

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

Release 2.5

NASA-NPDMS-VDD-13

PrISMS Contract

February 29, 2000



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 2.5**

Submitted by

Neal Cantrell Functional Area Lead	Date
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Reviewed by
CSC

Steve Rowell Agencywide IRM, Property and System's Procurement	Date
--	------

Richard Bishop DBA	Date
-----------------------	------

Hector Garcia Agencywide IRM	Date
---------------------------------	------

Jim Cofer Configuration Management	Date
---------------------------------------	------

Prepared by

Computer Sciences Corporation, Contract NAS8-60000

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

February 29, 2000

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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 2.5 and has an effective release date of February 29, 2000.

1.2 PURPOSE OF THE RELEASE

This release implements modifications for the following Change Control Requests (CCRs): (**NOTE:** CCRs with an * are IFM CCRs and do not have to be tested for this release.)

<u>CCR</u>	<u>Title</u>
368	Identify Heritage Assets (NEMS CCR 232)
369	* IFM – Change default on ref_seq_no
372	Report 023 – Performance Measures
373	Report 004 – Items reported to GSA over 180 days
374	* Add T19/RT19 to the transactions reported to IFM
377	Default Region 8 for FSC 1005 and 1010 (Firearms)
379	Y2K medical and ADP property
380	Enhance performance of Non-Federal Recipients Report (160)
381	Change delete transaction (E03) to NEMS D15 transaction
383	Report of final dispositions for each FSC within a date range
386	* Add Contract Number and Appropriation Year to IFM pop-up
387	Delete transactions reporting to GSA more than once
388	Workfile not created for 160 report when no T16 transactions

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

<u>CCR</u>	<u>Title</u>
375	Incorrect COST on NEMS-DAILY-TXN file
384	NPDMS batch stopping when report completed

1.3 SCOPE

This VDD provides the functional and technical user of NPDMS with information regarding the contents, status, and structure of Release 2.5, including the following:

- Changes implemented since Release 2.4.2.
- 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. 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 are affected by 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 systems interface issues with this release.

3.2 DATA DICTIONARY CHANGES

Refer to Appendix D, Section 4.0, 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 2.5 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
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. (**NOTE:** CCRs with an * are IFM CCRs and do not have to be tested for this release.)

Section	CCR	Title
1.0	368	Identify Heritage Assets (NEMS CCR 232)
2.0	369	* IFM – Change default on ref_seq_no
3.0	372	Report 023 – Performance Measures
4.0	373	Report 004 – Items reported to GSA over 180 days
5.0	374	* Add T19/RT19 to the transactions reported to IFM
6.0	375	Incorrect COST on NEMS-DAILY-TXN file
7.0	377	Default Region 8 for FSC 1005 and 1010 (Firearms)
8.0	379	Y2K medical and ADP property
9.0	380	Enhance performance of Non-Federal Recipients Report (160)
10.0	381	Change delete transaction (E03) to NEMS D15 transaction
11.0	383	Report of final dispositions for each FSC within a date range
12.0	384	NPDMS batch stopping when report completed
13.0	386	* Add Contract Number and Appropriation Year
14.0	387	Delete transactions reporting to GSA more than once
15.0	388	Workfile not created for 160 report when no T16 transactions

Details for the validation procedures follow:

1.0 CCR 368 Identify Heritage Assets (NEMS CCR 232)

A new field for Heritage Assets (HERITAGE-CODE) was created for NEMS. This field will need to be moved from the NEMS-EQUIPMENT file to the NEMS-HISTORY file when a NEMS item is added to NPDMS (and therefore deleted from NEMS). If the NEMS item is deleted from NPDMS (and therefore added back into NEMS) this field will need to be moved from the NEMS-HISTORY file back into the NEMS-EQUIPMENT file.

Description of Change

Code was changed in NDXNEMPA to move the HERITAGE-CODE from the NEMS-EQUIPMENT file to the NEMS-HISTORY file when a NEMS item is added to NPDMS or from the NEMS-HISTORY file to the NEMS-EQUIPMENT file when a NEMS item is deleted from NPDMS.

Functional Impact

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

Validation Procedures

- Add a controlled case into NPDMS.
Expected result: The ECN and the HERITAGE-CODE for the controlled case will be moved from the NEMS-EQUIPMENT file to the NEMS-HISTORY file.
- Delete a controlled case from NPDMS.
Expected result: The ECN and the HERITAGE-CODE for the controlled case will be moved from the NEMS-HISTORY file to the NEMS-EQUIPMENT file.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDNEMDLA		LDA
NDNEMHLA		LDA
NDNEMQLA		LDA
NDXNEMPA	NEMS interface with NPDMS	Program

2.0 CCR 369 IFM – Change default on ref_seq_no

In the NPDMS - IFM IDA the default for the ref_seq_no field is defined to default to '0000'. The default should be changed to blank.

Description of Change

Code was changed to default the ref_seq_no to blank.

Functional Impact

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

Validation Procedures

- Schedule and run the 210 report.
Expected result: The ref_seq_no field should be blank.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR210PA	Create IFM flat file	Program
ND4110PA	On-line Add	Program
ND4110TB	On-line Add Documentation	Text

3.0 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 in report 023 to "mirror" the Performance Measures form so that manual calculations or data input is required. Report parameters were changed to allow input of the following fields: NEMS Screening Count OAC (Original Acquisition Cost), NEMS Accepted Internal Count OAC, NEMS Prior Period Internal OAC, NEMS Accepted External Count OAC, NEMS Prior Period External OAC, NPDMS Property Pending Final Disposition Count and OAC. Another code change was made 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. Enter desired data in the "Additional Data For The Performance Measures Report". Run report 023.
Expected results: Report 023 should execute successfully. The Original Acquisition Cost (OAC) should be displayed in sections 1, 2, and 3. The totals from the detail portion of the report should balance to the corresponding lines in Sections 1, 2, and/or 3. The Disposition Quantity and Disposition Cost should be displayed for all cases.
- Schedule report 023 (Performance Measures Report) for a specific time period. Enter desired data in the "Additional Data For The Performance Measures Report". Update report 023. Change something on the "Additional Data For The Performance Measures Report".
Expected results: Report 023 should execute successfully. The Original Acquisition Cost (OAC) should be displayed in sections 1, 2, and 3. The totals from the detail portion of the report should balance to the corresponding lines in Sections 1, 2, and/or 3. The Disposition Quantity and Disposition Cost should be displayed for all cases.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR023MA		Map
NDR023MB		Map
NDR023MC		Map
NDR023PA	NPDMS Performance Measures Report	Program
NDR023PB	NPDMS Performance Measures Report, Detail Listing	Program

ND2200MC
ND2200PA
ND2300PA

Reports Request
Add, Change, and Delete the running of Reports

Map
Program
Program

4.0 CCR 373 Report 004 – Items reported to GSA over 180 days

Currently the 004 report is set up to report items that have been in NPDMS over 180 days and do not have a termination date associated with the case. Change the number of days from 180 to 124 so this information can be included on the 023 Performance measures report. Also include the Original Acquisition Cost on this report.

Description of Change

The Number of Days was changed to a required field for the 004 report. The number of days will then be a parameter to the 004 report and allow the report to be run for varying number of days.

Functional Impact

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

Validation Procedures

- Schedule and run the 004 report. The report should be scheduled with the number of days equal to 124.
Expected result: The report will run successfully and list the cases that have been reported to GSA for greater than or equal to 124 days that do not have a termination date.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR004MB		Map
NDR004PA	Items reported to GSA over 180 days	Program

5.0 CCR 374 Add T19/RT19 to the transactions reported to IFM

Originally the T19 (Transfer of Exchange/Sale Property (to NASA or OFA)) and RT19 (Transfer of Exchange/Sale Property (to NASA or OFA) reversal) were not included in the NPDMS/IFM IDA. These 2 transactions have been added to the list.

Description of Change

Code was changed to add the T19 and RT19 transactions to the NPDMS/IFM interface file.

Functional Impact

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

Validation Procedures

- Add 3 T19 transactions and 1 RT19 transaction. Schedule and run the 210 report.
Expected result: The 3 T19 transaction and 1 RT19 transaction will be reported on the NPDMS/IFM transaction file.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR210PA	Create IFM flat file	Program

6.0 CCR 375 Incorrect COST on NEMS-DAILY-TXN file

If the UNIT ACQ COST is changed in NPDMS the new cost is reported on the NEMS-DAILY-TXN file instead of the NEMS COST.

Description of Change

Code was changed to use the COST from the NEMS-EQUIP-HISTORY file instead of the cost from #G-PROP-ADJSTD-ACQSTN-COST-AMT (the new NPDMS cost).

Functional Impact

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

Validation Procedures

- Add a controlled case (know what the NEMS COST is) changing the Unit Acq Cost to something other than the NEMS COST.
Expected result: The NEMS Daily Transaction file should show what the NEMS COST was and not the NPDMS Unit Acq Cost.

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

7.0 CCR 377 Default Region 8 for FSC 1005 and 1010 (Firearms)

The Federal Register/Vol. 64, No. 144/ Wednesday, July 28, 1999/Rules and Regulations specifies that: " (c) With respect to firearms, executive agencies must report the following firearms, regardless of unit cost when assigned a disposal condition code of 4 or better as defined in paragraph (e) of this section, to the General Services Administration (7FP-8), Denver, CO 80226-0506. (1) Handguns, rifles, shotguns, and individual light automatic weapons, all less than .50 caliber in FSC 1005; and (2) Rifles and shoulder fired grenade launchers in FSC 1010."

Description of Change

Code was changed to default the GSA region code to 08 if the FSC is 1005 or 1010 and the condition code is 4 or better (1 or 4) for an add transaction.

Functional Impact

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

Validation Procedures

- Enter a case with an FSC of 1005 and a Condition Code of 1. Press ENTER.
Expected Results: Add Screen 2 will be displayed with a GSA Region 08.
- Enter a case with an FSC of 1005 and a Condition Code of 4. Press ENTER.
Expected Results: Add Screen 2 will be displayed with a GSA Region 08.
- Enter a case with an FSC of 1005 and a Condition Code of 7. Press ENTER.
Expected Results: Add Screen 2 will be displayed with the center's default GSA Region.
- Enter a case with an FSC of 1010 and a Condition Code of 1. Press ENTER.
Expected Results: Add Screen 2 will be displayed with a GSA Region 08.
- Enter a case with an FSC of 1010 and a Condition Code of 4. Press ENTER.
Expected Results: Add Screen 2 will be displayed with a GSA Region 08.
- Enter a case with an FSC of 1010 and a Condition Code of 7. Press ENTER.
Expected Results: Add Screen 2 will be displayed with the center's default GSA Region.

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

8.0 CCR 379 Y2K medical and ADP property

For FSG 65 (Medical) and 70 (ADP) there is not a way to identify if it is Y2K compliant, Y2K non-compliant, or if it is not known whether it is Y2K compliant or not.

Description of Change

Code was changed to allow input of the Y2K status and a Certifier's Name. The Y2K status and Certifier's Name will also be passed to GSA on the description record.

Functional Impact

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

Validation Procedures

- Add a case with an FSG of 65 or 70.
Expected Results: A window will be displayed after the 1st add screen prompting the user for entry of the Y2K status and a Certifier's Name.
- Process a receipt for a case with an FSG of 65 or 70.
Expected Results: A window will be displayed after the receipt transaction screen prompting the user for entry of the Y2K status and a Certifier's Name.
- Change a case with an FSG of 65 or 70.
Expected Results: A window will be displayed after the 1st change screen prompting the user for entry of the Y2K status and a Certifier's Name.
- Do a case review for one of the cases above. Press the PF4 Key.
Expected Results: A window will be displayed showing the Y2K status and the Certifier's Name.
- Schedule and run the NDR110PA report.
Expected Results: The file to GSA should be created with the Y2K status and Certifier's Name in the description record.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND4000PA	Online Display of Case Record	Program
ND4000PB	Online Display of Case Record	Program
ND4000PC	Online Display of Case Record	Program
ND4110AA		LDA
ND4110PA	Online Add	Program
ND4110TB	Online Add Documentation	Text
ND4210NA	Case modification check	Subpgm
ND4210NE	Set Y2K Flags	Subpgm
ND4210NF	Change Process	Subpgm
ND4210PA	On-Line Change	Program
ND4210TB	Documentation for ND4210PA	Text
ND4700LA		LDA
ND5102PA	Receipt T02	Program

NDCASELA		LDA
NDCASHLA		LDA
NDR016AA		PDA
NDR016LA		LDA
NDR110PA	GSA Dataset Generation	Program
NDR150MA		Map
NDR150PA	NF-1638 Idle Personal Property Pickup Authorization Generation	Program
NDTXAALA		LDA
NDTXAELA		LDA
NDTXHDLB		LDA
NDXHSTPA	Delete and Retires Case and Transaction records to History	Program
NDUY2KMA		Map
NDUY2KMB		Map

9.0 CCR 380 Enhance performance on Non-Federal Recipients Report (160)

Currently some of the centers have a lot of data on their History files. This is causing an error 1003 (too many reads) when they run the Non-Federal Recipients Report (160).

Description of Change

Code was changed to reduce the number of reads on the History and Active files.

Functional Impact

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

Validation Procedures

- Schedule and run report 160.
Expected Results: Report will run with no errors encountered.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR160PA	Non-Federal Recipients Report, Part A	Program
NDR160PB	Non-Federal Recipients Report, Part B	Program

10.0 CCR 381 Change delete transaction (E03) to NEMS D15 transaction
NPDMS currently produces 2 types of NEMS X15 transactions (Receipt from return of record from NEMS historical file transaction). The NEMS X15 transactions are produced from an E03 (NPDMS delete) or a RTnn (NPDMS reversal of final disposition) transaction. Only the X15 produced from the E03 brings the NEMS record back to the active NEMS file from the NEMS history file.

Description of Change

Code was changed to produce a D15 transaction for NEMS when a NPDMS E03 (NPDMS delete) is performed.

Functional Impact

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

Validation Procedures

- Delete a Controlled case.
Expected Results: A D15 transaction for NEMS will be added to the NEMS Daily Transaction file.

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

11.0 CCR 383 Report of final dispositions for each FSC within a date range
Report of final dispositions for each FSC within a date range

Description of Change

Code was changed to create a report that listed the quantity and acquisition amount for each disposal condition code of final dispositions for each FSC. The report will also have subtotal by FSG and a grand total.

Functional Impact

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

Validation Procedures

- Schedule and run report 230 (Final disposition for each FSC code)
Expected Results: Report should run successfully and list the disposal condition codes, disposition quantity, and acquisition amounts for the FSC codes within the date range specified when scheduling the 230 report.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR230MA		Map
NDR230PA	Final Disposition for each FSC within a date range	Program

12.0 CCR 384 NPDMS batch stopping when report completed

NPDMS batch stopping when report completed.

Description of Change

Code was changed to enable the batch submission to continue after the 210 or 220 reports have been completed.

Functional Impact

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

Validation Procedures

- Schedule and run the 220 and 230 reports.
Expected Results: Both reports should run successfully. Report 220 should execute before report 230.
- (This is the IFM report and is optional) Schedule and run the 210 and 230 reports.
Expected Results: Both reports should run successfully. Report 210 should execute before report 230.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR210PB	IFM File Name	Program
NDR220PA	Archive History Files	Program

13.0 CCR 386 Add Contract Number and Appropriation Year to IFM pop-up

Currently in NPDMS there are not fields for contract number and appropriation year. These fields need to be added to the IFM pop-up so they can be passed on the NPDMS/IFM interface file.

Description of Change

Code was changed to add the contract number and appropriation year fields to the IFM pop-up window as mandatory fields. These 2 fields will be populated on the NPDMS/IFM interface file.

Functional Impact

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

Validation Procedures

- Add a Non-Controlled Case.
Expected Results: The IFM pop-up window should display after the GSA Reporting Data Screen and contain the Contract Number and Appropriation Year fields for mandatory input.
- Schedule and run the 210 report.
Expected result: Contract Number and Appropriation Year fields will be populated on the NPDMS/IFM transaction file.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDIFM2MA		Map
NDIFM2NA	IFMP Window	Subpgm
NDR210PA	Create IFM Flat File	Program

14.0 CCR 387 Delete transactions reporting to GSA more than once

If a case is disposed of before the surplus release date then a record is sent to GSA notifying them that the case has been deleted. The history file is checked for cases that have been disposed of within the last 10 days and if the property termination date is less than the surplus release date then the property is reported to GSA. Requirement is to mark the case record so that it will only be transmitted to GSA one time.

Description of Change

Code was changed to indicate that the case has been reported to GSA.

Functional Impact

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

Validation Procedures

- Dispose of a Case several days before the SRD date (the case should have already been reported to GSA). Schedule and run the NDR110PA report.
Expected Results: Case will be reported to GSA with a NNY in the Report Type Flag (NNY = Delete).
- Schedule and run the NDR110PA report the next day
Expected Results: The Case from above will not be reported again to GSA.

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

15.0 CCR 388 Workfile not created for 160 report when no T16 transactions

The 160 report program does not create the workfile to be used later in the report when there are not any T16 transactions. The workfile is then tried to be read and an error is received.

Description of Change

Code was changed to print a no data message when there are no T16 records for a time period.

Functional Impact

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

Validation Procedures

- Schedule and run the 160 report for a time period when there are no T16 transactions.

Expected Results: The 160 report should run successfully and print a no data message.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR160PA	Non-Federal Recipients Report	Program

APPENDIX D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NPDMS SOFTWARE RELEASE 2.5

Introduction

Release information:

System Name: NPDMS
Release Number: 2.5
Release Date: February 29, 2000
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.R250.R0200.DOC
xxMOV.NPDMS.PROD.R250.R0200.ERR
xxMOV.NPDMS.PROD.R250.R0200.PR
xxMOV.NPDMS.PROD.R250.R0200.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/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 source library from dataset xxmov.NPDMS.PROD.R250.R0200.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	12
MAPS	10
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	4
PROGRAMS	22
COPYCODE	0
TEXT	2
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	50

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules

1. NDR230MA Map
2. NDR230PA Program
3. NDUY2KMA Map
4. NDUY2KMB Map
5. ND4000PB Program
6. ND4000PC Program
7. ND4210NE Subprogram
8. ND4210NF Subprogram

Changed Modules

1. NDCASELA LDA
2. NDCASHLA LDA
3. NDIFM2MA Map
4. NDIFM2NA Subprogram
5. NDNEMDLA LDA
6. NDNEMHLA LDA
7. NDNEMQLA LDA
8. NDO000PA Program
9. NDR004MB Map
10. NDR004PA Program
11. NDR016AA PDA
12. NDR016LA LDA
13. NDR023MA Map
14. NDR023MB Map
15. NDR023MC Map
16. NDR023PA Program
17. NDR023PB Program
18. NDR110PA Program
19. NDR150MA Map
20. NDR150PA Program
21. NDR160PA Program
22. NDR160PB Program
23. NDR210PA Program
24. NDR210PB Program
25. NDR220PA Program
26. NDTXAALA LDA
27. NDTXAELA LDA
28. NDTXHDLB LDA

29.NDXHSTPA	Program
30.NDXNEMPA	Program
31.ND2200MC	Map
32.ND2200PA	Program
33.ND2300PA	Program
34.ND4000PA	Program
35.ND4110AA	PDA
36.ND4110PA	Program
37.ND4110TB	Text
38.ND4210NA	Subprogram
39.ND4210PA	Program
40.ND4210TB	Text
41.ND4700LA	LDA
42.ND5102PA	Program

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

This release will include the new enhancements for version 2.5.0. Details for changes in this release can be found under paragraph 4.1.3 Physical File Changes or by performing Predict reporting on the keyword NPDMS-2.5.0.

Use SYSDICBE to load the PREDICT modifications from the dataset xxMOV.NPDMS.PROD.R250.R0200.PRD.

The following NPDMS DDMs should be generated after the PREDICT load is completed.

ND-CASE
 ND-CASE-HIST
 ND-TRANS-HIST
 ND-TRANSACTION

4.1.1 Inventory of Objects

The object types and inventory listed below represent a comprehensive count of the Predict object modules for this release.

PREDICT Objects by Type:

Keyword	-	1
Standard/Help files	-	1
ADABAS Files and Views	-	4
Data Elements	-	1500

4.1.2 Storage Considerations

Not applicable with this release.

4.1.3 Physical File Changes

Add the following fields:

ND-CASE		File # 248							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
1		PROP-Y2K-CRTFR-NAME	A	30.0				FT	N
1		PROP-Y2K-STC-CODE	A	1.0				FU	N

ADADBS NEWFIELD FILE=248
ADADBS FNDEF='01,FT,30,A,NU'
ADADBS FNDEF='01,FU,1,A,NU'

Add the following fields:

ND-CASE-HIST		File # 252							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
1		PROP-Y2K-CRTFR-NAME	A	30.0				FN	N
1		PROP-Y2K-STC-CODE	A	1.0				FO	N

ADADBS NEWFIELD FILE=252
ADADBS FNDEF='01,FN,30,A,NU'
ADADBS FNDEF='01,FO,1,A,NU'

```

ND-TRANS-HIST                               File # 251
  Ty L Field ID                               F Length  Occ  D U DB S
  * - - - - - * - - - - - * - - - - - * * - - *
    1 PROP-Y2K-CRTFR-NAME                     A   30.0           GK N
    1 PROP-Y2K-STS-CODE                       A    1.0           HR N

```

```

ADADBS NEWFIELD FILE=251
ADADBS FNDEF='01,GK,30,A,NU'
ADADBS FNDEF='01,HR,1,A,NU'

```

```

ND-TRANSACTION                               File # 250
  Ty L Field ID                               F Length  Occ  D U DB S
  * - - - - - * - - - - - * - - - - - * * - - *
    1 PROP-Y2K-CRTFR-NAME                     A   30.0           DX N
    1 PROP-Y2K-STS-CODE                       A    1.0           GK N

```

```

ADADBS NEWFIELD FILE=250
ADADBS FNDEF='01,DX,30,A,NU'
ADADBS FNDEF='01,GK,1,A,NU'

```

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

7.1 Load Natural Error Messages

Load error messages from the NASA Distribution data set xxMOV.NPDMS.PROD.REL250.R0200.ERR, using the NATURAL SYSERR utility ERRLODUS. This release contains 796 error messages, which will load to

the library NPDMS. For additional information concerning SYSERR, refer to the NATURAL 2 Administrator's Manual.

8.0 Local JCL Mods

The following changes should be made to the source JCL. The updated JCL should then be loaded into the NPDMS ND-TABLE file (JCL Table 140) using the utility program NDU140PA executed in batch. The following is an **example** of the JCL that will be needed to run the NDR230PA report and should be modified to meet each Center's standard. (NOTE: Lines in BOLD are added/changed lines.)

```
140R220PA1002 //***** NDR220PA *****
140R230PA1001 //*
140R230PA1002 //***** NDR230PA *****
140STNDRD2001 //*
140STNDRD2002 //DVNPDMS EXEC N01Z,DD='DD=+00',PRM='WFOPFA=#ON/OFF#'

140R220PA2011 //CMWKF03 DD DSN=MSIRM.NPDMDD.TEXT.ARCH1,
140R220PA2012 // DISP=(OLD,KEEP,KEEP),
140R220PA2013 // DCB=(RECFM=FB,LRECL=7004,BLKSIZE=7004),
140R220PA2014 // SPACE=(CYL,(40,20),RLSE),
140R220PA2015 // UNIT=SYSDA
140R230PA2001 //CMWKF01 DD DSN=MSIRM.NPDMDD.RPT230,
140R230PA2002 // DISP=(SHR,KEEP,KEEP),
140R230PA2003 // DCB=(RECFM=FB,LRECL=44,BLKSIZE=4400),
140R230PA2004 // SPACE=(CYL,(40,20),RLSE),
140R230PA2005 // UNIT=SYSDA
```

After the JCL has been added, NPDMS ND-TABLE file 055 (Report/Maintenance Selection Table) should be modified to include the new NDR230PA report. From the Main Menu Select Option 3 - Tables. On the Table File Update Menu Enter Table ID: **055** and Enter Selection: **A** (Add). On the RPT/MAINT SELECTION TABLE - 055 screen the following information should be entered to add the new reports:

Job Type Determination: **R**

Report/Maintenance Job No: **230**

Report Execution Sequence No: **100**

Description: **FINAL DISPOSITIONS FOR EACH FSC WITHIN A DATE RANGE**

Start Date: **B**

End Date: **B**

NPDMS ND-TABLE file 055 (Report/Maintenance Selection Table) should be modified to include the changes for the NDR004PA report. From the Main Menu Select Option 3 - Tables. On the Table File Update Menu Enter Table ID: **055** and Enter Selection: **C** (Change). On the RPT/MAINT SELECTION TABLE - 055 screen the following information should be entered to change the report:

Job Type Determination: **R**

Report/Maintenance Job No: **004**

Report Execution Sequence No: **100**

Description: **ITEMS REPORTED TO GSA OVER 180 DAYS**

Start Date:

End Date:

No. of Days: **B**

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
- 4.0 Install Predict
- 5.0 Catalog Source Code
- 7.0 Perform Release Specific Procedures
 - 7.1 Load Natural Error Messages
- 8.0 Local JCL Mods