

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

Release 2.4.2

NASA-NPDMS-VDD-13

PrISMS Contract

September 30, 1999



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 2.4.2**

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September 30, 1999

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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 2.4.2 and has an effective release date of September 30, 1999.

1.2 PURPOSE OF THE RELEASE

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

<u>CCR</u>	<u>Title</u>
372	Report 023 – Performance Measures
382	Recipient Name Table (170) problems

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

<u>CCR</u>	<u>Title</u>
none	

1.3 SCOPE

This VDD provides the functional and technical user of NPDMS with information regarding the contents, status, and structure of Release 2.4.2, including the following:

- Changes implemented since Release 2.4.1.
- 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 function 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. 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.

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

The following no documents are affected by this release.

2.5 APPLICATION SYSTEM ADMINISTRATION

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

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

There are no technical systems interface issues with this release.

3.2 DATA DICTIONARY CHANGES

This section is not applicable 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 NPDMS Software Release 2.4.2 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. **KNOWN AND OPEN PROBLEMS**

The 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	372	Report 023 – Performance Measures
2.0	382	Recipient Name Table (170) problems

Details for the validation procedures follow:

1.0 CCR 372 Report 023 – Performance Measures

Report 023 - Performance Measures does not provide the information required by NASA HQS (e.g., Original Acquisition Value for each line item on the report and comparison of same period previous year data). Original Acquisition Value is calculated on the detail listing but this method requires manual compilation of data in order to meet HQs requirements.

Description of Change

Code was changed to check to make sure the PROP-CUR-AVLBL-QTY is not equal 0. If it is equal 0 then use the PROP-QTY instead.

Functional Impact

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

Validation Procedures

- Schedule report 023 (Performance Measures Report) for a specific time period. Run report 023.
Expected results: Report 023 should execute successfully. The Disposition Quantity and Disposition Cost should be displayed for all cases.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR023PB	NPDMS Performance Measures Report, Detail Listing	Program

2.0 CCR 382 Recipient Name Table (170) problems

If a Recipient Name Table key has a length greater than 10 the table does not work correctly.

Description of Change

Code was changed to allow the Recipient Name Table key to have a length of 12. Code was also changed to fix the new fields in the 016 report.

Functional Impact

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

Validation Procedures

- Perform a T16 transaction on a case. Enter the Category and press ENTER. Select ('S') a Recipient (with a key length of 12) from the list of valid Recipients.
Expected Results: A window of information about the Recipient will be displayed. Press ENTER.
Expected Results: The Transfer Transactions screen will be displayed with the information about the Recipient.
- Schedule and run report 016 (Daily Transaction Report).
Expected Results: Report should run successfully.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND3170PD	Browse ND-TABLE Recipient Table	Program
NDR016AA		PDA
NDR016LA		LDA
NDTXALA		LDA
NDX599NA	Case from History to Active file	Subpgm
NDX599NB	Case from History to Active file	Subpgm
NDX599NC	Case from History to Active file	Subpgm

APPENDIX D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NPDMS SOFTWARE RELEASE 2.4.2

Introduction

Release information:

System Name: NPDMS
Release Number: 2.4.2
Release Date: September 30, 1999
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:

- xxMOV.NPDMS.PROD.R242.R1099.DOC
- xxMOV.NPDMS.PROD.R242.R1099.SRC

Where "xx" is replaced by the appropriate NASA Center designation.

AR - ARC
GS - GSFC
HQ - HQ
J5 - JSC
LA - LaRC
LE - GRC (Glenn)
KS - KSC
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/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 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/Object Code

2.1 Copy Source Code

Load the NPDMS library from dataset xxMOV.NPDMS.PROD.R242.R1099.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	3
MAPS	0
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	3
PROGRAMS	2
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	8

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules

1. NDX599NB Subprogram
2. NDX599NC Subprogram

Changed Modules

1. ND3170PD Program
2. **NDR016AA PDA Added 10/5/99**
3. NDR016LA LDA
4. NDR023PB Program
5. NDTXALA LDA
6. NDX599NA Subprogram

Deleted Modules

There are no modules deleted with this release.

3.0 Pre-Predict Data Conversion

Not applicable with this release.

4.0 Install Predict

4.1 Data Dictionary Changes

Not applicable with this release.

4.1.2 Storage Considerations

Not applicable with this release.

4.1.3 Physical File Changes

Not applicable with this release.

5.0 Catalog Source Code

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

There is no post-Predict data conversion required.

7.0 Perform Release-Specific Procedures

There are no Release-Specific Procedures required.

8.0 Local JCL Mods

There is no Local JCL Mods required.

9.0 Installation Checklist

- 1.0 Back Up Existing Data
- 2.0 Copy Source/Object Code
 - 2.1 Copy Source Code
 - 2.2 List of Source Code Modifications
- 5.0 Catalog Source Code