

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

Release 6.4.1

PrISMS Contract

January 2000



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 6.4.1**

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 6.4.1.

The release has an effective date of January 21, 2000 and is scheduled for implementation by January 31, 2000. Support of the previous release expires on the implementation date of release 6.4.1.

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 6.4.1, 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

Steve Rowell at telephone number (256) 544-1452 or
by e-mail Steve.Rowell@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 973 and 974 approved by the CCB.

1. ENHANCEMENT -- (Monitor Transactions) 1620 # - 973

This is not a Y2K problem. Cosmetic in nature, MONTRANS (Option 5- FED/MIL-DOC-NUM) fails to display leading zeroes in the Federal Document Number. The Federal Document Number is stored on the Transaction File with the leading zeroes. When viewing the record in detail, the Federal Document Number is displayed with leading zeroes. Processing is not affected by this display.

ACTION – Modify NSPTTMO1 so that FEDERAL-DOCUMENT-NUMBER is redefined as alpha and the alpha value moved to the map variable for display purposes.

2. ENHANCEMENT - (Release Due Out) 1620 # – 974

The automatic Due-Out Release process does not function properly for Stores and Standby stock items when the Program Stock Org. Code and Project Codes fields are populated. Normally this should never occur, but a center might make use of these fields for some site unique purpose.

ACTION - Modify the process so that it functions properly in the event centers populate the Program Stock Org. Code and Project Codes fields for non Program Stock records.

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

THIS RELEASE SHOULD BE INSTALLED IN PRODUCTION ALONG WITH RELEASE 6.4.0.

2.4 AFFECTED DOCUMENTS

The only document affected by this release is the NSMS-UOG-10, NSMS User and Operations Guide (UOG) dated December 1999.

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 6.4.1 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
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
OTC	Over the Counter
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 -- (Monitor Transactions) 1620 # - 973

This is not a Y2K problem. Cosmetic in nature, MONTRANS (Option 5- FED/MIL-DOC-NUM) fails to display leading zeroes in the Federal Document Number. The Federal Document Number is stored on the Transaction File with the leading zeroes. When viewing the record in detail, the Federal Document Number is displayed with leading zeroes. Processing is not affected by this display.

ACTION – Modify NSPTTMO1 so that FEDERAL-DOCUMENT-NUMBER is redefined as alpha and the alpha value moved to the map variable for display purposes.

VALIDATION

- Using the Manual FED/MIL Order Entry (MANFED) process, add an order for an asset that has a federal supply source.
- Using the Monitor Transaction—Multipurpose (MONTRANS) process, view the transactions by entering option 5 (Fed/Mil-Doc-Num). Verify that all eight digits of Federal/Military Document Numbers are displayed, including leading zeroes, if present. Note: the transactions are displayed in ascending order.

2. ENHANCEMENT - (Release Due Out) 1620 # – 974

The automatic Due-Out Release process does not function properly for Stores and Standby stock items when the Program Stock Org. Code and Project Codes fields are populated. Normally this should never occur, but a center might make use of these fields for some site unique purpose.

ACTION - Modify the process so that it functions properly in the event centers populate the Program Stock Org. Code and Project Codes fields for non Program Stock records.

VALIDATION

- Using the Add Change or Delete Catalog Detail (CATADCHG) process, add a traceable catalog record.
- Using the Add, Change or Delete (ADCHGAST) process, add a store stock asset , program stock asset and a standby asset for the catalog record just created. Add bins to all of the asset records. The store stock asset will be known as ASSET1, add a value for the PS/SS OFFICE SYMBOL and PROG.

STOCK PROJECT ID fields. The program stock asset will be known as ASSET2. The standby stock asset will be known as ASSET3.

- Using the Create Manual Due-Out (MANUALDO) process, add a Due-Out for each asset.
- Using the Receive Due-In/Not Due-In (DINOTDI) process, receive a quantity less than the Due-Out for ASSET1. Reply Yes to release Due-Outs.
- Using the Monitor Transaction (MONTRANS) process, view the Due-Out release transaction.
- Using the Asset Scan (SCANASET) process, verify the asset quantity and price are zero, the quantity Due-Out is greater than zero and the asset does not have org/projects.
- Using the Receive Due-In/Not Due-In (DINOTDI) process, receive a quantity equal to the Due-Out quantity for ASSET2. Reply Yes to release Due-Outs.
Note: When releasing due outs from the receipt process: If a program stock traceable asset has a tied due in and due out, the due out will be released automatically. If a program stock traceable asset has more than one org/project, the due outs must be released manually. If the user has supervisor authority and wants to issue the quantity on-hand, the due outs will be released if the due outs are not tied to a due in and the asset is not quality sensitive.
- Using the Monitor Transaction (MONTRANS) process, view the Due-Out release transaction.
- Using the Asset Scan (SCANASET) process, verify the asset quantity is the difference of the receipt minus the due out and the quantity Due-Out is 0.
- Using the Receive Due-In/Not Due-In (DINOTDI) process, receive a quantity greater than the Due-Out quantity for ASSET3. Reply Yes to release Due-Outs.
- Using the Monitor Transaction (MONTRANS) process, view the Due-Out release transaction.
- Using the Asset Scan (SCANASET) process, verify the asset quantity and price are not zero and the quantity Due-Out is 0.
- Using the Create Manual Due-Out (MANUALDO) process, add a Due-Out for each asset.
- Using the Inventory Adjustment (INVADJST) process, increase the quantity of each asset. Reply Yes to release Due-Outs.
- Using the Monitor Transaction (MONTRANS) process, view the Due-Out release transactions.

APPENDIX D

INSTALLATION INSTRUCTIONS AND CHECKLIST

Introduction

Release information:

System Name: NSMS
Release Number: 6.4.1
Release Date: January 21, 2000
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

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

- xxMOV.NSMS.PROD.R641.R0100.DOC
- xxMOV.NSMS.PROD.R641.R0100.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 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 modifications from the dataset xxMOV.NSMS.PROD.R641.R0100.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:

GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	1
MAPS	1
HELP ROUTINES	0
SUBROUTINES	3
SUBPROGRAMS	0
PROGRAMS	4
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	9

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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No modules were added within this release.

Changed Modules

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
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NSMPINIT	NSMS Initial Map	MAP	
NSPTTMO1	Monitor Transactions	PGM	973
NSDLADJA	Inventory Adjustment (Analysis)	LDA	974
NSSRARDF	Release Due Outs	SUB	974
NSSRBIN6	Reverse Transactions	SUB	974
NSSRICT4	Process Traceable Adjustments	SUB	974
NSPUICAJ	Inventory Counts Adjustment	PGM	974
NSPRICWR	Warehouse Collection Report	PGM	974
NSPTADJA	Inventory Adjustment (Analysis)	PGM	974

Deleted Modules

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
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No modules were deleted within this release.

3.0 Pre-Predict Data Conversion

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

4.0 Install Predict

4.1 Data Dictionary Changes

There are no data dictionary changes included in this release.

4.1.1 Inventory of Objects

There are no PREDICT changes included in this release.

4.1.2 Storage Considerations

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

4.1.3 Physical File Changes

There are no file changes included in this release.

5.0 Catalog Source Code

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

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

6.0 Post-Predict Data Conversion

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

7.0 Load Natural Error Messages

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
- 4.0 Install Predict
- 5.0 Catalog Source Code