

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

Release 4.1

NASA-NPDMS-VDD-14

PrISMS Contract

August 29, 2003



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

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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 and has an effective release date of August 29, 2003.

1.2 PURPOSE OF THE RELEASE

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

<u>CCR</u>	<u>Title</u>
475	Recipient Name Table (170) change VA SEAFOOD to VPI&SU
476	Reversal of X65 not clearing NEMS-TRANSFER file
477	Exchange (Trade-In) missing key for VISTA access

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

<u>CCR</u>	<u>Title</u>
472	Installation not populated for table 200 (ADOSS)
473	Add and Delete On Request Reports
474	Component Case not writing X19 and X90 to NEMS History and Daily Trans File

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, including the following:

- Changes implemented since Release 4.0.0;
- 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	472	Installation not populated for table 200 (ADOSS)
2.0	473	Add and Delete On Request Reports
3.0	474	Component Case not writing X19 and X90 to NEMS History and Daily Trans File
4.0	475	Recipient Name Table (170) change VA SEAFOOD to VPI&SU
5.0	476	Reversal of X65 not clearing NEMS-TRANSFER file
6.0	477	Exchange (Trade-In) missing key for VISTA access

Details for the validation procedures follow:

1.0 CCR 472 – Installation not populated for table 200 (ADOSS)

The PRIMINST-NMBR and SUBINST-NMBR fields are populated in the view used for the delete but not in the view for the add.

Description of Change

Code was changed to add the PRIMINST-NMBR and SUBINST-NMBR fields to the add view.

Functional Impact

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

Validation Procedures

- Run program NDU200PA (for centers that use ADOSS)
Expected Results: The program will read a work file and load that information into table 200 for that installation.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDU200PA	Load ADOSS (table 200) from a work file	Program

2.0 CCR 473 – Add and Delete On Request Reports

The problem is in the READ loops for the Add Retrieval and the Delete Retrieval. They are using an intermediate key for ND-TABLE 055. We added and subsequently removed the Installation portion from SYS-REC-KEY during our SESAAS testing phase. We also accept Installation '9999' matches along with Center Specific matches to facilitate Core Reports on Table 055.

Description of Change

Code was changed to remove the Installation from the SYS-REC-KEY. On READ add logic to check for User's Installation or an Installation of '9999'.

Functional Impact

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

Validation Procedures

- Add a Regularly Scheduled Report (Report menu option 3).
Expected Results: Report will be scheduled.
- Delete a Regularly Scheduled Report (Report menu option 3).
Expected Results: Report will be from reports scheduled to run.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND2300PA	On Request Report Maintenance	Program

3.0 CCR 474 – Component Case not writing X19 and X90 to NEMS History and Daily Trans File

Processed NPDMS Component Case for 2 ECNs. Both ECNs had been deleted by TC71 (Survey). NPDMS should have written X19s and X90s on each to the Daily Trans File and to NEMS History.

Description of Change

Code was changed so that the X19 and X90 transactions are written to the Daily Trans File and to NEMS History file.

Functional Impact

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

Validation Procedures

- Add a Controlled Component case for ECNs that have Surveyed (Transaction 71) in NEMS.
Expected Results: The X19 and X90 transactions for all items in the component will be written to the NEMS Daily Transaction file and the NEMS History file

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND4110PA	On-Line Add	Program
ND4110TB	On-Line Add documentation	Text

4.0 CCR 475 – Recipient Name Table (170) change VA SEAFOOD to VPI&SU

LaRC has an invalid entry on the Recipient Name Table (VA SEAFOOD). The records that contain this as the recipient should be converted to VPI&SU.

Description of Change

A program was created that will enable incorrect recipient codes to be corrected on applicable files.

Functional Impact

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

Validation Procedures

- Run NDUT16PC from the NEXT prompt. **NOTE:** This should be done only by the SESAAS Developers.
Expected Results: The Invalid Recipient Name Code will be converted to the correct Recipient Name Code on the files.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDUT16PC	Find all uses of a recipient code & update	Program

5.0 CCR 476 – Reversal of X65 not clearing NEMS-TRANSFER file

When a reversal of a transaction that creates an X65 transaction (T05 or T06) occurs the ECN is not being deleted from the NEMS-TRANSFER file

Description of Change

Code was added to make sure the RT05 and RT06 delete the ECN from the NEMS-TRANSFER file.

Functional Impact

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

Validation Procedures

- Reverse a Controlled T05 transaction.
Expected Results: The ECN should be removed from the NEMS-TRANSFER file.
- Reverse a Controlled T06 transaction.
Expected Results: The ECN should be removed from the NEMS-TRANSFER file.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDXNEMPA	NPDMS Interface with NEMS	Program

6.0 CCR 477 – Exchange (Trade-In) missing key for VISTA access

On an Exchange (Trade-In) in NPDMS a Case Number is not created for the transaction that is added to the Transaction History file. The problem is that ADABAS VISTA requires the 1st 6 positions of the Case Number to be populated in order to verify that the user has access to Store the record on the file.

Description of Change

Code was added to populate the FEDAAC portion of the Case Number on Exchange (Trade-In) transactions.

Functional Impact

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

Validation Procedures

- Add an Exchange (Trade-In) item (Option 6 from the NPDMS Transaction menu)/
Expected Results: The transaction will execute without receiving a VISTA error.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND5119PB	Exchange (Trade-In) of NASA Property to a Vendor (T19)	Program

APPENDIX D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NPDMS SOFTWARE RELEASE 4.1

Introduction

Release information:

System Name: NPDMS
Release Number: 4.1
Release Date: August 29, 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.R410.R0803.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.R410.R0803.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	0
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	0
PROGRAMS	7
COPYCODE	0
TEXT	1
PROCESSOR	0
MISCELLANEOUS OBJECTS	0
Total:	8

2.2 List of Source Code Modifications

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

Added Modules:

None

Changed Modules:

1. ND2300PA Program
2. ND4110PA Program
3. ND4110TB Text
4. ND5119PB Program
5. NDO000PA Program
6. NDU200PA Program
7. NDUT16PC Program
8. NDXNEMPA 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 that start with BLD* 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