

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

Release 7.0.0

PrISMS Contract

June 2002



National Aeronautics and  
Space Administration

**George C. Marshall Space Flight Center**  
Huntsville, AL 35812

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

Approved by

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
GEORGE C. MARSHALL SPACE FLIGHT CENTER  
HUNTSVILLE, ALABAMA

June 2002

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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 7.0.0.

The release has an effective date of June 28, 2002. Support of the previous release expires on the implementation date of release 7.0.0.

### **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 7.0.0, 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 the necessary modules to incorporate RC 1006 approved by the CCB.

**When this release is installed in Production, set the IFM System Installed field to No (N). When your center goes Production with the Integrated Financial Management Program (IFMP), then the IFM System Installed field should be changed to Yes (Y).**

#### **1. NASA Policy – Detail Design, Code, Unit Test and System Test of the interfaces with IFMP. 1620# - 1006**

Provide the necessary processes for interfacing with IFMP, both batch and on-line.

**ACTION** – Make necessary changes to interface with IFMP.

## **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**

When this release is installed in Production, set the IFM System Installed field to No (N). When your center goes Production with the Integrated Financial Management Program (IFMP), then the IFM System Installed field should be changed to Yes (Y).

## **2.4 AFFECTED DOCUMENTS**

The only document affected by this release is the NSMS-UOG-10, NSMS User and Operations Guide (UOG) dated March 2002.

## 2.5 APPLICATION SYSTEM ADMINISTRATION

### Enhancement 1006

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

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

Enter: Command name: IFMPIN  
Type: IFMP  
Title: IFMP INCOMING INTERFACE  
Secured: N  
Function: blank  
Comment: N

2. Add the IFMP Outgoing Interface to the On-Line Tasks Maintenance (TASKS) in the NS domain with:

Function: A  
Task Type: P  
Task Id: NSPTIFOT  
Press <enter>

Enter: Command Name: IFMPOUT  
Type: IFMP  
Title: IFMP Outgoing Interface  
Secured: N  
Function: blank  
Comment: N

3. Add the Release Suspended Due-In/Due-Out Trans. to the Online Tasks Maintenance (TASKS) in the NS domain with:

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

Enter: Command name: RELDISUS  
Type: IFMP  
Title: Release Suspended DIDFS TxS

Secured: N  
Function: blank  
Comment: N

4. Add the IFMP Incoming Interface to the Batch Task Maintenance (BATCHTSK) in the NS domain with:

Action: A  
Task ID: NSPUFMIC  
Task name: IFMP INCOMING INTERFACE  
Parameter Input Module: (leave blank)  
Number of work files: 1  
Reports Info:  
  Id: NSRBFMIC  
  Name: IFMP INCOMING INTERFACE  
  File-No: 1

5. Add the IFMP Outgoing Interface to the Batch Task Maintenance (BATCHTSK) in the NS domain with:

Action: A  
Task Id: NSPUIFOT  
Task Name: IFMP Outgoing Interface  
Parameter Input Module: (leave blank)  
Number of work files: 1  
Reports Info:  
  Id: NSRBIFOT  
  Name: IFMP Outgoing Interface Rpt.  
  File-No: 1

6. Add the IFMP Incoming Interface to the Batch Job Maintenance (BATCHJOB) in the NS domain with:

Job ID: IFMPIN  
Job Name: IFMP INCOMING INTERFACE  
Type of scheduling: U (User Initiated)  
Type of submission: I (Immediate)  
Task ID: NSPUFMIC

Specify Copies, Output Type, and Output Option data for:

Report ID: NSRBFMIC  
Report Name: IFMP INCOMING INTERFACE  
File No: 1

Add the workfile:

//CMWKF01 DD  
DSN=CENTERHLQ.IFMZZ.FEDMIL.ZZ99,DISP=(OLD,KEEP)

IFMP EAI middleware will transmit the CENTERHLQ.IFMZZ.FEDMIL.XX99 (see Center Name Abbreviation Table) file via FTP. For testing, the LPARs for production will be center-specific. The ZZ is designated as PP for production and PT for test. For example, IFMPP for production and IFMPT for test, CENTERHLQ will be replaced by center specific high level qualifiers dictated by center standards and security (e.g. RACF). This will be finalized prior to each center's implementation.

**Center Name Abbreviation Table**

Headquarters	HQ10
Ames	AM21
Glenn	GL22
Langley	LA23
Dryden	DR24
Goddard	GO51
Marshall	MA62
Stennis	ST64
Johnson	JO72
Kennedy	KE75

7. Add the IFMP Outgoing Interface to the Batch Job Maintenance (BATCHJOB) in the NS domain with:

Job Id: IFMPOUT  
Job Name: IFMP Outgoing Interface  
Type Of Schedule: U  
Type Of Submission: I  
Task Id: NSPUIFOT

Specify Copies, Output Type, and Output Option data for:

Report ID: NSRBIFOT  
Report Name: IFMP OUTGOING INTERFACE  
File No: 1

Add the workfile:

```
//CMWKF01 DD DSN=CENTERHLQ.IFMZZ.NSMSSAP.XX99,
// DISP=(OLD,KEEP)
```

**Layout of CENTERHLQ.IFMZZ.NSMSSAP.XX99** (XX represents 2 alphabetic center ID; 99 represents the 2 numeric center ID (see Center Name Abbreviation Table). The ZZ is designated as PP for

production and PT for test. For example, IFMPP for production and IFMPT for test. CENTERHLQ will be replaced by center specific high level qualifiers dictated by center standards and security (e.g. RACF). This will be finalized prior to each center's implementation.

**Center Name Abbreviation Table**

Headquarters	HQ10
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Goddard	GO51
Marshall	MA62
Stennis	ST64
Johnson	JO72
Kennedy	KE75

8. Using the File-Aid(F) application from the ISPF Main Menu, select the Utilities sub-menu (primary option 3) Dataset extended utility (sub-option 2) and specify 'Allocate SEQ/PDS Dataset' (option A) to pre-allocate and catalog the CENTERHLQ.IFMZZ.NSMSSAP.XX99 dataset referenced above.

Record Format: FB  
Record Length: 223  
Block Size: 2230  
Space Units:  
Primary Quantity:  
Secondary Quantity:

9. Using the Online Tasks Maintenance (TASKS) process, add a menu for IFMP.

FUNCTION: A  
Task Type: M  
Task ID: NSMNIFMP

Enter IFMP as the command name, type and title as below:

COMMAND NAME: IFMP  
TYPE: IFMP  
TITLE: IFMP  
STATUS: \_  
SECURED: N (Y/N) FUNCTION: \_

COMMENT: N (Y/N)

Press <enter> to receive the selection screen.  
Select NSPTFMIC, NSPTIFOT, NSPTDISU to be added to the IFMP menu. Enter a period (.) to display the processes selected. Pressing

<enter> will return to the main Task screen.

10. Using the Online Tasks Maintenance (TASKS) process, modify the MAIN menu

```
FUNCTION:    M
Task Type:   M
Task ID:     NSMNMAIN
```

Press <enter> until you get to the screen that displays the processes listed on the Main Menu. Type **Add** at the command line and press <enter>. Select the IFMP menu to be added. Press <enter>. Enter a period (.) to complete the process.

11. 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 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 7.0.0 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

#### 2. NASA Policy – Detail Design, Code, Unit Test and System Test of the interfaces with IFMP. 1620# - 1006

Provide the necessary processes for interfacing with IFMP, both batch and on-line.

**ACTION** – Make necessary changes to interface with IFMP.

**VALIDATION** – There are no test scripts provided since some of the changes made require interfacing with IFMP. Testing the interfaces should be coordinated with IFMP.

## APPENDIX D

### INSTALLATION INSTRUCTIONS AND CHECKLIST

#### Introduction

Release information:

System Name: NSMS  
Release Number: 7.0.0  
Release Date: June 2002  
Effective Date: Immediately

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

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

**\*\*\* 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.R700.R0602.PRD  
xxMOV.NSMS.R700.R0602.SRC

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

AR – ARC  
DF - DFRC  
GS - GSFC  
HQ - HQ  
J5 – JSC  
KS - KSC  
LA – LaRC  
LE – GRC (Glenn)  
MS - MSFC  
SS - SSC

## Installation Sequence

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

- 1.0 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
- 8.0 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 xxMOV.NSMS.R700.R0602.SRC. The source programs were unloaded using the Natural utility NATUNLD. Using NATLOAD, the programs will be loaded to the application library named NSMS, replacing any existing programs of the same name.

It is recommended that you temporarily load the source modifications to an empty library named NSMS. Verify the modules loaded (output from the batch NATLOAD job) against the VDD list of source code modifications. Then using SYSMAN, MOVE the released source code from the library NSMS to either the test or production libraries. The NSMS library should now be empty, ensuring all released software is now in the test or production library.

If your test or production library is named NSMS, you can load the released source code directly into these libraries, if you choose. Verify the modules loaded (output from the batch NATLOAD job) against the VDD list of source code modifications.

When installing this release into production, repeat the above procedures. It is not recommended to copy released modules from test to production. Some modules may be missed or object code may accidentally be copied along with source code. Except in the case of Command Processors (not applicable to most SESAAS applications) **cataloged object code should never be copied from one library to another**. This can cause GDA timestamp errors, or worse, can cause production code to update and corrupt test data, or vice versa. Load only source code and then catalog it to generate the proper version of the cataloged Object code.

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

<b>Natural Source Modules by Type</b>	
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	40
MAPS	17
HELP ROUTINES	0
SUBROUTINES	15
SUBPROGRAMS	0
PROGRAMS	32
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
<b>Total:</b>	<b>104</b>

## 2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

### Added Modules

<b>MODULE ID</b>	<b>MODULE NAME</b>	<b>TYPE</b>	<b>CCR#</b>
NSDLDIS1	Release Suspended Due-In/Due-Out	LDA	1006
NSDLDIS2	Release Suspended Due-In/Due-Out	LDA	1006
NSDLDIS3	Release Suspended Due-In/Due-Out	LDA	1006
NSDLDISU	Release Suspended Due-In/Due-Out	LDA	1006
NSDLFMIC	IFMP Incoming Batch Interface	LDA	1006

NSDLIFIS	IFMP Incoming Batch Interface	LDA	1006
NSMFIFMI	IFMP Incoming Batch Interface	MAP	1006
NSMHDIS3	Release Suspended Due-In/Due-Out	MAP	1006
NSMHDISU	Release Suspended Due-In/Due-Out	MAP	1006
NSMPDIS3	Release Suspended Due-In/Due-Out	MAP	1006
NSMPDISU	Release Suspended Due-In/Due-Out	MAP	1006
NSPTDISU	Release Suspended Due-In/Due-Out	PGM	1006
NSPTFMIC	IFMP Incoming Batch Interface	PGM	1006
NSPUFMIC	IFMP Incoming Batch Interface	PGM	1006
NSSRDIS1	Release Suspended Due-In/Due-Out	SUB	1006
NSSRDIS2	Release Suspended Due-In/Due-Out	SUB	1006
NSSRDIS3	Release Suspended Due-In/Due-Out	SUB	1006
NSSRFIS	IFMP Incoming Batch Interface	SUB	1006
NFDLPRET	Call to IFMP (SAP)	LDA	1006
NFSRPRET	Call to IFMP (SAP)	SUB	1006

### Changed Modules

<b><u>MODULE ID</u></b>	<b><u>MODULE NAME</u></b>	<b><u>TYPE</u></b>	<b><u>CCR#</u></b>
NSMPINIT	Initialization	MAP	
NSDLATRN	Transfer Asset	LDA	1006
NSDLCNSN	Change NSN	LDA	1006
NSDLCONT	Consolidate Assets	LDA	1006
NSPTCONA	Consolidate Assets	PGM	1006
NSDLDABK	Display Back Fill Adjustment Trans.	LDA	1006
NSDLDADO	Display Due Out Adjustment Trans	LDA	1006
NSDLDD01	Display Warehouse Denial	LDA	1006
NSDLDDFA	Display Due In Federal Adjustment	LDA	1006
NSDLDDIC	Display Due-In Open Quantity Adj.	LDA	1006
NSDLDDIF	Display Fed/Mil Due-In Transaction	LDA	1006
NSDLDIBK	Display Back Fill Transaction	LDA	1006
NSDLDIBL	Display Blanket Receipt Issue	LDA	1006
NSDLDIDO	Display Due Out	LDA	1006
NSDLDIHC	Display Hazardous Chemical Issue	LDA	1006
NSDLDIWP	Display Wash Post	LDA	1006
NSDLDREF	Display Return Fed	LDA	1006
NSDLDSPL	Display Trans. Options	LDA	1006
NSDLDXCS	Display Excessed Assets	LDA	1006
NSDLEXT2	Create Excess Disposal Trans	LDA	1006
NSDLIFM1	IFMP – Accounting Data	LDA	1006
NSDLIFMX	IFMP – Accounting Data	Parm	1006
NSDLIFO1	Outgoing IFMP file	LDA	1006
NSDLIFOT	Outgoing IFMP file	LDA	1006
NSDLISPR	Create Issue Directive	LDA	1006
NSDLISST	Create Issue Directive	LDA	1006
NSDLISUS	Suspense Release	LDA	1006
NSDLRAD1	Transaction Adjustment	LDA	1006
NSDLRCON	Consolidation Reversal	LDA	1006
NSDLRRDO	Reverse Due Out Release	LDA	1006
NSDLTPRM	Site Parameter Table	LDA	1006
NSDLUEX1	User Exit	LDA	1006
NSMFIFO1	Outgoing IFMP	MAP	1006

NSMFIFO2	Outgoing IFMP	MAP	1006
NSMFIFOT	Outgoing IFMP	MAP	1006
NSMPDDIF	Display FedMil Due-In Transaction	MAP	1006
NSMPDIDO	Display Due Out	MAP	1006
NSMPIFME	Errors Returned from IFMP	MAP	1006
NSMPIFMP	IFMP – Accounting Data	MAP	1006
NSMPTPR4	Site Parameter	MAP	1006
NSPTATRN	Transfer Assets	PGM	1006
NSPTCNSN	Change NSN	PGM	1006
NSPTDABK	Display Back Fill Adjustment Trans	PGM	1006
NSPTDADO	Display Due Out Adjustment Trans	PGM	1006
NSPTDD01	Display Warehouse Denial	PGM	1006
NSPTDDFA	Display Due In Federal Adjustment	PGM	1006
NSPTDDIC	Display Due-In Open Quantity Adj.	PGM	1006
NSPTDDIF	Display FedMil Due-In Transaction	PGM	1006
NSPTDIBK	Display Back Fill Transaction	PGM	1006
NSPTDIBL	Display Blanket Receipt Issue	PGM	1006
NSPTDIDO	Display Due Out	PGM	1006
NSPTDIHC	Display Hazardous Chemical Issue	PGM	1006
NSPTDIWP	Display Wash Post	PGM	1006
NSPTDREF	Display Return Fed	PGM	1006
NSPTDXCS	Display Excessed Assets	PGM	1006
NSPTIFOT	Outgoing IFMP file	PGM	1006
NSPTISPR	Create Issue Directive	PGM	1006
NSPTISUS	Suspense Release	PGM	1006
NSPTRCON	Consolidation Reversal	PGM	1006
NSDLREVS	Transaction Reversal	LDA	1006
NSPTREVS	Transaction Reversal	PGM	1006
NSPTRRDO	Reverse Due Out Release	PGM	1006
NSPTTPRM	Site Parameter Table	PGM	1006
NSPUEXT2	Create Excess Disposal Trans	PGM	1006
NSPUIFOT	Outgoing IFMP file	PGM	1006
NSSRCDIC	Commercial Order Demand Items	SUB	1006
NSSRDIFM	Display IFMP Account Data	SUB	1006
NSSRDSPL	Display Trans. Options	SUB	1006
NSSRFMDI	Federal Demand	SUB	1006
NSDLFMDI	Federal Demand	LDA	1006
NSSRIFMX	IFMP – Accounting Data	SUB	1006
NSSRIFOT	Outgoing IFMP file	SUB	1006
NSSRISST	Create Issue Directive	SUB	1006
NSDLRADJ	Transaction Adjustment	LDA	1006
NSSRRADJ	Transaction Adjustment	SUB	1006
NSSRUEX1	User Exit	SUB	1006
NSMPCB52	Change Trace	MAP	1006
NSSRCB52	Change Trace	SUB	1006
NSMPDIFM	Display IFM Account Data	MAP	1006
NSMPINQ1	Asset Inquiry	MAP	1006
NSPTARDO	Release Due-Out	PGM	1006
NSPTRADJ	Release Due-Out Reversal	PGM	1006
NSSFRIPP	Post Post Issue Reversal	PGM	1006
NSSFRIPR	Create Issue Directive Reversal	PGM	1006

## 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

Did you backup your NSMS files?

This release will include the new enhancements for version 7.0.0. 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-7.0.0.

Use SYSDICBE to load the PREDICT modifications from the dataset xxMOV.NSMS.R700.R0602.PRD.

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

NS-TABLES  
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	-	31

### 4.1.2 Storage Considerations

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

### 4.1.3 Physical File Changes

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

Add the following fields:

NS-TABLES-FILE		File # 181							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*	-	-----	*	-----	-----	*	*	--	*
1		IFM-INSTLTN-NMBR	N	4.0				GH	N
1		IFM-STK-OWNERSHIP-ID	A	2.0				GI	N
1		IFM-INSTLTN-NAME	A	4.0				GJ	N
1		IFM-MUXAPI-REMOTE-HOST-ID	A	24.0				GK	N
1		IFM-COST-CNTR-FEDMIL-ID	A	10.0				GL	N
1		IFM-COST-ELMNT-ID	A	10.0				GM	N
1		IFM-FUND-CODE	A	10.0				GN	N
1		IFM-INTRNL-ORDER-ID	A	12.0				GO	N
1		IFM-MTRL-GROUP-ID	A	9.0				GP	N
1		IFM-COST-CNTR-ADJST-ID	A	10.0				GQ	N
1		IFM-FUND-CNTR-ID	A	16.0				GR	N
1		IFM-MUXAPI-REMOTE-PORT-ID	N	8.0				GS	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=181
ADADBS FNDEF='01,GH,4,U,NU'
ADADBS FNDEF='01,GI,2,A,NU'
ADADBS FNDEF='01,GJ,4,A,NU'
ADADBS FNDEF='01,GK,24,A,NU'
ADADBS FNDEF='01,GL,10,A,NU'
ADADBS FNDEF='01,GM,10,A,NU'
ADADBS FNDEF='01,GN,10,A,NU'
ADADBS FNDEF='01,GO,12,A,NU'
ADADBS FNDEF='01,GP,9,A,NU'
ADADBS FNDEF='01,GQ,10,A,NU'
ADADBS FNDEF='01,GR,16,A,NU'
ADADBS FNDEF='01,GS,8,U,NU'
/*
```

Add the following fields:

NS-TRANSACTION-FILE		File # 182							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*	-----	-----	*	*	--	*
1		IFM-COST-CNTR-ID	A	10.0				HE	N
1		IFM-COST-ELMNT-ID	A	10.0				HF	N
1		IFM-FUND-CODE	A	10.0				HG	N
1		IFM-INTRNL-ORDER-ID	A	12.0				HH	N
1		IFM-MTRL-GROUP-ID	A	9.0				HI	N
1		IFM-INSTLTN-NMBR	N	4.0				HJ	N
1		OBJECT-CLASS	N	4.0				HV	N
1		IFM-FUND-CNTR-ID	A	16.0				HW	N
1		IFM-ACTVTY-ID	A	4.0				HK	N
1		IFM-NTWRK-ID	A	12.0				HL	N
1		IFM-PRJCT-WBS-ID	A	24.0				HM	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=182
ADADBS FNDEF='01,HE,10,A,NU'
ADADBS FNDEF='01,HF,10,A,NU'
ADADBS FNDEF='01,HG,10,A,NU'
ADADBS FNDEF='01,HH,12,A,NU'
ADADBS FNDEF='01,HI,9,A,NU'
ADADBS FNDEF='01,HJ,4,U,NU'
ADADBS FNDEF='01,HV,4,U,NU'
ADADBS FNDEF='01,HW,16,A,NU'
ADADBS FNDEF='01,HK,4,A,NU'
ADADBS FNDEF='01,HL,12,A,NU'
ADADBS FNDEF='01,HM,24,A,NU'
/*
```

## 5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all modules in the NSMS or other named library. It **IS NOT NECESSARY** to catalog the Global Data Area. The NASA Batch standard parameters should be used for the compile.

After all objects are compiled, the NSMS application will run under the NASA On-line standard 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