

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

Release 2.3

NASA-NPDMS-VDD-13

PrISMS Contract

April 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 2.3**

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April 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 2.3 and has an effective release date of April 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>
342	Screening dates should not display when record suspended from reporting to GSA
344	IFM interface for NPDMS
345	Core modifications for IFMP standard interfaces
349	GSA region must correspond to state submitting
353	Quantity field on NDR023PA report
356	Convert GSA transmission to new format
360	Capitalization Value Calculation (NEMS CCR 208)
362	Increase field size for ##REC-NO

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

<u>CCR</u>	<u>Title</u>
348	Year field needs expanding to A4
355	Redefinition of superdescriptor SYS-DML-RANK-KEY-SP
357	Bid data not printing on report as expected.
358	User cannot change upset price unless she also changes warehouse location.

1.3 SCOPE

This VDD provides the functional and technical user of NPDMS with information regarding the contents, status, and structure of Release 2.3, including the following:

- Changes implemented since Release 2.1.
- 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. 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 2.3 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	342	Screening dates should not display when record suspended from reporting to GSA
2.0	344	IFM interface for NPDMS
3.0	345	Core modifications for IFMP standard interfaces
4.0	348	Year field needs expanding to A4
5.0	349	GSA region must correspond to state submitting
6.0	353	Quantity field on NDR023PA report
7.0	355	Redefinition of superdescriptor SYS-DML-RANK-KEY-SP
8.0	356	Convert GSA transmission processing to new format
9.0	357	Bid data not printing on report as expected
10.0	358	User cannot change upset price unless she also changes warehouse location.
11.0	360	Capitalization Value Calculation (NEMS CCR 208)
12.0	362	Increase field size for ##REC-NO
13.0	341	Erroneous Command

Details for the validation procedures follow:

1.0 CCR 342 Screening dates should not display when record suspended from reporting to GSA

When an item is keyed into NPDMS and a freeze is placed against the record, the data input person is asked whether they would like to refer the freeze information to GSA or suspend the record from reporting to GSA (PROP-REFER=SUSPD-IND = 'S'). When the user chooses to suspend the record from reporting to GSA, the screening dates should not display as though the record was reported and the case should not have a surplus release date. Only NASA (Install and NASA-Wide) screening should still show timeframes.

Description of Change

When the suspending the record from reporting to GSA is removed (PROP-REFER-SUSPD-IND = 'S') a window will be displayed asking the user if they want to recalculate screening dates. If the answer is No then the dates will not be recalculated. If the answer is Yes then all screening dates (Installation, NASA, OFA, and Donation) will be recalculated.

Functional Impact

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

Validation Procedures

- Add a record and suspend reporting to GSA. Run the GSA transmission process (report 110). Remove the suspension of reporting to GSA. Answer NO to recalculating the screening dates. Expected result: The screening dates will remain unchanged.
- Add a record and suspend reporting to GSA. Run the GSA transmission process (report 110). Remove the suspension of reporting to GSA. Answer YES to recalculating the screening dates. Expected result: The screening dates will change based on the new date.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND5100MF		Map
ND5100MG		Map
ND5100NA	Recalculate Screening Dates	Subpgm
ND5100PA	Processing of an add, change, or delete (thaw) freeze	Program

2.0 CCR 344 IFM Interface for NPDMS

NPDMS must provide a daily interface file to the IFM system. Information will be downloaded into a flat file in the IFM standard interface file format. Fields will be populated as identified in the interface meetings.

Description of Change

A batch process was built that will download a flat file in the IFM standard interface file format.

Functional Impact

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

Validation Procedures

- Create T14 (Sold by NASA or agent), RT14 (Sold by NASA or agent reversal), T15 (Sold by GSA), and RT15 (Sold by GSA reversal) transactions. Then schedule and run report 210 (IFM Interface File) to build the flat file.
Expected result: The flat file is built in the IFM standard interface file format.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR210PA	Create IFM Flat File	Program
NDR210PB	IFM File name	Program

3.0 CCR 345 Core modifications for IFMP standard interfaces.

Currently the NPDMS system does not have several fields (Book Value, Life Expectancy, Organization Cost Account (OCA), Program Cost Account (PCA), Previous OCA, and Previous PCA) that are mandatory for the Standard Interface file with the IFM system.

Description of Change

A change was made to allow entry of the OCA and PCA. Users will be allowed to enter the OCA/PCA for a non-controlled add, for a controlled add when the Initiators Org Code changes, or for any change.

Functional Impact

(If the NEMS-IFM-PROP-INT-TBL has been populated) The OCA/PCA window will be displayed during Controlled Add if the Initiators Org code has been changed, during a Non-Controlled Add, and during any change.

Validation Procedures

- Add a Controlled Single Item Case without changing the Initiators Org Code.
Expected result: The OCA/PCA window will not be displayed.
 - Add a Controlled Single Item Case changing the Initiators Org Code.
Expected result: The OCA/PCA window will be displayed.
 - Add a Non-Controlled Single Item Case.
Expected result: The OCA/PCA window will be displayed.
 - Add a Controlled Component Case.
Expected result: The OCA/PCA window will not be displayed.
 - Add a Non-Controlled Component Case.
Expected result: The OCA/PCA window will be displayed for each item entered.
 - Change a (Non-Controlled and Controlled) Case.
Expected result: The OCA/PCA window will be displayed.
 - Excess items from NSMS (Some with OCA/PCA and some without OCA/PCA). Run reports 24(NSMS accepted items report) and 25 (NSMS rejected items report).
Expected result: Report 24 should show items with an OCA/PCA present (unless there are other errors present) and report 25 should show items without the OCA/PCA present (errors 4306 (OCA) and 4307 (PCA)).
-

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDIFM2MA		Map
NDIFM2NA	Subprogram to input window for input of OCA/PCA	Subpgm
NDM100PA	NSMS Batch Interface	Program
NDNSMSLA		LDA
ND4110PA	On-line Add	Program
ND4110TB	On-line Add documentation	Text
ND4210PA	Change Process	Program
ND4700PA	Conversion of an existing Single Case to Component	Program
ND4800PA	Conversion of an existing Component to Single Case	Program

4.0 CCR 348 Year field needs expanding to A4.

Field #GSA-WTHDRWL-APRVL-DATE in NDXDOCSA is defined as an A6 and field ##SCR-GSA-WTHDRWL-APRVL-DATE-YY is defined as an A2.

Description of Change

In NDXDOCSA field #GSA-WTHDRWL-APRVL-DATE has been changed to A8 and field ##SCR-GSA-WTHDRWL-APRVL-DATE-YY has been changed to A4.

Functional Impact

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

Validation Procedures

- Delete a property case. On the PROPERTY DELETE screen enter a 'C' in the Print SF-120 Correction field and enter a 'D' in the Enter "D" to Confirm Delete or 'C' to Cancel field. Press ENTER. In the next 2 windows that are displayed enter: Test. Press ENTER.
Expected result: The PROPERTY DELETE screen is displayed with a message indicating the record has been deleted.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND4310PA	Delete single case and component system items	Program

5.0 CCR 349 GSA region must correspond to state submitting

When submitting information to GSA, the state must correspond with the GSA region. When the state is changed to another state, error 4200 occurs.

Example: (MSFC) GSA region is 04, when state is changed from AL to MD this error occurs.

Description of Change

Edits were removed in processing rules that prevent the property from being located in one state and in a specific GSA region.

Functional Impact

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

Validation Procedures

- On ADD SCREEN 2 change the state from your state to a state that reports to another GSA region (ex. From AL to MD or VA). Press ENTER. Expected Results: Window ND4110MK will be displayed. (NOTE: For LaRC the TRANSACTIONS MENU will be displayed.)
- In Window ND4110MK Press ENTER. Expected Results: The TRANSACTIONS MENU will be displayed.
- On ADD SCREEN 2 change the state from your state to a state that reports to another GSA region (ex. From FL to TX). Press ENTER. Expected Results: The TRANSACTIONS MENU will be displayed.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND4110MB		Map
ND4110MK		Map
ND4110TB		Text

6.0 CCR 353 Quantity field on NDR023PA

Report NDR023PA on the Performance Measures Detail Listing uses the PROP-QTY. User thinks PROP-CUR-AVLBL-QTY should be used instead.

Description of Change

Changes were made to use PROP-CUR-AVLBL-QTY if an adjustment is made to the original quantity entered.

Functional Impact

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

Validation Procedures

- 1) Add a case with a quantity of 5. Change the quantity to 4. 2) Add a case with a quantity of 5. 3) Add a case with a quantity of 5. Dispose of 2 of the quantity. Schedule and run report 23 (Performance Measures report).

Expected Results: Report 23 should run with the following results in the detail listing for quantity: 1) Qty should report 4; 2) Qty should report 5; 3) Qty should report 5.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR023MP		Map
NDR023PB	Performance Measures Report, Detail Listing	Program

7.0 CCR 355 Redefinition of superdescriptor SYS-DML-RANK-KEY-SP

The SYS-REC-KEY was increased by 2 bytes for release 2.0. SYS-REC-KEY is one of the fields that makes up the superdescriptor SYS-DML-RANK-KEY-SP. This field is redefined and the redefinition needs to be expanded.

Description of Change

The redefinition of the field was expanded by 2 bytes.

Functional Impact

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

Validation Procedures

- Add a component case. On ADD SCREEN 2 enter a DML code and Y for ADDITIONAL COMPONENT ITEMS. On ADD SCREEN 2 of the second item enter a different DML code and N for ADDITIONAL COMPONENT ITEMS. Press ENTER.
Expected Results: TRANSACTION MENU is displayed indicating that the add was successful for the component system.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDXCSUPA	Update component data	Program
NDXCSUPB	Update component data	Program

8.0 CCR 356 Convert GSA transmission processing to new format

Currently the GSA transmission format is sent in 7 different record types (A, B, D, E, E, F, G, and H) of 80 bytes in length. GSA is changing to 1 common report record of formatted data and 1-6 Description Data records consisting of formatted data.

Description of Change

The code was changed to create the GSA transmission in the new format. The NDR110PA report was reformatted to print the data in the new GSA format.

Functional Impact

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

Validation Procedures

- Enter several cases using different FSC Codes, Reimbursement Codes, and different amounts of description data. Add and change a case on the same day. Add and delete a case on the same day. Add, change, and delete a case on the same day. Change and delete a case on the same day. Retransmit a case to GSA. Enter a foreign property case. Enter an Exchange/Sale case. Enter a component case. Enter a case that has been suspended from reporting to GSA. Schedule and run the 110 report.

Expected Results: Report NDR110PA should run successfully. The case that was added and deleted on the same day should not show up on the 110 report. The case that was added, changed, and deleted on the same day should not show up on the 110 report. The case that has been suspended from reporting to GSA should not show up on the 110 report. The other cases should show up on the 110 report.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDCASUPD	Updates GSA-RPT-IND	Program
NDM100PA	NSMS Batch Interface	Program
NDO000PA	NPDMS Welcome Screen	Program
NDR006PA	Freeze Status Report	Program
NDR016PC	Daily Transaction Report Transaction Verification	Program
NDR110PA	GSA Dataset Generation	Program
NDXCSUPA	Update Component System Level Data	Program
ND4110PA	On-line Add	Program
ND4110TB	On-line Add program Documentation	Program
ND4210NC	Change Process	Subpgm
ND4210PA	Change Process	Program
ND4700PA	Convert Case to Component System	Program
ND7000PA	Retransmit GSA Rejected Case Records	Program

9.0 CCR 357 Bid data not printing on report as expected.

If there are several one-lot sales, only the first sale's data is printed. Program logic compares the previously printed lot number and the next lot number. If the lot number is the same, the data is not printed. If there are multiple lots in a sale, there is no problem. If there is only one lot in a sale, the data for lot one of the next sale will not be printed.

Description of Change

The code was changed to allow all lots for each sale to be printed.

Functional Impact

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

Validation Procedures

- Have several sales with varying number of lots. Award the lots. Schedule and run the Abstract of Bids (019) report.
Expected Results: All lots for each sale should be printed.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR019PA	Abstract of Bids	Program

10.0 CCR 358 User cannot change upset price unless she also changes warehouse location

User did not put upset price when adding sale. When she tries to award the sale, she gets error "6210 UPSET PRICE NOT PRESENT; CANNOT AWARD LOT – USE CHANGE". When change option is used to enter upset price, it appears to be taken. But when user again tries to award the sale, she gets the same message. The change option will not accept the upset price unless something is entered in the warehouse location field. Warehouse location is supposed to be an optional field.

Description of Change

The code was changed to allow the user to enter the upset price without entering the warehouse location.

Functional Impact

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

Validation Procedures

- Enter a sale without entering the upset price. Try to add an awardee for the sale.
Expected Results: Should receive error message "6210 UPSET PRICE NOT PRESENT; CANNOT AWARD LOT – USE CHANGE".
- Change the sale/lot and enter an upset price.
Expected Results: Upset price should be changed without entering a warehouse location.
- Try to add an awardee for the sale after entering the upset price.
Expected Results: ADD AWARDEE PROCESS SCREEN 2 screen should be displayed".

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND4920PC	Change Sale/Lots, Part 3	Program

11.0 CCR 360 Capitalization Value Calculation (NEMS CCR 208)

A new field for capitalization amount (CAPITALIZATION-VAL-AMT) was created for NEMS. This field will need to be moved from the NEMS-EQUIPMENT file to the NEMS-HISTORY file when an item is added to NPDMS (and therefore deleted from NEMS).

Description of Change

The code was changed to move the Capitalization value from the equipment file to the history file.

Functional Impact

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

Validation Procedures

- Add a controlled item with a capitalization amount to NPDMS.
Expected Results: The NEMS item should move from the equipment file to the history file and the capitalization amount should be displayed.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDNEMDLA		LDA
NDNEMHLA		LDA
NDNEMQLA		LDA
NDXNEMPA	NEMS Interface	Program

12.0 CCR 362 Increase field size for ##REC-NO

Currently only 99 Exchange (Trade-Ins) are allowed per fiscal year based on the field size for ##REC-NO (N2).

Description of Change

The code was changed to increase the field size for ##REC-NO to N4 to allow for 9999 Exchanges.

Functional Impact

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

Validation Procedures

- Add 100 exchanges (trade-ins).
Expected Results: The exchange transaction should process normally.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND5119MB		Map
ND5119PB	Exchange (Trade-in) of NASA Property to a Vendor (T19)	Program

13.0 CCR 341 Erroneous Command

If an erroneous command is entered in the NPDMS navigation a fatal error is produced. Fatal error is in program NDX100PA line 1650 and is error #1316 (Index not within array structure). The field that is causing the error is RESULT-FIELD that is returned from the command processor.

Description of Change

The Command Processor was recataloged.

Functional Impact

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

Validation Procedures

- Enter an invalid command in the Navigation field (Ex. ABCD). Press ENTER.
Expected Results: A window should be displayed with the list of valid Navigation Commands.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDN000XA	NPDMS Command Processor	Processor

APPENDIX D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NPDMS SOFTWARE RELEASE 2.3

Introduction

Release information:

System Name: NPDMS
Release Number: 2.3
Release Date: April 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 NASA Central Distribution Facility as NASA data sets.

- AIMS.NPDMS.PROD.REL230.REL0499.DOC
- AIMS.NPDMS.PROD.REL230.REL0499.ERR
- AIMS.NPDMS.PROD.REL230.REL0499.PRD
- AIMS.NPDMS.PROD.REL230.REL0499.SRC
- AIMS.NPDMS.PROD.REL230.REL0499.NCP

Installation Sequence

NOTE: The NEMS 4.3 release should be installed before the NPDMS 2.3 release because of the NEMS file changes.

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 AIMS.NPDMS.PROD.REL230.REL0499.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	4
MAPS	7
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	4
PROGRAMS	22
COPYCODE	0
TEXT	1
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	38

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules

1. NDCASUPD Updates GSA-RPT-IND
2. ND4210NC Change Process
3. **ND4210ND GSA - Component**
4. ND5100MF
5. ND5100MG
6. ND5100NA Recalculate Screening Dates
7. NDR210PA Create IFM Flat File
8. NDR210PB IFM File Name

Changed Modules

1. ND4110MB
2. ND4110MK
3. ND4110PA On-line Add
4. ND4110TB On-line Add documentation
5. **ND4210PA Change Process**
6. ND4310PA Delete Single Case and Component System Items
7. ND4700PA Convert Case to Component System
8. ND4800PA Convert Component System Item to Single-Case Item
9. ND4920PC Sale/Lots, Part 3
10. ND5100PA Process Add, Change, or Delete (Thaw) Freeze Transaction
11. ND5119MB
12. ND5119PB Exchange (Trade-In) of NASA Property to a Vendor (T19)
13. ND7000PA Retransmit Rejected GSA Case Records
14. NDIFM2MA
15. NDIFM2NA IFMP Window
16. NDM100PA NSMS Batch Interface
17. NDNEMDLA
18. NDNEMHLA
19. NDNEMQLA
20. NDNSMSLA
21. NDO000PA NPDMS Welcome Screen
22. NDR006PA Freeze Status Report
23. NDR016PC Daily Transaction Report Creating a Work File
24. NDR019PA Abstract of Bids
25. NDR023MP
26. NDR023PB NPDMS Performance Measures Report, Detail Listing
27. **NDR110PA GSA Dataset Generation**

- 28. NDXCSUPA Updates Component System Level Data
- 29. NDXCSUPB Updates Component System Level Data
- 30. NDXNEMPA NEMS Interface

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 2.3.0. 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-2.3.0.

Use SYSDICBE to load the PREDICT modifications from the dataset AIMS.NPDMS.PROD.REL230.REL0499.PRD.

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

ND-NSMS

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
ADABAS Files and Views	-	2
Data Elements	-	576

4.1.2 Storage Considerations

Not applicable with this release.

4.1.3 Physical File Changes

Add the following fields:

```
ND-NSMS                               File # 246
      Ty L Field ID                      F Length Occ D U DB S
      *- - - - - *
      1  ORG-COST-ACCT-CODE              A   6.0   AX N
      1  PROG-COST-ACCT-CODE              A   5.0   AY N
```

```
ADADBS NEWFIELD FILE=246
ADADBS FNDEF='01,AX,6,A,NU'
ADADBS FNDEF='01,AY,5,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 AIMS.NPDMS.PROD.REL230.REL0499.ERR, using the NATURAL SYSERR utility ERRLODUS. This release contains 795 error messages, which will load to the library NPDMS. For additional information concerning SYSERR, refer to the NATURAL 2 Administrator's Manual.

7.2 Run NDCASUPD to update GSA-RPT-IND

Currently the GSA-RPT-IND is set to a 'Y'. Under the new format there will be an 'A' (Add), a 'C' (Change), and a 'D' (Delete). This program will update the GSA-RPT-IND.

7.3 Load Natural Command Processor

Load Natural Command Processor from the NASA Distribution data set AIMS.NPDMS.PROD.REL230.REL0499.NCP. Both the source and object code for NDN000XA are provided in this data set. The Command Processor will load to the application library NPDMS.

1. NDN000XA NPDMS Command Processor

Natural Modules by Type	Source	Object
GLOBAL DATA AREA	0	0
LOCAL/PARAM DATA AREA	0	0
MAPS	0	0
HELP ROUTINES	0	0
SUBROUTINES	0	0
SUBPROGRAMS	0	0
PROGRAMS	0	0
COPYCODE	0	0
TEXT	0	0
COMMAND PROCESSOR	0	1
MISCELLANEOUS OBJECTS	1	0
Total:	1	1

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 NDR210PA report and should be modified to meet each Center's standard. (NOTE: Lines in BOLD are added/changed lines.)

```
140R200PA1002 //***** NDR200PA *****
140R210PA1001 //*
140R210PA1002 //***** NDR210PA *****
140STNDRD2001 //*
140STNDRD2002 //DVNPDMS EXEC N01Z,DD='DD=+00',PRM='WFOPFA=#ON/OFF#'
140R027PA1002 /*JOBPARM LINECT=88
140R110PA2001 //CMWKF01 DD DSN=MSIRM.NPDMDD.GSA.TRANSFER,
140R110PA2002 // DISP=(,CATLG,DELETE),
140R110PA2003 // DCB=(RECFM=FB,LRECL=935,BLKSIZE=9350),
140R110PA2004 // SPACE=(TRK,(5,3),RLSE),
140R110PA2005 // UNIT=SYSDA
140R130PA2001 //CMPRT03 DD SYSOUT=(,),OUTPUT=(*.#DEST#),COPIES=#COPIES#
140R130PA2002 //CMWKF01 DD DSN=&&NDR130A,SPACE=(TRK,(20,3),RLSE),UNIT=SYSDA
140R160PA2001 //CMPRT03 DD SYSOUT=(,),OUTPUT=(*.#DEST#),COPIES=#COPIES#
140R160PA2002 //CMWKF01 DD DSN=&&NDR160A,SPACE=(TRK,(20,3),RLSE),UNIT=SYSDA
140R180PA2001 //CMPRT03 DD SYSOUT=(,),OUTPUT=(*.#DEST#),COPIES=#COPIES#
140R210PA2001 //CMWKF15 DD DSN=MSIRM.NPDMDD.IFMEXT,UNIT=SYSDA,
140R210PA2002 // DISP=(OLD,KEEP,KEEP),SPACE=(TRK,(5,3),RLSE),
140R210PA2003 // DCB=(RECFM=VB,LRECL=1200,BLKSIZE=1200)
140R210PA2004 //CMWKF16 DD DSN=MSIRM.NPDMDD.IFMFTP.SYSIN(+0),DISP=OLD
140R210PA2005 //CMWKF17 DD DSN=MSIRM.NPDMDD.IFMFTP.SYSIN(+1),UNIT=SYSDA,
140R210PA2006 // DISP=(NEW,CATLG),SPACE=(TRK,(3,1),RLSE),
140R210PA2007 // DCB=(RECFM=FB,LRECL=80,BLKSIZE=800)
140STNDRD3001 //CMPRINT DD SYSOUT=*
140STNDRD3002 //CMWKF31 DD DSN=MSIRM.NPDMDD.BATCH.AUDIT,
```

After the JCL has been added, NPDMS ND-TABLE file 055 (Report/Maintenance Selection Table) should be modified to include the new NDR210PA 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: **210**
Report Execution Sequence No: **7**
Description: **IFM INTERFACE FILE**

Start Date: 0

End Date: 0

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
- 4.1 Data Dictionary Changes
- 5.0 Catalog Source Code
- 7.0 Perform Release Specific Procedures
 - 7.1 Load Natural Error Messages
 - 7.2 Run NDCASUPD to update GSA-RPT-IND
 - 7.3 Load Natural Command Processor
- 8.0 Local JCL Mods