

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

Release 7.0.1

PrISMS Contract

July 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
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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 7.0.1.

The release has an effective date of July 25, 2002. Support of the previous release expires on the implementation date of release 7.0.1.

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 7.0.1, 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 two CCRs (1010, 1012, and 1013) for Integrated Financial Management Program (IFMP). No validation script is included for these two CCRs, it should be coordinated with your IFMP personnel.

1. NASA Policy– The potential exists for erroneous data (source document number) to be entered by an NSMS user and passed to IFMP 1620# - 1010

An NSMS user may enter an IFMP purchase request as the source document number when requesting an item for issue. The format of the IFMP PR number is "GE 42nnnnnnnnnnnn". When the IFMP formatted PR (source document number) is edited in NSMS, NSMS requires no additional accounting data to be entered. Although this is an unlikely condition to occur, it needs to be resolved.

ACTION - Provide solution to determine when source document number should be sent to IFMP or the additional accounting data should be sent.

2. NASA Policy– Outgoing File to IFMP 1620# - 1012

It looks like eGate is going to have to apply the conversion factor for the transactions in Interfaces 1 and 3 - which implies that all associated batch transactions would have to contain the conversion factor when the unit of issue is used in the quantity field. The transactions that will need the conversion factor included in the outbound interface from NSMS to SAP are: DIDF/DIDFA DISF/DISFA DIBF/DIBFA RCDI/RCDIR

ACTION - Add the conversion factor for the above stated transactions on the outgoing file.

3. NASA Policy – IFMP Accounting Data Process 1620# - 1013

The pop-up window for issues is being presented to enter accounting data for IFMP regardless if the accounting data has been pre-filled. There is no way to prevent a center from presenting the window for IFMP accounting data.

ACTION - Provide a way to bypass presenting the IFMP accounting data screen when the accounting data is pre-filled from the site unique Pre-ET.

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 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 May 2002.

2.5 APPLICATION SYSTEM ADMINISTRATION

There is no application system administration associated with this release.

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 7.0.1 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. PERFORMANCE – The potential exists for erroneous data (source document number) to be entered by an NSMS user and passed to IFMP 1620# - 1010

An NSMS user may enter an IFMP purchase request as the source document number when requesting an item for issue. The format of the IFMP PR number is "GE 42nnnnnnnnnnnnnn". When the IFMP formatted PR (source document number) is edited in NSMS, NSMS requires no additional accounting data to be entered. Although this is an unlikely condition to occur, it needs to be resolved.

ACTION - Provide solution to determine when source document number should be sent to IFMP or the additional accounting data should be sent.

2. PERFORMANCE – Outgoing File to IFMP 1620# - 1012

It looks like eGate is going to have to apply the conversion factor for the transactions in Interfaces 1 and 3 - which implies that all associated batch transactions would have to contain the conversion factor when the unit of issue is used in the quantity field. The transactions that will need the conversion factor included in the outbound interface from NSMS to SAP are: DIDF/DIDFA DISF/DISFA DIBF/DIBFA RCDI/RCDIR

ACTION - Add the conversion factor for the above stated transactions on the outgoing file.

VALIDATION – This test should be coordinated with IFMP personnel.

3. PERFORMANCE – IFMP Accounting Data Process 1620# - 1013

The pop-up window for issues is being presented to enter accounting data for IFMP regardless if the accounting data has been pre-filled. There is no way to prevent a center from presenting the window for IFMP accounting data.

ACTION - Provide a way to bypass presenting the IFMP accounting data screen when the accounting data is pre-filled from the site unique Pre-ET.

VALIDATION - This test should be coordinated with IFMP personnel.

APPENDIX D

INSTALLATION INSTRUCTIONS AND CHECKLIST

Introduction

Release information:

System Name: NSMS
Release Number: 7.0.1
Release Date: July 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.PROD.R701.R0702.PRD
xxMOV.NSMS.PROD.R701.R0702.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 xxMOV.NSMS.PROD.R701.R0702.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:

Natural Source Modules by Type	
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	3
MAPS	4
HELP ROUTINES	0
SUBROUTINES	2
SUBPROGRAMS	0
PROGRAMS	3
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	12

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>
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Changed Modules

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
NSMPINIT	Initialization	MAP	
NSDLIFOT	Outgoing IFMP file	LDA	1012
NSPUIFOT	Outgoing IFMP file	PGM	1010, 1012
NSDLIFM1	Site Parameter – IFMP	LDA	1013
NSDLTPRM	Site Parameter – IFMP	LDA	1013
NSMPDIFM	Display IFMP Account Data	MAP	1013
NSMPIFMP	IFMP Accounting Data	MAP	1013
NSMPTPR4	Site Parameter – IFMP	MAP	1013
NSPTTPRM	Site Parameter – IFMP	PGM	1013
NSSRDIFM	Display IFMP Account Data	SUB	1013
NSSRIFMX	IFMP – Accounting Data	SUB	1010, 1013
NSPTDISU	Release Suspended DIDFS	PGM	1013

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 7.0.1. 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-7.0.1.

Use SYSDICBE to load the PREDICT modifications from the dataset xxMOV.NSMS.PROD.R701.R0702.PRD.

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

NS-TABLES

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	-	2

4.1.2 Storage Considerations

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

4.1.3 Physical File Changes

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

Add the following fields:

NS-TABLES-FILE		File # 181							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*	-	-----	*	-----	-----	*	*	--	*
1		IFM-VIEW-ACCT-DATA-IND	A	1.0				GT	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=181
ADADBS FNDEF='01,GT,1,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