

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

Release 3.9

PrISMS Contract

December 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 3.9**

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HUNTSVILLE, ALABAMA

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
GEORGE C. MARSHALL SPACE FLIGHT CENTER  
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## **1.0 INTRODUCTION**

This Version Description Document (VDD) describes the changes and installation procedures for Release 3.9 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 3.9 and has an effective release date of December 15, 2003.

### **1.2 PURPOSE OF THE RELEASE**

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

- **CCR 994** – The online interface with IFM needs 2 additional fields (Earmarked Funds) passed for commercial items.
- **CCR 995** - Display of Quality Criteria Code Value.
- **CCR 996** - Implement online warehouse stock withdrawal.

### **1.3 SCOPE**

This VDD provides the functional and technical user of NOSC with information regarding the contents, status, and structure of Release 3.9, including the following:

- Changes implemented since Release 3.8.
- 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](mailto: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**

This release has a functional impact on the interface with the NASA Supply Management System (NSMS.)

### **2.3 CRITICAL ISSUES**

There are no critical issues for 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**

This release has an impact on the interface with the NASA Supply Management System (NSMS). This release augments the interface with the Integrated Financial Management (IFM) application.

#### **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 3.9 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

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

**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 a NASA site for installation and 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	994	The online interface with IFM needs 2 additional fields ( Earmarked Funds) passed for commercial items.
2.0	995	Display of Quality Criteria Code Value
3.0	996	Implement online warehouse stock withdrawal.

### 1.0 CCR Number 994

#### Functional Impact

This version of NOSC has 2 new accounting fields added for the interface to the IFM application. These fields are for Earmarked Funds and are to be entered for reimbursable funds for commercial items. The fields are Earmarked Document Number and Earmarked Line Number. The requirements for these fields are as follows:

- Earmarked Document Number is a numeric field of 10 digits. When entering this field in NOSC, leading zeroes must be entered.
- Earmarked Line Number is a numeric field of 3 digits. When entering this field in NOSC, leading zeroes must be entered.
- The fields are not required to be entered.
- If the fields are entered, both fields must be entered.
- If Project WBS or Network/Activity are entered, these fields can not be entered.
- If the fields are entered, Project WBS or Network/Activity can not be entered.
- If the fields are entered, the last 2 positions of the Fund Code must be 'R'.
- If the last 2 positions of the Fund Code are 'D', the fields can not be entered.

Site unique accounting data fields may also be required for some centers. These data fields will be displayed and entered after the IFM accounting data fields have been entered.

#### Validation Procedures

This section is only for centers that make stock withdrawal requests (issues or ISPR/DOST transactions) via NOSC and also interface with IFM for real-time funds availability verification in NSMS.

1. Using the search or scan functions, select a store stock (SSC 1) or standby stock (SSC 3) asset in the NS domain to make a stock withdrawal request.

2. Click on the 'Order Quantity' button when the 'Asset/Catalog Detail screen is displayed and verify the new IFM accounting fields are displayed and may be entered.
3. Complete all required fields and submit the order request. An order confirmation screen should display.
4. Verify in NSMS via MONTRANS fastpath the ISPR/DOST transactions are successfully generated.

## **2.0 CCR Number 995**

### **Functional Impact**

For traceable assets that have quality sensitive criteria codes, the comments or descriptions of the criteria codes will now be displayed.

### **Validation Procedures**

1. Using the search or scan functions, select a traceable asset that should have quality sensitive criteria codes.
2. When the Asset/Catalog detail screen displays, select the 'View Trace Quantity' or 'View & Order Trace Quantity' button.
3. For a trace key displaying a 'Y' under the 'QCC Info' heading, click on the 'Y' and the associated quality sensitive criteria codes along with their associated comments or descriptions should display.

## **3.0 CCR Number 996**

### **Functional Impact**

NOSC was modified to allow Stennis Space Center to use the online warehouse stock withdrawal process. The following changes were requirements were implemented for this task:

1. Allow the accounting data to be entered for program stock assets.
2. Allow the accounting data to be saved after it has been initially entered during an ordering session.
3. Allow the source document number to be saved when doing multiple issues.
4. Allow center messages along with corresponding return code to be displayed to the end user in NOSC.

### **Validation Procedures**

**\*\*Note: These procedures are for Stennis Space Center users only.**

1. Using the search or scan functions, select an asset for any domain to make a stock withdrawal request.
2. Click on the 'Order Quantity' button when the 'Asset/Catalog Detail screen is displayed and verify the new accounting fields are displayed and may be entered.

3. Complete all required fields and submit the order request. An order confirmation screen should display.
4. A new screen should be displayed with a prompt for saving or clearing data.

If 'Save' is selected, the accounting data, the source document number, the multi-line control number, and the delivery information is saved and will remain intact for the next order. If 'Clear' is selected, the accounting data, the source document number, the multi-line control number, and the delivery information will be cleared when placing a subsequent order.

When 'Clear' is selected, another screen should be displayed with a prompt to print the multi-line notices now or later. When the option to print the notices later is selected the notices will be queued until the option to print the notices now is selected. At that time, the notices will print all at one time.

5. In order to determine if the correct center messages are displayed, establish a condition while placing an order request that should generate an error. One example would be having the source document number value differ than the multi-line control value. A site-specific error message should display while attempting to process the request.
6. Verify in NSMS that the ISPR/DOST transactions successfully generate when expected and the multi-line notices print when expected.

**APPENDIX D  
ADABAS/NATURAL  
INSTALLATION INSTRUCTIONS  
FOR NOSC SOFTWARE RELEASE 3.9**

# INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NOSC SOFTWARE RELEASE 3.5

## Introduction

Release information:

System Name: NOSC  
Release Number: 3.9  
Release Date: December 15, 2003  
Effective Date: December 15, 2003

For problems encountered as a result of this installation, contact the NACC Technical Services Center (Identify yourself as SESAAS & NOSC.)

Telephone: (256) 544-6673  
Email: [charmaine.styles-oscarson@msfc.nasa.gov](mailto:charmaine.styles-oscarson@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:

MSMOV.NOSC.PROD.R390.R1203.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 will 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

A back up of the NSMS libraries will be performed as a precautionary measure prior to installation.

### 2.0 Copy Source/Object Code

#### 2.1 Copy Source Code

Load the NOSC source modifications from the dataset MSMOV.NOSC.PROD.R390.R1203.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 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:

<b>Natural Source Modules by type</b>	
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	7
MAPS	0
HELP ROUTINES	0
SUBROUTINES	7
SUBPROGRAMS	3
PROGRAMS	2
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
<b>Total:</b>	<b>19</b>

## 2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules:

<u>MODULE ID</u>	<u>MODULE DESCRIPTION</u>	<u>TYPE</u>
1. EDUSRERR	Module that obtains the site-unique error messages.	SUBPROGRAM

Changed Modules:

<u>MODULE ID</u>	<u>MODULE DESCRIPTION</u>	<u>TYPE</u>
1. EDDLEXIT	Local Data Area for EDSRPRET	LDA
2. EDDLTRIS	Local Data Area for EDSRTRIS	LDA
3. EDDLVCDB	Local Data Area for EDSRVCDB	LDA
4. EDDLVCIP	Local Data Area for EDSRVCIP	LDA
5. EDDLVCIS	Local Data Area for EDSRVCIS	LDA
6. EDDLVCJT	Local Data Area for EDSRVCJT	LDA
7. EDDLVCOR	Local Data Area for EDSPVCOR	LDA
8. EDETBSRV	Registers the Broker ID and starts the listener.	PROGRAM
9. EDPUCEXS	Extract for Oracle Database	PROGRAM
10. EDSPVCOL	Module that determines if user is processing an order request or program stock quantity request	SUBPROGRAM
11. EDSPVCOR	Module that determines the type of order request to process	SUBPROGRAM
12. EDSRIFMX	User exit for IFM	SUBROUTINE

<u>MODULE ID</u>	<u>MODULE DESCRIPTION</u>	<u>TYPE</u>
13. EDSRTRIS	Processes traceable asset order requests – ISPR transactions	SUBROUTINE
14. EDSRVCDB	Processes JIT direct buys - DIED transactions	SUBROUTINE
15. EDSRVCIP	Processes program stock order requests – ISPR transactions	SUBROUTINE
16. EDSRVCIS	Processes stock order requests - ISPR transactions	SUBROUTINE
17. EDSRVCJT	Processes JIT orders from outside Vendors – DIEC transactions	SUBROUTINE
18. EFSRPRET	User exit to IFM funds check routines	SUBROUTINE

Deleted Modules:

There are no modules deleted in this release.

### **3.0 Catalog Source Code**

A batch job will be run to catalog (CATALL) all modules in the NSMS libraries. The SESAAS Batch standard parameters will 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 with this release.

## 5.0 Local JCL Mods

1. A new work file must be allocated to use for the new criteria code comment data that will be extracted as a result of CCR 995. The work file name and attributes are as follows:

AGCAM.NOSCP.ITEM. CRITERIA.CODE.COMMENTS

### General Data

Management class . . . : **\*\*None\*\***  
 Storage class . . . . : TSUCLAS  
 Volume serial . . . . : STZ011  
 Device type . . . . . : 3390  
 Data class . . . . . : **\*\*None\*\***  
 Organization . . . . . : PS  
 Record format . . . . : FB  
 Record length . . . . : 87  
 Block size . . . . . : 8700  
 1st extent cylinders: 1  
 Secondary cylinders : 5  
 Data set name type :

### Current Allocation

Allocated cylinders : 1  
 Allocated extents . : 1

### Current Utilization

Used cylinders . . . : 1  
 Used extents . . . . : 1

SMS Compressible . : NO

2. The work file must be added as work file 17 to the NOSC Extract Job, AGEXNOSC in each of the steps in the production partitioned dataset, AGCAM.NOSCP.CTM.JCL on NAPROD.

- In the first step, the work file should be entered as follows:

```
//CMWKF17 DD DSN=AGCAM.NOSCP.ITEM.CRITERIA.CODE.COMMENTS,
//          DISP=OLD
```

- For all other subsequent steps, the work file should be entered as follows:

```
//CMWKF17 DD DSN=AGCAM.NOSCP.ITEM. CRITERIA.CODE.COMMENTS,
//          DISP=(MOD,KEEP,KEEP)
```

3. The work file must be added to the NOSC FTP Job, AGXFNOSC in the production production partitioned dataset, AGCAM.NOSCP.CTM.JCL on NAPROD. The work file should be entered after the last work file and should appear as follows:

```
put 'AGCAM.NOSCP.ITEM.COMPONENT.DESC' item.component.desc
put 'AGCAM.NOSCP.ITEM. CRITERIA.CODE.COMMENTS' item.criteria.code.comments
```

## **6.0 Installation Checklist**

- 1.0 Back Up Existing Data
- 2.1 Copy Source Code
- 3.0 Catalog Source Code
- 5.0 Local JCL Mods

**APPENDIX E  
ADABAS/NATURAL  
SAMPLE JOB CONTROL LANGUAGE FOR  
RELEASE 3.9**

## **SAMPLE JOB CONTROL LANGUAGE FOR RELEASE 3.9**

See 5.0 Local JCL Mods for instructions for JCL changes. No samples are provided.