \$5.00.
 - On each record, **Catalog1**, **Catalog2**, **Catalog3**, **Catalog4**, and **Catalog5**, for the remaining non-required fields, specify a combination of blank, non-blank, and unchanged values, making note of the data fields and values blanked out, modified, or remaining unchanged for each NSN.
9. Using the New NSPUDLSC DLSCUPD / Exception Rp (DLSCUPD) process, specify Run-Type 'SEM' to generate the Semiannual DLSC Update – Exception Report. Submit the batch job. Process to completion. This process will create two reports:
- DLSC Items Requiring No Action – detailing the updates performed during the process and any instances where records in the DLSC input file had no qualified corresponding records in NSMS. Review the DLSC Items Requiring No Action report from the batch process. Verify the exception for **Catalog4**: (ENAC Table Error). Verify the following updates to **Catalog1**, **Catalog2**, **Catalog3**, and **Catalog4**:
 - **Catalog1**: ENAC value has been updated to blank, FedMil Unit Price has been updated to \$5.00.
 - **Catalog2**: **ENAC1** has been updated to **ENAC2**, FedMil Unit Price has been updated to \$5.00.

- **Catalog3: ENAC1** has been updated to **ENAC2**, FedMil Unit Price has been updated to \$5.00.
 - **Catalog4:** FedMil Unit Price has been updated to \$5.00.
 - Note any other instances where data elements were updated with DLSC values.
 - DLSC Exception Report – detailing any exceptions that occurred during the process and any instances where qualified NSMS records had no corresponding records in the semiannual DLSC input file. Review the DLSC Exception Report for the exception for **Catalog4:(ENAC Table Error)**. Verify the instances where elements did not match DLSC, but NSMS was not updated on **Catalog1, Catalog2, Catalog3, Catalog4, and Catalog5**.
10. Using the Catalog Scan (CATSCAN) process, verify the updates to **Catalog1, Catalog2, Catalog3, Catalog4, and Catalog5**.
11. Using the Batch Job Maintenance (BATCHJOB) process, select Job ID 'DLSCUPD' – DLSC Update – Exception Report. Specify action 'C' (change) and press <enter> to modify the job records. Press <enter> again, then select the 'Work File' JCL and restore the name of the work file dataset used by the DLSC update process back to its original value of **DLSC_Input**. Process to completion.

Segment A – Identification Data

Field Name	Start Pos	End Pos	Length	Format	Description
Defense Logistics Information System (DLIS) Segment Code	1	1	1	Alpha-numeric	Must be 'A'
Filler	2	4	3	Alpha-numeric	Value of spaces
National Stock Number	5	19	15	Alpha-numeric	Required field. Defined as follows:
Federal Supply Group (FSG)	5	6	2	Numeric	Two digits, no decimal. First digit cannot be zero
Federal Supply Class within FSG	7	8	2	Numeric	Two digits, no decimal.
Dash	9	9	1	Alpha-numeric	Value of '-'
National Codification Bureau Code	10	11	2	Alpha-numeric	Blanks not permitted.
Dash	12	12	1	Alpha-numeric	Value of '-'
Item Identification Number	13	19	7	Alpha-numeric	Blanks not permitted

Field Name	Start Pos	End Pos	Length	Format	Description
Filler	20	23	4	Alpha-numeric	Value of spaces
Criticality Code	24	24	1	Alpha-numeric	Not used in this test.
Filler	25	27	3	Alpha-numeric	Value of spaces
Guide Number, Federal Item Identification Guide (FIIG)	28	33	6	Alpha-numeric	Not used in this test.
Filler	34	37	4	Alpha-numeric	Value of spaces
Item Name Code	38	42	5	Alpha-numeric	Not used in this test.
Filler	43	46	4	Alpha-numeric	Value of spaces
Short Name or Non-Approved Item Name (NAIN)	47	65	19	Alpha-numeric	
Filler	66	77	12	Alpha-numeric	Value of spaces
Demilitarization Code (DMIL)	78	78	1	Alpha-numeric	
Filler	79	89	11	Alpha-numeric	Value of spaces
Hazardous Materials Indicator Code	90	90	1	Alpha-numeric	
Filler	91	93	3	Alpha-numeric	Value of spaces
Electrostatic Discharge Code	94	94	1	Alpha-numeric	
Filler	95	97	3	Alpha-numeric	Value of spaces
Precious Metals Indicator Code	98	98	1	Alpha-numeric	
Filler	99	101	3	Alpha-numeric	Value of spaces
Automatic Data Processing Equipment Code	102	102	1	Alpha-numeric	Not used in this test.

Field Name	Start Pos	End Pos	Length	Format	Description
Filler	103	130	28	Alpha-numeric	Value of spaces
			130		

Segment E – Standardization Decision Data

Field Name	Start Pos	End Pos	Length	Format	Description
DLIS Segment Code	1	1	1	Alpha-numeric	Must be 'E'
Filler	2	4	3	Alpha-numeric	Value of spaces
Item Standardization Code (ISC)	5	5	1	Alpha-numeric	
Filler	6	130	125	Alpha-numeric	Value of spaces
			130		

Segment G – Freight Classification Data

Field Name	Start Pos	End Pos	Length	Format	Description
DLIS Segment Code	1	1	1	Alpha-numeric	Must be 'G'
Filler	2	39	38	Alpha-numeric	Value of space
Hazardous Materiel Code	40	41	2	Alpha-numeric	
Filler	42	130	89	Alpha-numeric	Value of spaces
			130		

Segment H – Catalog Management Data

Field Name	Start Pos	End Pos	Length	Format	Description
DLIS Segment Code	1	1	1	Alpha-numeric	Must be 'H'
Filler	2	4	3	Alpha-numeric	Value of spaces
Assigned National Stock Number	5	19	15	Alpha-numeric	Required field (for this test). Must match Segment A NSN value. Defined as follows:
Assigned Federal Supply Group (FSG)	5	6	2	Numeric	Two digits, no decimal. First digit cannot be zero

Field Name	Start Pos	End Pos	Length	Format	Description
Assigned Federal Supply Class within FSG	7	8	2	Numeric	Two digits, no decimal.
Dash	9	9	1	Alpha-numeric	Value of '-'
National Codification Bureau Code	10	11	2	Alpha-numeric	Blanks not permitted.
Dash	12	12	1	Alpha-numeric	Value of '-'
Item Identification Number	13	19	7	Alpha-numeric	Blanks not permitted
Filler	20	20	1	Alpha-numeric	Value of space
Major Organizational Entity (MOE) Code	21	22	2	Alpha-numeric	Not used in this test.
Filler	23	23	1	Alpha-numeric	Value of space
Source of Supply (SOS) Code	24	26	3	Alpha-numeric	NSMS Supply Source
Filler	27	27	1	Alpha-numeric	Value of space
Date, Effective Logistics Action	28	32	5	Numeric	5-digit Julian date
Filler	33	33	1	Alpha-numeric	Value of space
Acquisition Advice Code (AAC)	34	34	1	Alpha-numeric	
Filler	35	35	1	Alpha-numeric	Value of space
Unit of Issue	36	37	2	Alpha-numeric	NSMS Unit of Order
Filler	38	38	1	Alpha-numeric	Value of space
Dollar Value, Unit Price	39	47	9	Numeric (7.2)	
Filler	48	48	1	Alpha-numeric	Value of space

Field Name	Start Pos	End Pos	Length	Format	Description
Quantity per Unit Pack (QUP) Code	49	49	1	Alpha-numeric	Value of blank or zero in this field causes substitute value of 1 to be processed for this code. Otherwise, Value of 'X', 'Y', or 'Z' causes this field not to be processed. Otherwise, this field value must be defined in the Unit Pack Code Table. Otherwise, values not defined in the Unit Pack Code Table will cause an exception to be generated.
Filler	50	50	1	Alpha-numeric	Value of space
Controlled Item Inventory Code (CIIC)	51	51	1	Alpha-numeric	NSMS Sensitive Code
Filler	52	52	1	Alpha-numeric	Value of space
Shelf Life Code	53	53	1	Alpha-numeric	
Filler	54	54	1	Alpha-numeric	Value of space
Repairability Code	55	55	1	Alpha-numeric	Value of 'Y', 'N', or blank.
Filler	56	56	1	Alpha-numeric	Value of space
Management Control Data	57	63	7	Alpha-numeric	Not used in this test.
Filler	64	69	6	Alpha-numeric	Value of spaces
Using Service Code	70	70	1	Alpha-numeric	Not used in this test.
Filler	71	71	1	Alpha-numeric	Value of space
Unit of Issue Conversion Factor	72	76	5	Numeric	5-Digit numeric value in this field coupled with blank Order of Use Code causes display of this field in the 'Factor/Qty-UP' column of the report.
Filler	77	97	21	Alpha-numeric	Value of spaces

Field Name	Start Pos	End Pos	Length	Format	Description
Phrase Code – Management Data List (1 st occurrence)	98	98	1	Alpha-numeric	Value of ‘K’ in this field causes display of Related NSN in the ‘Factor/Qty-Up’ column of the reports, unless overridden by blank Order of Use code coupled with 5-digit numeric Unit of Issue Conversion Factor.
Filler	99	99	1	Alpha-numeric	Value of space
Related NSN (1 st occurrence)	100	112	13	Alpha-numeric	Not used in this test.
Filler	113	120	8	Alpha-numeric	Value of space
I & S Order of Use Code (1 st occurrence)	121	123	3	Alpha-numeric	Blank value in this field coupled with 5-Digit numeric value in Unit of Issue Conversion Factor causes display of Unit of Issue Conversion Factor in the ‘Factor/Qty-UP’ column of the reports.
Filler	124	124	1	Alpha-numeric	Value of space
I & S Jump-to Code (First 2 Positions) (1 st occurrence)	125	126	2	Alpha-numeric	Not used in this test.
Filler	127	130	4	Alpha-numeric	Value of spaces
			130		

Segment N – Environmental Attribute Code Data

Note: When an NSMS catalog record contains an Environmental Attribute Code (ENAC) value, omission of the corresponding segment N data record will cause the ENAC value in the catalog record to be updated to blank.

Field Name	Start Pos	End Pos	Length	Format	Description
DLIS Segment Code	1	1	1	Alpha-numeric	Must be ‘N’
Filler	2	4	3	Alpha-numeric	Value of spaces
Environmental Attribute Code Occurrences	5	6	2	Numeric	
Filler	7	8	2	Alpha-numeric	Value of spaces

Field Name	Start Pos	End Pos	Length	Format	Description
Environmental Attribute Code (ENAC)	9	10	2	Alpha-numeric	When segment N data is present, this field value must be defined in the ENAC Table. Values not defined in the ENAC Table will cause an exception to be generated.
Filler	11	130	120	Alpha-numeric	Value of spaces
			130		

2. NASA Policy – IFMP Accounting Data Process 1620# - 1029

Earmarked funds need to be entered for reimbursable funds for commercial items. NSMS is currently not set up to handle the earmarked funds. Include changes for sending ISPra, ISDRa with sequence number not equal 0 to IFMP in batch mode. Send ISDRb, ISPRb to IFMP in batch mode. Send ISDRa, ISPra with sequence number equal 0 to IFMP online.

ACTION - Add the 2 fields to the files (ns-transaction) when issuing/reversing the issues and when processing turn-in for credit/turn-in for credit reversals. Pass the additional fields to IFMP in the online interface. Additional editing is required:

- 1) the fields are not required to be entered
- 2) if entered, both fields must be entered.
- 3) if wbs or network/activity are entered, these fields can not be entered.
- 4) if entered, wbs or network/active can not be entered
- 5) if entered the last position of the Fund has to be ' R'
- 6) if the last position of Fund is 'D', the 2 new fields can not be entered.

Include the issue due out release reversal transactions (ISDRR) that NSMS does not send online but needed by IFMP in the outgoing batch process. These transactions are created as the result of a reversal of a receipt and do not go through the NSMS core user exit.

SPECIAL NOTES:

The record length and block size of the outgoing file to IFMP must be increased by thirteen (13) bytes.

You will need valid IFMP accounting data for this test, including a Fund Code ending in 'R'.

Use the Monitor Transaction (MONTRANS) process to view the IFMP accounting data where applicable.

When performing this validation, make sure the remote host and port are pointing to the SIT environment of IFMP. If you need to verify those values, please call either Scott Neely or Pam Leak.

VALIDATION

1. Using the Catalog Scan (CATSCAN) process, select an active commercial and federal stock number. The commercial stock number will be known as **NSN1**. The federal stock number will be known as **NSN2**.
2. Using the Asset Scan (SCANASET) process, select an active store stock asset with quantity on hand for **NSN1** and **NSN2**.
3. Using the Create Issue Directive (ISSUEPRE) process, issue some quantity for **NSN1** and **NSN2**, leave some quantity on the assets. The transactions will be sent to IFMP on-line. Note the document numbers of the issues.
4. Using the Issue – Unit Pack Adjustment (PACKADJ) process, adjust the issues created in step 3. The transactions will be sent to IFMP on-line. Note the document numbers of the issue adjustments.
5. Using the Transaction Reversals (REVTRANS) process, reverse the unit pack adjustments created in step 4. The transactions will be sent to IFMP on-line.
6. Using the Transaction Reversals (REVTRANS) process, reverse the issues created in step 3. The transactions will be sent to IFMP on-line.
7. Using the Create Issue Directive (ISSUEPRE) process, issue some quantity for **NSN1** and **NSN2**, leave some quantity on the assets. The transactions will be sent to IFMP on-line. Note the document numbers of the issues.
8. Using the Issue – Unit Pack Adjustment (PACKADJ) process, adjust the issues created in step 7. The transactions will be sent to IFMP on-line. Note the document numbers of the issue adjustments.
9. Using the Transaction Reversals (REVTRANS) process, reverse the issues created in step 7. The transactions will be sent to IFMP on-line.
10. Using the Manual FED/MIL Order Entry (MANFED) process, add a due-in for **NSN2**.
11. Using the Manual Commercial Due-In (MANCOMDI) process, add a due-in for **NSN1**.
12. Using the Create Manual Due Out (MANUALDO) process, add a due-out for **NSN1** and **NSN2**.
13. Using the Receive Due-in Not Due-In (DINOTDI) process, receive quantity for **NSN1** and **NSN2**. Answer 'Y'es to release the due-outs. The due out release transactions will be sent to IFMP on-line. Note the document numbers of the transactions.
14. Using the Issue – Unit Pack Adjustment (PACKADJ) process, adjust the issue due out releases created in step 13. The transactions will be sent to IFMP on-line. Note the document numbers of the issue adjustments transactions (ISDRA) .
15. Using the Transaction Reversals (REVTRANS) process, reverse the issue due out release adjustments created in step 14. The transactions will be

- sent to IFMP on-line. Note the document numbers of the reversal transactions (ISDRB).
16. Using the Transaction Reversals (REVTRANS) process, reverse the issue due out release created in step 13. The transactions will be sent to IFMP on-line.
 17. Using the Transaction Reversals (REVTRANS) process, reverse the receipt transactions created in step 13. The receipt transactions will be sent to IFMP in the outgoing batch file. Note the document numbers of the reversal transactions (RCDIR) for **NSN2**.
 18. Using the Receive Due-in Not Due-In (DINOTDI) process, receive quantity for **NSN1** and **NSN2**. Answer 'Y'es to release the due-outs. The due out release transactions will be sent to IFMP on-line. Note the document numbers of the transactions.
 19. Using the Issue – Unit Pack Adjustment (PACKADJ) process, adjust the issue due out releases created in step 18. The transactions will be sent to IFMP on-line. Note the document numbers of the issue adjustments transactions (ISDRA).
 20. Using the Transaction Reversals (REVTRANS) process, reverse the issue due out release (ISDR) transactions created in step 18. The transactions (ISDRR) will be sent to IFMP on-line. Note the document numbers of the reversal transactions (ISDRB will be sent to IFMP in the outgoing batch file).
 21. Using the Receive Due-in Not Due-In (DINOTDI) process, receive quantity for **NSN1** and **NSN2**. Answer 'Y'es to release the due-outs. The due out release transactions will be sent to IFMP on-line. Note the document numbers of the transactions.
 22. Using the Issue – Unit Pack Adjustment (PACKADJ) process, adjust the issue due out releases created in step 21. The transactions will be sent to IFMP on-line. Note the document numbers of the issue adjustments transactions (ISDRA) .
 23. Using the Transaction Reversals (REVTRANS) process, reverse the issue due out release (ISDR) transactions created in step 21. The transactions (ISDRR) will be sent to IFMP on-line. Note the document numbers of the reversal transactions (ISDRB will go in the outgoing batch file to IFMP).
 24. Using the Transaction Reversals (REVTRANS) process, reverse the receipt transactions created in step 21. The receipt transactions will be sent to IFMP in the outgoing batch file. Note the document numbers of the reversal transactions (RCDIR) for **NSN2**.
 25. Using the Manual FED/MIL Order Entry (MANFED) process, add a due-in for **NSN2**.
 26. Using the Manual Commercial Due-In (MANCOMDI) process, add a due-in for **NSN1**. Enter a purchase order number.
 27. Using the Create Manual Due Out (MANUALDO) process, add multiple due-out transactions for **NSN1** and **NSN2**.

28. Using the Receive Due-in Not Due-In (DINOTDI) process, receive quantity for **NSN1** and **NSN2**. Answer 'Y'es to release the due-outs and 'Y'es to release the on-hand quantity. The due out release transactions will be sent to IFMP on-line. Note the document numbers of the transactions.
29. Using the Transaction Reversals (REVTRANS) process, reverse the receipt transactions created in step 28. The receipt and due out release reversal transactions will be sent to IFMP in the outgoing batch file. Note the document numbers of the transactions.
30. Submit the IFMP Outgoing process. Verify the transactions reflected on the report and on the outgoing file.
31. Using the Customer Requisition (CUSTREQR) process, process issues for several active store stock or standby stock assets with quantity. Note the document number of the issue transactions.
32. Using the Receive Turn-In for Credit/NoCredit (TURNIN) process, turn in one of the issues created in step 31.
33. Using the Transaction Reversals (REVTRANS) process, reverse the turn-in transaction created in step 32.
34. Using the Warehouse Denial Analysis processes, initiate an analysis for one of the issues created in step 31. Enter a quantity less than what was issued, add comments and approve the analysis. Process through all of the analysis steps, approving each step as you process.

4. NASA Policy – IFMP Outgoing Process 1620# - 1032

When a receipt has been suspended, then gets released, the conversion factor does not appear on the receipt transactions that are sent to IFMP. The outgoing process for IFM needs the conversion factor on all receipts.

ACTION - Change the IFMP outgoing process to send the conversion factor on receipts that were initially suspended.

SPECIAL NOTES:

You will need valid IFMP accounting data for this test. Use the Monitor Transaction (MONTRANS) process to view the IFMP accounting data where applicable. You will need to test the issues using the CICS environment.

VALIDATION

1. Using the Catalog Scan (CATSCAN) process, select an active federal stock number. This catalog record will be known as **NSN1**.
2. Using the Asset Scan (SCANASET) process, select an active store stock asset with quantity on hand for **NSN1**.
3. Using the Create Issue Directive (ISSUEPRE) process, issue some quantity for **NSN1**, leave some quantity on the asset. The transaction will be sent to IFMP on-line. Note the document numbers of the issue.

4. Using the Issue – Unit Pack Adjustment (PACKADJ) process, adjust the issue created in step 3. The transaction will be sent to IFMP on-line. Note the document number of the issue adjustment.
5. Using the Transaction Reversals (REVTRANS) process, reverse the unit pack adjustment created in step 4. The transaction will be sent to IFMP on-line.
6. Using the Transaction Reversals (REVTRANS) process, reverse the issue created in step 3. The transaction will be sent to IFMP on-line.
7. Using the Create Issue Directive (ISSUEPRE) process, issue some quantity for **NSN1**, leave some quantity on the asset. The transaction will be sent to IFMP on-line. Note the document number of the issue.
8. Using the Issue – Unit Pack Adjustment (PACKADJ) process, adjust the issue created in step 7. The transaction will be sent to IFMP on-line. Note the document number of the issue adjustment.
9. Using the Transaction Reversals (REVTRANS) process, reverse the issue created in step 7. The transaction will be sent to IFMP on-line.
10. Using the Manual FED/MIL Order Entry (MANFED) process, add a due-in for **NSN1**.
11. Using the Create Manual Due Out (MANUALDO) process, add a due-out for **NSN1**.
12. Using the Receive Due-in Not Due-In (DINOTDI) process, receive quantity for **NSN1**. Answer 'Y'es to release the due-outs. The due out release transaction will be sent to IFMP on-line. Note the document number of the transaction.
13. Using the Issue – Unit Pack Adjustment (PACKADJ) process, adjust the issue due out release created in step 12. The transaction will be sent to IFMP on-line. Note the document number of the issue adjustment transaction (ISDRA) .
14. Using the Transaction Reversals (REVTRANS) process, reverse the issue due out release adjustment created in step 13. The transaction will be sent to IFMP on-line. Note the document number of the reversal transaction (ISDRB).
15. Using the Transaction Reversals (REVTRANS) process, reverse the issue due out release created in step 12. The transaction will be sent to IFMP on-line.
16. Using the Transaction Reversals (REVTRANS) process, reverse the receipt transactions created in step 12. The receipt transaction will be sent to IFMP in the outgoing batch file. Note the document number of the reversal transaction (RCDIR) for **NSN1**.
17. Using the Receive Due-in Not Due-In (DINOTDI) process, receive quantity for **NSN1**. Answer 'Y'es to release the due-outs. The due out release transaction will be sent to IFMP on-line. Note the document number of the transaction.

18. Using the Issue – Unit Pack Adjustment (PACKADJ) process, adjust the issue due out release created in step 17. The transaction will be sent to IFMP on-line. Note the document numbers of the issue adjustment transaction (ISDRA).
19. Using the Transaction Reversals (REVTRANS) process, reverse the issue due out release (ISDR) transaction created in step 17. The transaction (ISDRR) will be sent to IFMP on-line. Note the document number of the reversal transaction (ISDRB will be sent to IFMP in the outgoing batch file).
20. Using the Receive Due-in Not Due-In (DINOTDI) process, receive quantity for **NSN1**. Answer 'Y'es to release the due-outs. The due out release transaction will be sent to IFMP on-line. Note the document number of the transaction.
21. Using the Issue – Unit Pack Adjustment (PACKADJ) process, adjust the issue due out releases created in step 20. The transaction will be sent to IFMP on-line. Note the document number of the issue adjustment transaction (ISDRA).
22. Using the Transaction Reversals (REVTRANS) process, reverse the issue due out release (ISDR) transaction created in step 20. The transaction (ISDRR) will be sent to IFMP on-line. Note the document number of the reversal transaction (ISDRB will go in the outgoing batch file to IFMP).
23. Using the Transaction Reversals (REVTRANS) process, reverse the receipt transaction created in step 20. The receipt transaction will be sent to IFMP in the outgoing batch file. Note the document number of the reversal transaction (RCDIR) for **NSN1**.
24. Using the Manual FED/MIL Order Entry (MANFED) process, add a due-in for **NSN1**.
25. Using the Create Manual Due Out (MANUALDO) process, add multiple due-out transactions for **NSN1**.
26. Using the Receive Due-in Not Due-In (DINOTDI) process, receive quantity for **NSN1**. Answer 'Y'es to release the due-outs and 'Y'es to release the on-hand quantity. The due out release transactions will be sent to IFMP on-line. Note the document numbers of the transactions.
27. Using the Transaction Reversals (REVTRANS) process, reverse the receipt transactions created in step 26. The receipt and due out release reversal transactions will be sent to IFMP in the outgoing batch file. Note the document numbers of the transactions.
28. Using the Customer Requisition (CUSTREQR) process, process issues for several active store stock or standby stock assets with quantity. Note the document number of the issue transactions.
29. Using the Receive Turn-In for Credit/NoCredit (TURNIN) process, turn in one of the issues created in step 28.
30. Using the Transaction Reversals (REVTRANS) process, reverse the turn-in transaction created in step 29.

31. Using the Warehouse Denial Analysis processes, initiate an analysis for one of the issues created in step 28. Enter a quantity less than what was issued, add comments and approve the analysis. Process through all of the analysis steps, approving each step as you process.
32. Using the Inventory Adjustment (INVADJST) process, increase the quantity for **NSN1**. Note the document number of the transaction.
33. Using the Create Suspended Excess (DISPAST) Transaction process, create a suspended excess transaction for **NSN1**.
34. Using the Create Npdms Interface (NPDMSINT) process, submit the batch job.
35. At the 'NEXT' prompt, enter the ad hoc, NSNPDMS2, and the document number of the newly created 'AXSS' transaction (this will change the record to type '2'). Process to completion.
36. At the 'NEXT' prompt, enter the ad hoc, NSNPDMS4, and the document number of the newly created 'AXSS' transaction. Enter the exact quantity of the 'AXSS'. Process to completion.
37. Using the Create Excess Disposal Transaction (NPDMSUPD) process, submit the batch job.
38. Using the Manual FED/MIL Order Entry (MANFED) process, add a due-in for **NSN1**.
39. Using the Create Manual Due Out (MANUALDO) process, add a due-out for **NSN1**.
40. Using the Receive Due-in Not Due-In (DINOTDI) process, suspend the quantity for **NSN1**. Note the document number of the transaction.
41. Using the Suspended Receipts Browse Select (BROWSRCT) process, release the suspended receipt created in step 40.
42. Using the Transaction Adjustment (TRANSADJ) process, adjust the receipt created in step 41.
43. Submit the IFMP Outgoing process. Verify the transactions reflected on the report and on the outgoing file. Verify the receipt transactions on the outgoing file include the conversion-factor (columns 115 through 128).

APPENDIX D

INSTALLATION INSTRUCTIONS AND CHECKLIST

Introduction

Release information:

System Name: NSMS
Release Number: 8.1.0
Release Date: September 2, 2003
Effective Date: Immediately

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

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

***** IMPORTANT NOTE *****

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

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

xxMOV.NSMS.PROD.R810.R0903.PRD
MSMOV.NSMS.PROD.R810.R0803.SRC

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

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

Installation Sequence

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

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

1. Backup Existing Data

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

2. Copy Source

2.1 Load Source Code

Did you backup your Natural software libraries?

Load the NSMS source modifications from the dataset MSMOV.NSMS.PROD.R810.R0903.SRC. The source programs were unloaded using the Natural utility NATUNLD. Using NATLOAD, the programs should be loaded to the application libraries named AGNSDEVL, AGNSTEST, and/or AGNSPROD, replacing any existing programs of the same name. The AGNSLIST libraries should also be loaded with the released modules.

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

Natural Source Modules by Type	
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	33
MAPS	3
HELP ROUTINES	0
SUBROUTINES	9

SUBPROGRAMS	0
PROGRAMS	23
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	68

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules

There are no new modules in this release.

Changed Modules

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
NSDLDLS2	DLSC Update LDA	LDA	1015
NSPUDLSC	DLSC Update Process	PGM	1015
NSMPINIT	Initialization	MAP	
NFDLPRET	IFM User Exit	LDA	1029
NFSRPRET	IFM User Exit	SUB	1029
NSDLAADD	Due Out Adjustment	LDA	1029
NSDLAJST	Due-In/Due-Out Adjustment	LDA	1029
NSDLARDO	Release Due Out	LDA	1029
NSDLDABK	Display Back Fill Adjustment Trans	LDA	1029
NSDLDADO	Display Due Out Adjustment Trans	LDA	1029
NSDLDDFA	Display Due In Federal Adjustment	LDA	1029
NSDLDDIC	Display Due-In Open Quantity Adj.	LDA	1029
NSDLDDIF	Display Fed/Mil Due-In Transaction	LDA	1029
NSDLDD01	Display Warehouse Denial	LDA	1029
NSDLDIBK	Display Back Fill Transaction	LDA	1029
NSDLDIBL	Display Blanket Receipt Issue	LDA	1029
NSDLDIDO	Display Due Out	LDA	1029
NSDLDIHC	Display Hazardous Chemical Issue	LDA	1029
NSDLDIWP	Display Wash Post	LDA	1029
NSDLDREF	Display Return Fed	LDA	1029
NSDLDSPL	Display Trans. Options	LDA	1029
NSDLDXCS	Display Excessed Assets	LDA	1029
NSDLIFM1	IFM User Exit	LDA	1029
NSDLIFOT	Outgoing IFMP file	LDA	1029
NSDLISPR	Create Issue Directive	LDA	1029
NSDLISPX	Create Issue Directive	LDA	1029
NSDLISRQ	Customer Requisition	LDA	1029
NSDLISST	Suspend Trans	LDA	1029
NSDLREQR	Customer Requisition	LDA	1029
NSDLREVS	Reverse Transaction	LDA	1029
NSDLRIPR	Issue Reversal	LDA	1029
NSDLRRDO	Issue Reversal	LDA	1029
NSDLWD0A	Warehouse Denial	LDA	1029
NSDLWD01	Warehouse Denial	LDA	1029
NSDPISRQ	Customer Requisition	PARM	1029
NSDPISR2	Customer Requisition	PARM	1029
NSMPDIFM	Display IFMP Account Data	MAP	1029
NSMPIFMP	IFMP Accounting Data	MAP	1029
NSPTARDO	Release Due-Out	PGM	1029

NSPTDABK	Display Back Fill Adjustment Trans	PGM	1029
NSPTDADO	Display Due Out Adjustment Trans	PGM	1029
NSPTDDFA	Display Due In Federal Adjustment	PGM	1029
NSPTDDIC	Display Due-In Open Quantity Adj.	PGM	1029
NSPTDDIF	Display FedMil Due-In Transaction	PGM	1029
NSPTDD01	Display Warehouse Denial	PGM	1029
NSPTDIBK	Display Back Fill Transaction	PGM	1029
NSPTDIBL	Display Blanket Receipt Issue	PGM	1029
NSPTDIDO	Display Due Out	PGM	1029
NSPTDIHC	Display Hazardous Chemical Issue	PGM	1029
NSPTDIWP	Display Wash Post	PGM	1029
NSPTDREF	Display Return Fed	PGM	1029
NSPTDXCS	Display Excess	PGM	1029
NSPTISPR	Create Issue Directive	PGM	1029
NSPTREQR	Customer Requisition	PGM	1029
NSPTREVS	Reverse Transaction	PGM	1029
NSPTRRDO	Reverse Due-Out Release	PGM	1029
NSPTWD0A	Warehouse denial analysis	PGM	1029
NSPTWD01	Create warehouse denials	PGM	1029
NSPUIFOT	Outgoing IFMP file	PGM	1029
NSSFRIPR	Issue Reversal	PGM	1029
NSSRAADO	Due Out Adjustment	SUB	1029
NSSRAJST	Due-In/Due-Out Adjustment	SUB	1029
NSSRDIFM	Display IFMP Account Data	SUB	1029
NSSRDSPL	Display Trans. Options	SUB	1029
NSSREROR	Error Routine	SUB	1029
NSSRIFMX	IFMP – Accounting Data	SUB	1029
NSSRISRQ	Customer Requisition	SUB	1029
NSSRISST	Suspend Trans	SUB	1029
NSPUIFOT	Outgoing IFMP file	PGM	1032

Deleted Modules

There are no modules to be deleted in this release.

3.0 Pre-Predict Data Conversion

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

4.0 Install Predict

4.1 Data Dictionary Changes

This release will include the new enhancements for version 8.1.0. Details for changes in this release can be found under paragraph 4.1.3 Physical File Changes or by performing PREDICT reporting on the keyword NSMS-8.1.0.

Use SYSDICBE to load the PREDICT modifications from the dataset xxMOV.NSMS.PROD.R810.R0903.PRD.

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

NS-TRANSACTION

4.1.1 Inventory of Objects

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

PREDICT Objects by Type:

Keyword	-	1
Standard Files	-	1
Conceptual Files	-	1
ADABAS Files and Views	-	30

4.1.2 Storage Considerations

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

4.1.3 Physical File Changes

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

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

Add the following fields:

```

NS-TRANSACTION-FILE                               File # 182
  Ty L Field ID                                     F Length Occ D U DB S
  * - - - - - * - - - - - * - - - - - * * * * *
    1 IFM-EARMRK-DOC-NMBR                           N   10.0      HO N
    1 IFM-EARMRK-LINE-NMBR                          N    3.0      HP N
  
```

Using the following commands:

```
//DDKARTE DD *
```

```
ADADBS NEWFIELD FILE=182  
ADADBS FNDEF='01,HO,10,U,NU'  
ADADBS FNDEF='01,HP,3,U,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 parameters.

6.0 Post-Predict Data Conversion

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

7.0 Load Natural Error Messages

There are no Natural error messages for this release.

8.0 Perform Release-Specific Procedures

There are no release specific procedures for this release.

9.0 Local JCL Mods

There are no local JCL mods for this release.

10.0 Installation Checklist

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