



AUTOMATED INFORMATION MANAGEMENT

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

Release 1.4.1

AIM-NPDMS-VDD-13

PrISMS Contract

November 1996



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 1.4.1**

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1.0 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 1.4.1 and has an effective release date of November 15, 1996.

1.2 PURPOSE OF THE RELEASE

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

<u>CCR</u>	<u>Title</u>
307	Inventory Controlled By Account or Location
308	Controlled Delete X15 (Receipt From Return of Record Historical File)
311	Disposal of Equipment with Inventory Discrepancy Flag = 'L'
318	Multiple Users Accessing the ND-Table File to Generate Sequence Number Locking Up
320	Natural Error 3047 When Closing Lots on Closed Bids
322	Subinstallation Not Separated from Main Installation on READS/FINDS/End Report Message

1.3 SCOPE

This VDD provides the functional and technical user of NPDMS with information regarding the contents, status, and structure of Release 1.4.1, including the following:

- Changes implemented since Release 1.4.
- 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: (205) 544-6673

Email: jim.crowell@msfc.nasa.gov

FAX: (205) 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 release has no functional impact on interfaces with any Automated Information Management (AIM) application.

2.3 CRITICAL ISSUES

This section is not applicable for this release.

2.4 AFFECTED DOCUMENTS

No documents are affected by 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 systems interface issues with this release.

3.2 DATA DICTIONARY CHANGES

There are no 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, 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 1.4.1 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

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

APPENDIX A
ABBREVIATIONS AND ACRONYMS

ABBREVIATIONS AND ACRONYMS

AIM	Automated Information Management
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 Agency wide Administrative Systems
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 an AIM software release and places it into operational use.

Operational Preparation

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

System Administration

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

Waiver

A written authorization, from the AIM Program Director, for a Development Installation to deviate from a specific AIM standard or guideline in the implementation of an AIM software application—waivers may be permanent or temporary.

APPENDIX C
FUNCTIONAL CHANGE VALIDATION
PROCEDURES

FUNCTIONAL CHANGE VALIDATION PROCEDURES

Index of validation procedures for changes in this release.

Section	CCR	Title
1.0	307	Inventory Controlled By Account or Location
2.0	308	Controlled Delete X15 (Receipt From Return of Record to Historical File)
3.0	311	Disposal of Equipment With Inventory discrepancy Flag = 'L'
4.0	318	Multiple Users Accessing the ND-Table File to Generate Sequence Number Locking Up
5.0	320	Natural Error 3047 When Closing Lots on Closed Bids
6.0	322	Subinstallation Not Separated from Main Installation on READS/FINDS/End Report Message

Details for the validation procedures follow:

1.0 CCR 307 (Inventory Controlled By Account or Location)

The I90 transaction that NPDMS produces in NEMS Inventory only writes to account field (STA-ACCOUNT-NO) on the Stats-File.

Description of Change

Make the Add transaction in NPDMS write to the NEMS Inventory Stats-File in either Account or Location field.

Functional Impact

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

Validation Procedures

- Requires inventory process open with location processing.
- Excess item that has Discrepancy of overage.
- Verify that the stats in NEMS are adjusted correctly.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
NDXNEMPA	NPDMS/NEMS Interface	PGM	307, 308, 311

2.0 CCR 308 (Controlled Delete X15 (Receipt From Return of Record to Historical File))

A delete transaction in NPDMS (E03) does not return a record to NEMS active equipment file (X15) if the add transaction in NPDMS (E01) processed a delete transaction in NEMS active Equipment File (I90) that cleared an inventory discrepancy.

Description of Change

Mirror the I90 and X90 transaction so that a X15 transaction returns an item from historical file when the item was an inventory discrepancy.

Functional Impact

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

Validation Procedures

- Find or create an add transaction that creates an I90 NEMS transaction
- Delete the NPDMS case with an E03 reversal
- Verify that the item was placed back into NEMS Active Equipment file with an X15.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
NDXNEMPA	NPDMS/NEMS Interface	PGM	307, 308, 311

3.0 CCR 311 (Disposal of Equipment With Inventory discrepancy Flag = ‘L’)

NPDMS should not check the NEMS Inventory for a Location Discrepancy (INV-DISCREPANCY-FLAG of ‘L’). Inventory discrepancies are defined as overages or underages only.

Description of Change

NPDMS should not check the NEMS Inventory file for a location discrepancy (INV-DISCREPANCY-FLAG OF ‘L’).

Functional Impact

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

Validation Procedures

- Requires NEMS Inventory process active.
- Excess an item that has a discrepancy.
- Verify that the item is excessed and the stats inventory are not changed.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
NDXNEMPA	NPDMS/NEMS Interface	PGM	307, 308, 311

4.0 CCR 318 (Multiple Users Accessing the ND-Table File to Generate Sequence Number Locking Up)

Multiple Users Accessing the ND-Table File to Generate Sequence Number Locking Up (Partial Solution to problem being implemented, Users can perform NPDMS adds, changes, and receipts together, but can not also process sales lotting and awards with adds, changes and receipts.)

Description of Change

Make the Add Case, Change Case, and Issue Receipts able to function simultaneously.

Functional Impact

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

Validation Procedures

- Have 2 users adding cases, 2 users changing cases, and 2 users processing receipts for 15-20 minutes.
- Verify that the 6 users are able to process without receiving a fatal error.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
ND4110PA	Add Case	PGM	318
ND4110TB	Add Case Program Doc	TEXT	318
ND4210PA	Change Case	PGM	318

5.0 CCR 320 (Natural Error 3047 When Closing Lots on Closed Bids)

Trying to process too many records in a single pass and exceeding the AIM Standard for processing records by ISN number. The Maximum is 500.

Description of Change

Redesign the process so that this AIM Standard will not be exceeded.

Functional Impact

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

Validation Procedures

- Find or create a sealed bid sale with a lot that contains a large number of case numbers.
- Close lot on closed bids from the sale in the previous step.
- Verify that fatal error does not occur.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
ND4960PA	Close Lots	PGM	320

6.0 CCR 322 (Subinstallation Not Separated from Main Installation on READS/FINDS/End Report Message)

Subinstallation not separated from main installation on reads. End of Report is not displaying report name. Cases with reversal ERNs present should not be included. Remove redundant CALLNAT to NDB001NA.

Description of Change

Modify to allow subinstallation reporting. Modify to include report name in End of Report Message. Modify to exclude cases with a reversal ERN. Remove CALLNAT to NDB001NA.

Functional Impact

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

Validation Procedures

- Schedule report 160 to run for an Installation.
- Schedule report 160 to run for a Subinstallation.
- Verify that Installation data only reports on the report run for the Installation.
- Verify that Subinstallation data only reports on the report run for the Subinstallation.
- Verify that End of Report: contains the report name for both Part A and Part B.
- Verify that cases with a reversal ERN are not included in the totals
- Verify that the message “No Record for User Found in Table 001” does not show up in the output.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>	<u>CCR#</u>
NDR160PA	160 Report Part B	PGM	322
NDR160PB	160 Report Part A	PGM	322

APPENDIX D
INSTALLATION INSTRUCTIONS
FOR NPDMS SOFTWARE RELEASE 1.4.1

INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NPDMS SOFTWARE RELEASE 1.4.1

Introduction

Release information:

System Name: NPDMS
Release Number: 1.4.1
Release Date: November 15, 1996
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: (205) 544-6673
Email: jim.crowell@msfc.nasa.gov
FAX: (205) 544-1836

The following datasets are located on the AIM Central Distribution Facility as AIM data sets.

- AIMS.NPDMS.PROD.REL141.REL1196.SRC
- AIMS.NPDMS.PROD.REL141.REL1196.DOC

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 AMS source library from dataset AIMS.NPDMS.PROD.REL141.REL1196.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	
COPYCODE	0
GLOBALS	0
HELP	0
LDA	0
MAP	0
PDA	0
PROGRAM	7
SUB PGM	0
SUBROUTINES	0
TEXT	1
Total:	8

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules

There are no new modules associated with this release.

Changed Modules

1. NDO000PA NPDMS Banner Screen
2. NDR160PA 160 Report Part B
3. NDR160PB 160 Report Part A
4. NDXNEMPA NPDMS/NEMS Interface
5. ND4110PA Add Case
6. ND4110TB Add Case Program Documentation
7. ND4210PA Change Case
8. ND4960PA Close Lots

Deleted Modules

There are no modules deleted with this release.

2.3 Copy Object Modules

Not applicable with this release.

3.0 Pre-Predict Data Conversion

Not applicable with this release.

4.0 Install Predict

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 AIM Batch standard parameters should be used for the compile.

After all objects are compiled, the NPDMS application will run under the AIM 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 with this release.

8.0 Local JCL Mods

There are no local JCL mods with this release.

9.0 Installation Checklist

- 1.0 Back Up Existing Data
- 2.1 Copy Source Code
- 5.0 Catalog Source Code