

VERSION DESCRIPTION DOCUMENT FOR THE NASA PROPERTY DISPOSAL MANAGEMENT SYSTEM (NPDMS)

Release 4.1.1

NASA-NPDMS-VDD-14

PrISMS Contract

September 30, 2003



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT FOR THE
NASA PROPERTY DISPOSAL MANAGEMENT SYSTEM (NPDMS)
RELEASE 4.1.1**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
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1. INTRODUCTION

This Version Description Document (VDD) describes the changes and installation procedures for this release of the NASA Property Disposal Management System (NPDMS). 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 NPDMS, Release 4.1.1 and has an effective release date of September 30, 2003.

1.2 PURPOSE OF THE RELEASE

This release implements modifications for the following Change Control Requests (CCRs):

<u>CCR</u>	<u>Title</u>
478	New GSA Layout for FY 2004
483	Key short on table 170 (Recipient Name Table)

This release implements modifications necessitated by the following Discrepancy Reports (DRs):

<u>CCR</u>	<u>Title</u>
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1.3 SCOPE

This VDD provides the functional and technical user of NPDMS with information regarding the content, status, and structure of Release 4.1.1, including the following:

- Changes implemented since Release 4.1.0;
- Validation procedures to ensure the reliability of release changes;
- 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 NPDMS 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 (Use following Key Words: SESAAS & NPDMS)

Telephone: (256) 544-6673
Email: neal.cantrell@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, Installation Instructions, describes all Software PREDICT and SYSERR changes related to this release.

2.2 FUNCTIONAL INTERFACES

This section is not applicable for this release.

2.3 CRITICAL ISSUES

This section is not applicable for this release.

2.4 AFFECTED DOCUMENTS

This section is not applicable for this release.

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 issues with this release.

3.2 DATA DICTIONARY CHANGES

Refer to Appendix D, Section 4.1, 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, Section 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 NPDMS Software Release 3.1 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 this release.

4.0 KNOWN AND OPEN PROBLEMS

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

APPENDIX A - ABBREVIATIONS AND ACRONYMS

CC	Consolidation Center
CCR	Change Control Request
CSC	Computer Sciences Corporation
DBA	Database Administrator
DR	Discrepancy Report
FAX	Electronic Facsimile Transmission
IRM	Information Resources Management
JCL	Job Control Language
MSFC	Marshall Space Flight Center
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NASA	National Aeronautics and Space Administration
NEMS	NASA Equipment Management System
NPDMS	NASA Property Disposal Management System
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
VDD	Version Description Document

APPENDIX B - GLOSSARY

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

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

Operational Preparation

Preparation by a NASA site for installation and use of a NASA application release.

System Administration

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

APPENDIX C - FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of validation procedures for changes in this release:

Section	CCR	Title
1.0	478	New GSA Layout for FY 2004
2.0	483	Key short on table 170 (Recipient Name Table)

Details for the validation procedures follow:

1.0 CCR 478 – New GSA Layout for FY 2004

GSA has updated the layout of the interface file. These changes need to be implemented for FY 2004.

Description of Change

Code was changed to: (1) change PODI to Custodian (positions 289, 301, 313, 323, 330, and 923); (2) change filler at 556 to Photos Included (default to N); (3) increase length of Special Description Code (pos 659) fro 9 to 11, decrease length of Special Description Text (pos 668) from 79 to 69, and add Agency Location Code (starting in position 739 - after the Special Description Text) as an 8-character field; (4) Change ADP Equipment Code to Notify POC when available for sale; (5) change Internal Sales Code to Notify Custodian when available for sale; (6) on the Description Record change Filler X(90) to include new fields: Vehicle ID Number (VIN) - X(20), Model Year - X(4), Body Style - X(12), Number of Cylinders - X(2), and Filler X(52). These fields will be populated later.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Schedule and run the 110 report.
Expected Results: Report will run successfully and the following:
 - 1) Custodian information will be populated as before.
 - 2) The Photos Included field will be set to 'N'.
 - 3) All the other new fields will be blank.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR110PA	GSA Dataset Generation	Program
NDR110PB	GSA Dataset Generation	Program

2.0 CCR 483 – Key short on table 170 (Recipient Name Table)

In the map for table 170 (Recipient Name Table) an edit is performed on the key to ensure that a record does not already exist. Error 3004 (Record already exists) is received it does. The problem is that the key is 2 bytes short of being long enough.

Description of Change

Code was changed to the key from 13 to 15 bytes long.

Functional Impact

There is no functional impact as a result of this CCR.

Validation Procedures

- Try to add a record that does not exist with a Recipient that is 12 bytes long.
Expected Results: The record will be successfully added.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND3170MA	Map for Recipient Name Table	Map

APPENDIX D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NPDMS SOFTWARE RELEASE 4.1.1

Introduction

Release information:

System Name: NPDMS
Release Number: 4.1.1
Release Date: September 30, 2003
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 & NPDMS)

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

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

MSMOV.NPDMS.PROD.R411.R0903.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 9.0 to assist in tracking the installation of this release.

- 1.0 Back Up 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 Perform Release-Specific Procedures
- 8.0 Local JCL Mods
- 9.0 Installation Checklist

1.0 Back Up Existing Data

It is advisable to back up all NPDMS files as a precautionary measure prior to installation.

2.0 Copy Source

2.1 Copy Source Code

Load the NPDMS source library from dataset:

MSMOV.NPDMS.PROD.R411.R0903.SRC.

The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NPDMS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by Type	Count
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	0
MAPS	1
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	0
PROGRAMS	3
COPYCODE	0
TEXT	0
PROCESSOR	0
MISCELLANEOUS OBJECTS	0
Total:	4

2.2 List of Source Code Modifications

The following are the modules added, modified, and deleted.

Added Modules:

None

Changed Modules:

1. ND3170MA Map
2. NDO000PA Program
3. NDR110PA Program
4. NDR110PB Program

Deleted Modules:

None

3.0 Pre-Predict Data Conversion

Not Applicable for this release.

4.0 Install Predict

Not Applicable for this release.

5.0 Catalog Source Code

To be performed by the SESAAS DBA.

Run a batch job to catalog (CATALL) all modules in the NPDMS 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 NPDMS application will run under the NASA On-line Standard Parameter.

6.0 Post-Predict Data Conversion

Not applicable

7.0 Perform Release-Specific Procedures

Not Applicable

8.0 Local JCL Mods

Not Applicable

9.0 Installation Checklist

- 1.0 Back Up Existing Data
- 2.0 Copy Source
 - 2.1 Copy Source Code
 - 2.2 List of Source Code Modifications
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
 - 4.1 Data Dictionary Changes
 - 4.1.1 Inventory of Objects
 - 4.1.2 Storage Considerations
 - 4.1.3 Physical File Changes
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Perform Release Specific Procedures
- 8.0 Local JCL Mods