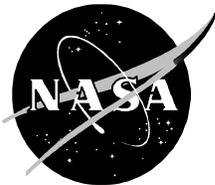


VERSION DESCRIPTION DOCUMENT FOR THE NASA ONLINE SUPPLY CATALOG (NOSC)

Release 3.8

PrISMS Contract

July 2003



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT
FOR THE
NASA ONLINE SUPPLY CATALOG (NOSC)
RELEASE 3.8**

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1.0 INTRODUCTION

This Version Description Document (VDD) describes the changes and installation procedures for Release 3.8 of the NASA Online Supply Catalog (NOSC). This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

1.1 IDENTIFICATION OF THE RELEASE

This software release is identified as NOSC, Release 3.8 and has an effective release date of July 3, 2003.

1.2 PURPOSE OF THE RELEASE

This release implements modifications necessitated by the following Change Control Requests (CCR):

CCR 989 – NOSC Mainframe Centralization

1.3 SCOPE

This VDD provides the functional and technical user of NOSC with information regarding the contents, status, and structure of Release 3.8, including the following:

- Changes implemented since Release 3.6.
- References to other documentation affected by this release.
- Detailed software installation instructions.

No waivers are associated with this release.

1.4 CONTACT POINTS

Sustaining Engineering for NOSC is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the functional and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Identify yourself as SESAAS & NOSC.)

Telephone: (256) 544-6673

Email: charmaine.styles-oscarson@msfc.nasa.gov

FAX: (256) 544-1836

2.0 FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, ADABAS/NATURAL Installation Instructions, describes the ADABAS/NATURAL software changes related to this release.

2.2 FUNCTIONAL INTERFACES

NOSC is an application that interfaces real-time with the NASA Supply Management System (NSMS) and was developed for NASA's general user community for the following primary purposes:

- View NASA's supply inventory without needing access to NSMS.
- Obtain up-to-date program stock availability based on proper authorization.
- Order supplies directly from NASA's stock warehouse without intervention from a supply representative.
- Order supplies directly from outside vendors from a user's desktop via electronic commerce (EC) without intervention from a supply representative.

This release of NOSC includes one functional interface change. All users authorized for program stock access will now have the capability to query stock availability real-time. In prior versions of NOSC, centers did not utilize this function due to them not having Entire X Broker Services installed on their mainframes. As a result of Property Centralization, this is no longer an issue or a limitation.

2.3 CRITICAL ISSUES

There are no critical issues associated with this release.

2.4 AFFECTED DOCUMENTS

The following document is affected by this release:

NOSC User and Operations Guide (UOG)

2.5 APPLICATION SYSTEM ADMINISTRATION

There are no application system administration changes associated with this release.

3.0 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

There are no technical system interface impacts or changes associated with this release.

3.2 DATA DICTIONARY CHANGES

There are no data dictionary changes in this release.

3.3 SOFTWARE OBJECT CHANGES

ADABAS/NATURAL 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 the ADABAS/NATURAL 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 ADABAS/NATURAL software modules impacted by this release.

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, ADABAS/NATURAL Installation Instructions for NOSC Software Release 3.8 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

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

4.0 KNOWN AND OPEN PROBLEMS

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

APPENDIX A
ABBREVIATIONS AND ACRONYMS

ABBREVIATIONS AND ACRONYMS

CC	Consolidation Center
CCR	Change Control Request
DIEC	Due In Electronic Commerce Transaction (JIT Transaction)
DIED	Due In Electronic Direct Buy Transaction
DOST	Due Out Stock Transaction (Backorder)
DR	Discrepancy Report
ISPR	Issue Stock Transaction
JCL	Job Control Language
JIT	Just-In-Time (Electronic Commerce - EC)
MSFC	Marshall Space Flight Center
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NASA	National Aeronautics and Space Administration
NOSC	NASA Online Supply Catalog
RC	Requirements Change
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
SSC	Stock Status Code
IFM	Integrated Financial Management
VDD	Version Description Document

APPENDIX B
GLOSSARY

GLOSSARY

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a software release and places it into operational use.

Operational Preparation

Preparation by SESAAS for installation and NASA's use of a release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with an application.

APPENDIX C
FUNCTIONAL CHANGE VALIDATION
PROCEDURES

FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of changes in this release.

Section	CCR	Title
1.0	989	NOSC Mainframe Centralization.

1.0 CCR Number 989

Functional Impact

As a result of the implementation of the Property Centralization project for NSMS and the NOSC real-time interface to NSMS, all centers that use NSMS now have totally automated access to their supply catalog information from the web via NOSC.

Maintained and supported completely by the NOSC Sustaining Engineering Team, a batch job is executed daily to extract NSMS data to build 16 work files. These work files are transferred to an Oracle database server and imported into the NOSC database. Access to the application for viewing and querying purposes only requires the use of the generic user id assigned to each center. Centers have access to their data only, and all users for any given center have access provided they know their center's assigned generic user id. If a center chooses to implement the real-time warehouse stock withdrawal function that also utilizes a real-time IFM interface for funding availability, access to NOSC is by individual user ids having the appropriate authorization.

Validation Procedures

1. For validation of these procedures in a test area prior to production implementation, use the test web address below. Otherwise, use the specified production web address. For test or production, enter the generic user id assigned to your center when at the login prompt:

Test Web Address: <http://noscap2.nacc.nasa.gov:8080/javadoc/NOSC.htm>

Prod Web Address: <http://noscap1.nacc.nasa.gov:8080/javadoc/NOSC.htm>

2. Execute each scan. Verify all hyperlink drill downs and navigation buttons work for each scan. Verify all pertinent asset data is passed to each subsequent web page.
3. Execute each search. Verify all hyperlink drill downs and navigation buttons work for each search. Verify all pertinent asset data is passed to each subsequent web page.

4. Verify all pagination buttons work for the Scans, Searches, Order History, and Administration where applicable.
5. Verify all links displayed for your center are accessible.
6. If your center has the image viewing capability, verify the 'VIEW PICTURE' button displays on the Catalog/Detail screen.
7. Program stock quantity requests are available real-time provided the user already has the authorization to the program in NSMS for which a request is made. To test this function, select a program stock item to view or order using one of the Scan or Search functions. From the Catalog/Detail screen, choose the View Quantity button. On the following screen, enter the NSMS customer id or user id having authorization to the requested program stock item and click the View Quantity button at the end of the page. If authorization exists for access to the Program stock item chosen, a message will be displayed indicating the current quantity. If no authorization exists, a message will be displayed indicating authorization does not exist.

**** Perform the following steps only if your center is using the warehouse stock withdrawal order function in NOSC. ****

8. Select a stock item to order using one of the Scan or Search functions. Complete all necessary entries on the Order Request screen including the accounting fields. Verify that partial entry is prevented for fields that require complete entry.
9. Multi-line notice printing is available in NOSC. When a user requests a warehouse stock withdrawal, the notices for the order may now be printed one at a time or queued for batch printing at a later time. Select a stock item to order using one of the Scan or Search functions. Complete all necessary entries on the Order Request screen. To test the multi-line printing, choose one of the selections in the Notice Print Option block. If Single Notice is chosen, a single notice will be printed following a successful order if this feature is implemented at your center. If Multi Notices – Print Now is chosen, enter a control number without any spaces in the Multi Line Control Number block. After the order is placed, a notice will print containing the single order. If Multi Notices – Print Later is chosen, enter a control number without any spaces in the Multi Line Control Number block. The notice will not print following a successful order until a subsequent order is placed using the Multi Notices – Print Now selection. This allows multiple orders to be queued for printing at a later time. Then, all queued orders will print on a single notice.
10. Some centers use the source document number for tracking purposes. When a stock withdrawal is requested, a unique source document number will be automatically generated and tracked in NOSC for any center wanting to use this feature. The format consists of the literal 'NOSC', today's date in the

format of MMDDYY or '050503' for example, plus a 4 digit sequence number. To test this function, select a stock item to order using one of the Scan or Search functions. Complete all necessary entries on the Order Request screen. If your center has requested the automatic generation of the source document number, this number should display in the Source Document Number block on the Order Request screen. After a stock withdrawal request is successful, the source document number is archived along with the other pertinent order information and may be viewed in Order History.

11. Enter the required IFM accounting fields and any other pertinent fields required specifically for your center.
12. Enter all customer and locator fields required for your center and submit the order request. If the order was successfully generated, a window will be displayed showing the document number, the number ordered or backordered where applicable, and an expected delivery date. If the order did not generate, an error message will be displayed indicating the reason the order was unsuccessful.

**APPENDIX D
ADABAS/NATURAL
INSTALLATION INSTRUCTIONS
FOR NOSC SOFTWARE RELEASE 3.8**

INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NOSC SOFTWARE RELEASE 3.8

Introduction

Release information:

System Name: NOSC
Release Number: 3.8
Release Date: July 3, 2003
Effective Date: July 3, 2003

*** IMPORTANT NOTE ***

This release has an impact on the interface with the NASA Supply Management System (NSMS). The NSMS 8.0 release must be installed prior to installing this release.

The following dataset is located on the Central Distribution Facility.

- xxMOV.NOSC.R380.R0703.SRC

In case of installation problems, contact the NACC Technical Services Center (Identify yourself as SESAAS & NOSC.)

Telephone: (256) 544-6673
Email: charmaine.styles-oscarson@msfc.nasa.gov
FAX: (256) 544-1836

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 6.0 to assist in tracking the installation of this release.

- 1.0 Back Up Existing Data
- 2.0 Copy Source/Object Code
- 3.0 Catalog Source Code
- 4.0 Perform Release-Specific Procedures
- 5.0 Local JCL Mods
- 6.0 Installation Checklist

1.0 Back Up Existing Data

It is advisable to back up the NSMS library as a precautionary measure prior to installation.

2.0 Copy Source/Object Code

2.1 Copy Source Code

Load the NOSC source library from dataset xxMOV.NOSC.R380.R0703.SRC. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NSMS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by type	
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	20
MAPS	2
HELP ROUTINES	0
SUBROUTINES	7
SUBPROGRAMS	4
PROGRAMS	21
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	54

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules:

There are no modules added in this release.

Changed Modules:

<u>MODULE ID</u>	<u>MODULE DESCRIPTION</u>	<u>TYPE</u>
1. EDDLAADO	Local Data Area for EDPTAADO	LDA
2. EDDLUCUST	Local Data Area for EDPUCUST	LDA
3. EDDLIDILA	Local Data Area for EDPTDIPA	LDA
4. EDDLIDNUM	Local Data Area for EDSRDNUM	LDA
5. EDDLINCA	Local Data Area for EDPUIINCA	LDA
6. EDDLIMFG1	Local Data Area for EDPUMFG1	LDA
7. EDDLILORLA	Local Data Area for EDPUIORDR	LDA
8. EDDLIPPOAK	Local Data Area for EDPUIPOAK	LDA
9. EDDLIRCEC	Local Data Area for EDPURCEC	LDA
10. EDDLIRCPPT	Local Data Area for EDPTRCPT	LDA
11. EDDLIRRRCE	Local Data Area for EDSFRRCE	LDA
12. EDDLITBRA	Local Data Area for EDPTTBRA	LDA
13. EDDLITRIS	Local Data Area for EDSRTRIS	LDA
14. EDDLITVND	Local Data Area for EDPTTVND	LDA
15. EDDLIVCDB	Local Data Area for EDSRVCDB	LDA
16. EDDLIVCIP	Local Data Area for EDSRVCIP	LDA
17. EDDLIVCIS	Local Data Area for EDSRVCIS	LDA
18. EDDLIVCJT	Local Data Area for EDSRVCJT	LDA
19. EDDLIVCOR	Local Data Area for EDSPVCOR	LDA
20. EDDLIVCPS	Local Data Area for EDSPVCPS	LDA
21. EDETBSRV	Registers the Broker ID and starts the listener.	PROGRAM
22. EDMPTBRA	Input Screen for EDPTTBRA	MAP
23. EDMPTVND	Input Screen for EDPTTVND	MAP
24. ED-QRY02	JIT Receipts from PC	PROGRAM
25. EDPRUPLD	JIT Receipts from PC	PROGRAM
26. EDPTAADO	DIEC Adjustment	PROGRAM
27. EDPTDIPA	Monitor DIEC/DIED Transaction	PROGRAM
28. EDPTRCPT	DIEC Date Receipt Update & Closeout	PROGRAM
29. EDPTTBRA	Building Route Table Maintenance	PROGRAM
30. EDPTTVND	Vendor ID Table Maintenance	PROGRAM
31. EDPUCEXS	Extracts NSMS data to be imported into NOSC Oracle database.	PROGRAM
32. EDPUCUST	Customer ID data extract	PROGRAM
33. EDPUDLVR	Update Delivery Records from PC	PROGRAM

<u>MODULE ID</u>	<u>MODULE DESCRIPTION</u>	<u>TYPE</u>
34.EDPUINCA	Generate Vendor Provided Catalog/Index Record	PROGRAM
35.EDPUJTDO	Builds JIT Direct Order Work File	PROGRAM
36.EDPUMFGR	MFG Table Maintenance	PROGRAM
37.EDPUMFGT	Loads/lists MFG Table Errors	PROGRAM
38.EDPUMFG1	Missing MFG by Cage Code Report	PROGRAM
39.EDPUORDR	Customer Order Status	PROGRAM
40.EDPUPOAK	DIEC/DIED PO Acknowledgment	PROGRAM
41.EDPURCEC	EDI JIT Receipt Processing	PROGRAM
42.EDSFRRCE	Reverse JIT Receipt	PROGRAM
43.EDSPVCOL	Module that determines if user is processing an order request or program stock quantity request	SUBPROGRAM
44.EDSPVCOP	Processes program stock quantity request	SUBPROGRAM
45.EDSPVCOR	Module that determines the type of order request to process	SUBPROGRAM
46.EDSPVCPS	Module that performs program stock quantity retrieval	SUBPROGRAM
47.EDSRDNUM	Document Number Generator	SUBROUTINE
48.EDSRTRIS	Processes traceable asset order requests – ISPR transactions	SUBROUTINE
49.EDSRUEX1	User exit 1 that calls the PRE-ET	SUBROUTINE
50.EDSRVCDB	Processes JIT direct buys - DIED transactions	SUBROUTINE
51.EDSRVCIP	Processes program stock order requests – ISPR transactions	SUBROUTINE
52.EDSRVCIS	Processes stock order requests - ISPR transactions	SUBROUTINE
53.EDSRVCJT	Processes JIT orders from outside Vendors – DIEC transactions	SUBROUTINE
54.EDVSTACL	Performs a call to Adabas Vista to pass installation account.	PROGRAM

Deleted Modules:

There are no modules deleted in this release.

3.0 Catalog Source Code

Run a batch job to catalog (CATALL) all modules in the NSMS library or other named library. The SESAAS Batch standard parameters should be used for the compile.

After all objects are compiled, the NOSC application will run under the SESAAS batch standard parameters.

4.0 Perform Release-Specific Procedures

There are no Release-Specific Procedures for this release.

5.0 Local JCL Mods

There are no local JCL mods for this release.

6.0 Installation Checklist

1.0 Back Up Existing Data

2.1 Copy Source Code

3.0 Catalog Source Code