

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

Release 4.5 Beta

NASA-NPDMS-VDD-14

UNITeS Contract

December 3, 2004



**VERSION DESCRIPTION DOCUMENT FOR THE  
NASA PROPERTY DISPOSAL MANAGEMENT SYSTEM (NPDMS)  
RELEASE 4.5 Beta**

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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 4.5 and has an effective release date of December 3, 2004.

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

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

<u>CCR</u>	<u>Title</u>
506	<a href="#">Deleting pictures</a>
517	<a href="#">SESAAS database for GSA pictures</a>
518	<a href="#">Web screening picture selection</a>
519	<a href="#">Improve the extract process for GSA pictures</a>
520	<a href="#">GSA pictures inquire process</a>
521	<a href="#">Upload pictures into database</a>
523	<a href="#">Unique job names</a>
526	<a href="#">Exclude NEMS transaction 72 from NEMS-HISTORY check</a>

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 4.5, including the following:

- Changes implemented since Release 4.4.1;
- 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 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](mailto: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. 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**

The following documents were changed for this release:

NPDMS User and Operations Guide (UOG)  
NPDMS Data Dictionary

### **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 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, 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 4.5 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
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 Application Services
UNITeS	Unified NASA Information Technology Services
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:

<b>Section</b>	<b>CCR</b>	<b>Title</b>
1.0	506	<a href="#"><u>Deleting pictures</u></a>
2.0	517	<a href="#"><u>SESAAS database for GSA pictures</u></a>
3.0	518	<a href="#"><u>Web screening picture selection</u></a>
4.0	519	<a href="#"><u>Improve the extract process for GSA pictures</u></a>
5.0	520	<a href="#"><u>GSA pictures inquire process</u></a>
6.0	521	<a href="#"><u>Upload pictures into database</u></a>
7.0	523	<a href="#"><u>Unique job names</u></a>
8.0	526	<a href="#"><u>Exclude NEMS transaction 74 from NEMS-HISTORY check</u></a>

Details for the validation procedures follow:

## **1.0 CCR 506 – DELETING PICTURES**

We do not need to keep pictures after a case has been completed.

### **Description of Change**

Code was changed to delete pictures from the GSA Pictures Database when the case has been moved to the Case History file.

### **Functional Impact**

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

### **Validation Procedures**

Validation of this CCR will be performed by SESAAS.

- Run the module that will create the file of cases added to the Case History file. Run the script to remove the pictures from the GSA Pictures Database. Expected Results: Pictures added on the Case History file will be removed from the GSA Pictures Database.

---

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDWEXTPA	Extract Case Numbers	Program

## **2.0 CCR 517 – SESAAS DATABASE FOR GSA PICTURES.**

The management of pictures between the centers, SESAAS, GSA, and the screening web site needs to be improved.

### **Description of Change**

Code was changed to create a database for GSA Pictures

### **Functional Impact**

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

### **Validation Procedures**

- Upload a picture to transmit to GSA using the GSA Pictures Upload Selection screen.  
Expected Results: Picture will be added to the GSA Pictures Database.

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<b><u>MODULE ID</u></b>	<b><u>MODULE NAME</u></b>	<b><u>TYPE</u></b>
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### **3.0 CCR 518 – WEB SCREENING PICTURE SELECTION**

The web screening facility should take advantage of a new database for GSA pictures.

#### **Description of Change**

Code was added to show the GSA pictures from the GSA Picture Database.

#### **Functional Impact**

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

#### **Validation Procedures**

- From the NASA Property Screening view a picture(s) for a case.  
Expected Results: The picture(s) will be displayed with the case details.

---

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
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#### **4.0 CCR 519 – IMPROVE THE EXTRACT PROCESS FOR GSA PICTURES**

Centers would benefit from an improvement in the picture extract process that selects pictures for GSA transmission.

##### **Description of Change**

Code was changed to extract the pictures that are being sent to GSA from the new GSA Pictures Database.

##### **Functional Impact**

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

##### **Validation Procedures**

Validation of this CCR will be performed by SESAAS.

- Transmit pictures to GSA  
Expected Results: Picture will be transmitted to GSA from the GSA Pictures Database.

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<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
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## **5.0 CCR 520 – GSA PICTURES INQUIRE PROCESS**

The uploading of pictures by the centers to SESAAS would benefit from an inquire process that access the database.

### **Description of Change**

Code was changed to allow the user to view the pictures added from the Disposal Items List option.

### **Functional Impact**

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

### **Validation Procedures**

- Display the case Detail information for a case that a picture was added for.  
Expected Results: Picture(s) will be displayed for the selected case.

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<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
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## **6.0 CCR 521 – UPLOAD PICTURES INTO DATABASE**

Managing pictures from the centers is cumbersome.

### **Description of Change**

Code was changed to add the picture(s) for a case into the GSA Pictures Database when uploading the picture(s).

### **Functional Impact**

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

### **Validation Procedures**

- Perform the picture upload process for a case(s).  
Expected Results: Picture(s) will be uploaded into the GSA Pictures Database.

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<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
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## **7.0 CCR 523– UNIQUE JOB NAMES**

Currently all overnight jobs have the same job name. It would make it easier to identify which job to look at if there is a problem, or to just check on the job.

### **Description of Change**

Code was changed to allow the report number or maintenance number appear as the last 4 characters in the job name.

### **Functional Impact**

The job card on the User Access Table (001) must be changed to contain #JN# in the last 4 positions of the job name.

### **Validation Procedures**

- Schedule and run a report or several reports.  
Expected Results: The job name will contain the report number or maintenance number as the last 4 characters in the job name.

---

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDB000PA	Batch Processing Driver Program	Program

## **8.0 CCR 526– EXCLUDE NEMS TRANSACTION 74 FROM NEMS-HISTORY CHECK**

When performing a non-controlled add, the model number and serial number are checked against the NEMS-HISTORY file to see if there is a match. If a match is found the user has the opportunity to process as a controlled add. If a match is found for an item that was re-tagged (NEMS transaction 74) this item will pick up the wrong ECN.

### **Description of Change**

Code was changed to exclude NEMS transaction 74 when looking for a match on the model number and serial number on the NEMS-HISTORY file.

### **Functional Impact**

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

### **Validation Procedures**

- Convert a Non-Controlled Add to a Controlled Add for a model number and serial number match for an ECN that has been retagged (NEMS transactions 14/74). The new ECN must also have been deleted and on the NEMS-HISTORY file

Expected Results: The new ECN that was deleted will be displayed on the NEMS History Warning window NEXNEMNA with the description for the delete transaction.

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<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDXNEMSA	Non-Controlled to Controlled	Subtrn

## **APPENDIX D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NPDMS SOFTWARE RELEASE 4.5**

### **Introduction**

Release information:

System Name: NPDMS  
Release Number: 4.5  
Release Date: December 3, 2004  
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](mailto: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.BETA.R450.R1004.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**

This will be performed by SESAAS for the core modules. Any changes for site unique versions of these modules will be performed by the centers.

### **2.1 Copy Source Code**

Load the NPDMS source library from following datasets:

MSMOV.NPDMS.BETA.R450.R1004.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	1
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:**

1. NDWEXTPA Program

### **Changed Modules:**

2. NDB000PA Program
3. NDO000PA Program
4. NDXNEMSA Subroutine

### **Deleted Modules:**

None

## 3.0 Pre-Predict Data Conversion

Not Applicable

#### **4.0 Install Predict**

This will be performed by SESAAS on the consolidated files.

#### **4.1 Data Dictionary Changes**

Not applicable for this release.

##### **4.1.1 Inventory of Objects**

Not applicable for this release.

##### **4.1.2 Storage Considerations**

Not applicable with this release.

##### **4.1.3 Physical File Changes**

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.

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 for this release.

## **8.0 Local JCL Mods**

Not applicable for this release.

## **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