

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

Release 4.4.1

NASA-NPDMS-VDD-14

UNITeS Contract

October 29, 2004



**VERSION DESCRIPTION DOCUMENT FOR THE
NASA PROPERTY DISPOSAL MANAGEMENT SYSTEM (NPDMS)
RELEASE 4.4.1**

Submitted by

Neal Cantrell Functional Area Lead	Date
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Reviewed by

UNITeS

Rhett Leak Agencywide IRM, Property and Procurement Systems	Date
---	------

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

Steve Rowell Agencywide IRM	Date
--------------------------------	------

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

Prepared by

Unified NASA Information Technology Services, Contract NNM04AA02C

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

October 29, 2004

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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 4.4.1 and has an effective release date of October 29, 2004.

1.2 PURPOSE OF THE RELEASE

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

<u>CCR</u>	<u>Title</u>
511	Submission of pictures for GSA
513	GSA Interface changes – November 1, 2004
514	GSA Interface changes – November 1, 2004 (Optional for FY 2005)
515	User No for X90 transactions
516	Add Building and Room to / Remove Y2K information from 1638 label
522	Remove Transactions 10 and R10
525	Justification information entry for 240 report

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

<u>CCR</u>	<u>Title</u>
524	Abandonment/Destruction Document Indicator not set on change
527	Table 155 (Screening Days Table) changes not being saved

1.3 SCOPE

This VDD provides the functional and technical user of NPDMS with information regarding the contents, status, and structure of Release 2.0, including the following:

This VDD provides the functional and technical user of NPDMS with information regarding the content, status, and structure of Release 4.4.1, including the following:

- Changes implemented since Release 4.4;
- 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 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
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 4.4.1 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. 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:

Section	CCR	Title
1.0	511	<u>Submission of pictures for GSA</u>
2.0	513	<u>GSA Interface changes – November 1, 2004</u>
3.0	514	<u>GSA Interface changes – November 1, 2004 (Optional for FY 2005)</u>
4.0	515	<u>User no for X90 transactions</u>
5.0	516	<u>Add Building and Room to / Remove Y2k information from 1638 label</u>
6.0	522	<u>Remove Transactions 10 and R10</u>
7.0	524	<u>Abandonment/Destruction Document Indicator not set on change</u>
8.0	525	<u>Justification information entry for 240 report</u>
9.0	527	<u>Table 155 (Screening Days Table) changes not being saved</u>

Details for the validation procedures follow:

1.0 CCR 511 – SUBMISSION OF PICTURES FOR GSA

Pictures Available indicator is set for 00.

Description of Change

Code was changed to default the Pictures Available Indicator to 1.

Functional Impact

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

Validation Procedures

- Add a case without entering a value in the Pictures Included field.
Expected Results: The case will be added and the Pictures Included field will have a 01 defaulted. (This can be verified by looking on the Case Review Screen 2).

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

2.0 CCR 513 – GSA INTERFACE CHANGES – NOVEMBER 1, 2004.

GSA will be updating the layout for the interface file to update edits on some fields and add other fields.

Description of Change

Code was changed to: (1) Reimbursement Required - Add value 'P'; (2) Sold by GSA/FAS Code - Add Value 'F'; (3) Remove field for Donation Eligibility replace with Vessels; (4) Remove Photos Included field and replace with Filler; (5) Agency Location Code - Required if Reimbursable; (6) Make - New edit; (7) Model - New edit; (8) Vehicle Identification Number - New edit; (9) Model Year - New edit; (10) Fuel Type - new field; (11) Estimated Mileage - new field); (12) Body Style - New edit; (13) Number of Cylinders - New edit.

Functional Impact

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

Validation Procedures

- Add a case for FSC 2310 and 2320.
Expected Results: The Make, Model, Vehicle Identification Number, Model Year, Fuel Type, Estimate Mileage, Body Style, and Number of Cylinders will be required.
- Change a case for FSC 2310 and 2320.
Expected Results: The Make, Model, Vehicle Identification Number, Model Year, Fuel Type, Estimate Mileage, Body Style, and Number of Cylinders will be able to be changed and will still be required.
- Perform a receipt for a case for FSC 2310 and 2320.
Expected Results: The Make, Model, Vehicle Identification Number, Model Year, Fuel Type, Estimate Mileage, Body Style, and Number of Cylinders will be able to be changed and will still be required.
- Add a case for FSC 1910.
Expected Results: Window ND4110MQ will be displayed to enter whether the vessel is 50 feet or longer.
- Change a case for FSC 1910.
Expected Results: Window ND4110MQ will be displayed to enter whether the vessel is 50 feet or longer.
- Add a case entering a Reimbursement Indicator of 'P'.
Expected Results: Value will be accepted.
- Change a case entering a Reimbursement Indicator of 'P'.
Expected Results: Value will be accepted.
- Add a case entering a Sell by GSA Ind of 'F'.
Expected Results: Value will be accepted.
- Change a case entering a Sell by GSA Ind of 'F'.
Expected Results: Value will be accepted.

- Add a case with a Reimbursement Ind of 'Y' and Agency Loc Code blank.
Expected Results: Error 5194 – Agency Location Code is a Required Field is received.
 - Enter Agency Loc Code: (Your Center).
Expected Results: Value will be accepted.
- Change a case where the Reimbursement Ind eq 'Y' and the Agency Loc Code is blank.
Expected Results: Error 5194 – Agency Location Code is a Required Field is received.
 - Enter Agency Loc Code: (Your Center).
Expected Results: Value will be accepted.
- Schedule and run the following reports: 110 (GSA) and 220 (Archive).
Expected Results: Reports will run successfully and match the New GSA layout. The 220 report will run successfully and include the new fields on the backup.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND3050MB		Map
ND3050MD		Map
ND3050PA	Center Profile Table Update	Program
ND3050PB	Browse ND-Table Center Profile	Program
ND4000ME		Map
ND4000PB	Case Review – Case History	Program
ND4000PC	Case Review – Case	Program
ND4110AA		PDA
ND4110MA		Map
ND4110MC		Map
ND4110MP		Map
ND4110MQ		Map
ND4110PA	On-Line Add	Program
ND4110TB	Documentation for On-Line Add	Text
ND4210AA		PDA
ND4210NA	Case Modification check	Subpgm
ND4210NG	GSA Vehicle Information	Subpgm
ND4210PA	On-Line Change	Program
ND4210TB	Documentation for On-Line Change	Text
ND4700LA		LDA
ND4700PA	Convert Case to Component System	Program
ND5102PA	Receipt T02	Program
NDCASELA		LDA
NDCASHLA		LDA
NDM100PA	NSMS Batch Interface Process with NPDMS System.	Program
NDMGSAPC	GSA Datasets Concatenation	Program

NDMGSAP	GSA Dataset Generation	Program
NDR110PA	GSA Dataset Generation	Program
NDR110PB	GSA Dataset Generation	Program
NDR120PA	GSA SF-120 Excess Report	Program
NDR220GL		GDA
NDR220PA	Archive History Files	Program
NDT050LA		LDA
NDTXAELA		LDA
NDTXALA		LDA
NDTXHELA		LDA
NDTXHLA		LDA

3.0 CCR 514 – GSA INTERFACE CHANGES – NOVEMBER 1, 2004 (OPTIONAL FOR FY 2005)

The GSA changes for November 1, 2004 have 3 fields that are optional for FY2005. 2 of these fields require tables to be added to NPDMS (Fuel Type and Body Style).

Description of Change

Code was added to add a Fuel Type Table (220) and Body Style Table (230) and to allow maintenance (Add, Browse, Change, and Delete) for these 2 tables.

Functional Impact

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

Validation Procedures

- View the Table File Update Menu and verify that the 220 (Fuel Type) and 230 (Body Style) tables appear on the list of available tables.
Expected Results: Tables 220 (Fuel Type) and 230 (Body Style) will appear on the Table File Update Menu.
- Browse the Fuel Type Table (220).
Expected Results: The list of valid Fuel Types will be displayed.
- Browse the Body Style Table (230).
Expected Results: The list of valid Body Styles will be displayed.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND3000PA	NPDMS Table File Selection	Program
ND3000PB	NPDMS Table File Selection	Program
ND3220MA		Map
ND3220PA	Fuel Type Table Update	Program
ND3220PB	Browse ND-TABLE Fuel Type	Program
ND3230MA		Map
ND3230PA	Body Style Table Update	Program
ND3230PB	Browse ND-TABLE Body Type	Program
NDN000XA	NPDMS Command Processor	Processor
NDN000XB	NPDMS Central Command Processor	Processor

4.0 CCR 515 – USER NO FOR X90 TRANSACTIONS

The X90 transaction populates the NEMS Transaction record with the *USER (User ID of person logged into system) for the User No field. This field should be populated with the User No from the NEMS History file.

Description of Change

Code was changed to populate the User No field with the value from the NEMS History file instead of the User ID of the person performing the transaction.

Functional Impact

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

Validation Procedures

- Perform a controlled add.
Expected Results: (In NEMS – NEMS Daily Transaction Adhoc) The NEMS User ID field will contain the User ID of the person performing the add in NPDMS while the User No field will contain the User No of the person who had the property before disposal.

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

5.0 CCR 516 – ADD BUILDING AND ROOM TO / REMOVE Y2K INFORMATION FROM 1638 LABEL

The 1638 label does not contain location (building/room) information that will be needed to match the label with the 1638. Y2K information is not needed on the label since it is printed on the 1638 form.

Description of Change

Code was changed to add the Building Number and Room Number to the 1638 label replacing the Y2K information.

Functional Impact

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

Validation Procedures

- Schedule and run report 151 (Batch)
Expected Results: The 1638 laser form and labels will be printed. The 1638 laser form will still have the Y2K information printed while the label will not have the Y2K information but will contain the Building Number and Room Number (BLD/R).
- Schedule and run report 152 (Real Time)
Expected Results: The 1638 laser form and labels will be printed. The 1638 laser form will still have the Y2K information printed while the label will not have the Y2K information but will contain the Building Number and Room Number (BLD/R).

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR151NA	NF-1638 Idle Personal Property Pickup Authorization Generation	Subpgm

6.0 CCR 522 – REMOVE TRANSACTIONS 10 AND R10

Transactions 10 and R10 are no longer needed.

Description of Change

Code was changed to remove T10 and RT10 as valid transactions and to prevent T10 and RT10 transactions from displaying on reports.

Functional Impact

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

Validation Procedures

- Schedule and run reports 009, 010, 023, 230, 309, and 310.
Expected Results: Transactions T10 and RT10 will not be included on these reports.
- Disposition a case with transaction T10.
Expected Results: A message will be displayed indicating that the Transaction ID is invalid.
- Process an existing freeze.
Expected Results: Transaction T10 will not be displayed as a valid transaction and an error will be received if 10 is entered.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR009PA	623 Monthly Report of Utilization and Disposal of Idle, Excess and Surplus Property (Excluding Foreign and Exchange/Sale Property)	Program
NDR009PB	623 Monthly Report of Utilization and Disposal of Idle, Excess and Surplus Property (Excluding Foreign and Exchange/Sale Property)	Program
NDR010PA	623 Annual Report of Utilization and Disposal of Idle, Excess and Surplus Property (Excluding Foreign and Exchange/Sale Property)	Program
NDR010PB	623 Annual Report of Utilization and Disposal of Idle, Excess and Surplus Property (Excluding Foreign and Exchange/Sale Property)	Program
NDR023PA	Performance Measures Report	Program
NDR023PB	Performance Measures Report	Program
NDR230PA	Final Disposition for each FSC within a user specified date range – summary	Program
NDR309PA	623 Monthly Report of Utilization and Disposal of Idle, Excess and Surplus Property (Excluding Domestic and Exchange/Sale Property)	Program
NDR309PB	623 Monthly Report of Utilization and Disposal of Idle,	Program

	Excess and Surplus Property (Excluding Domestic and Exchange/Sale Property)	
NDR310PA	623 Annual Report of Utilization and Disposal of Idle, Excess and Surplus Property (Excluding Domestic and Exchange/Sale Property)	Program
NDR310PB	623 Annual Report of Utilization and Disposal of Idle, Excess and Surplus Property (Excluding Domestic and Exchange/Sale Property)	Program
ND5000PA	Transactions Main Menu	Program
ND5000TB		Map
ND5100MC		Map
ND5100ME		Map
ND5110TA		Map

**7.0 CCR 524– ABANDONMENT/DESTRUCTION DOCUMENT INDICATOR
NOT SET ON CHANGE**

The Abandonment/Destruction Document Indicator (ABND-DSTRCTN-DOC-IND) is not set when the Print Abandonment/Destruction Approval Doc is selected for print.

Description of Change

Code was changed to set the ABND-DSTRCTN-DOC-IND when the case is selected to print.

Functional Impact

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

Validation Procedures

- For a case being added put a ‘Y’ in the Print Abandonment/Destruction Approval Doc.
Change a case and put a ‘Y’ in the Print Abandonment/Destruction Approval Doc.
Schedule and run the 240 report.
Expected Results: The 240 (Abandonment/Destruction Approval Doc) should contain both the case added above and the case changed above.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND4210PA	On-Line Change	Program
ND4210TB	Documentation for On-Line Change	Text

8.0 CCR 525– JUSTIFICATION INFORMATION ENTRY FOR 240 REPORT

When a case is added or changed and the Abandonment/Destruction document is selected for printing the user needs to be able to enter the justification

Description of Change

Code was changed to have the justification window display when the Abandonment/Destruction document is selected.

Functional Impact

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

Validation Procedures

- For a case being added put a 'Y' in the Print Abandonment/Destruction Approval Doc.
Expected Results: Window NDXSRVNA will be displayed and available for entry of Disposal Reason.
- Change a case and put a 'Y' in the Print Abandonment/Destruction Approval Doc.
Expected Results: Window NDXSRVNA will be displayed and available for entry of Disposal Reason.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND4110PA	On-Line Add	Program
ND4110TB	Documentation for On-Line Add	Text
NDXDOCSA	Print Document Data Entry	Subroutine

9.0 CCR 527– TABLE 155 (SCREENING DAYS TABLE) CHANGES NOT BEING SAVED

When changes are made to the Screening Days Table (155) they are not being saved.

Description of Change

Code was changed to save changes to the Screening Days Table (155).

Functional Impact

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

Validation Procedures

- Change one of the values for the Screening Days Table (155) and log out of the system.
Expected Results: When you log back into the system the change made to the Screening Days Table (155) will still be there.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND3155PA	Screening Days Table Update	Program

APPENDIX D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NPDMS SOFTWARE RELEASE 4.4.1

Introduction

Release information:

System Name: NPDMS
Release Number: 4.4.1
Release Date: October 29, 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
FAX: (256) 544-1836

The following datasets are located on the transient storage DASD volumes under the following data sets names:

MSMOV.NPDMS.PROD.R441.R0904.ERR
MSMOV.NPDMS.PROD.R441.R0904.SRC
MSMOV.NPDMS.PROD.R441.R0904.NCP
XXMOV.NPDMS.PROD.R441.R0904.PRD

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.PROD.R441.R0904.SRC.

MSMOV.NPDMS.PROD.R441.R0904.NCP.

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. Source and Object code is unloaded for the Command Processors NDN000XA and NDN000XB.

The source module counts included in this release are listed below:

Natural Source Modules by Type	Count
GLOBAL DATA AREA	1
LOCAL/PARAM DATA AREA	10
MAPS	13
HELP ROUTINES	0
SUBROUTINES	1
SUBPROGRAMS	3
PROGRAMS	37
COPYCODE	0
TEXT	2
PROCESSOR	2
MISCELLANEOUS OBJECTS	0
Total:	69

2.2 List of Source Code Modifications

The following are the modules added, modified, and deleted. Modules in **BOLD** have been changed since the Beta release.

Added Modules:

1. ND3220MA Map
2. ND3220PA Program
3. ND3220PB Program
4. ND3230MA Map
5. ND3230PA Program
6. ND3230PB Program
7. ND4110MQ Map

Changed Modules:

8. ND3000PA Program
9. ND3000PB Program
10. ND3050MB Map
11. ND3050MD Map
12. ND3050PA Program
13. ND3050PB Program
14. ND3155PA Program
15. ND4000ME Map

16.ND4000PB	Program
17.ND4000PC	Program
18.ND4110AA	PDA
19.ND4110MA	Map
20.ND4110MC	Map
21.ND4110MP	Map
22.ND4110PA	Program
23.ND4110TB	Text
24.ND4210AA	PDA
25.ND4210NA	Subpgm
26.ND4210NG	Subpgm
27.ND4210PA	Program
28.ND4210TB	Text
29.ND4700LA	LDA
30.ND4700PA	Program
31.ND5000PA	Program
32.ND5000TB	Map
33.ND5100MC	Map
34.ND5100ME	Map
35.ND5110TA	Map
36.ND5102PA	Program
37.NDCASELA	LDA
38.NDCASHLA	LDA
39.NDCENTPA	Program
40.NDM100PA	Program
41.NDMGSAPC	Program
42.NDMGSAPE	Program
43.NDN000XA	Processor
44.NDN000XB	Processor
45.NDO000PA	Program
46.NDR009PA	Program
47.NDR009PB	Program
48.NDR010PA	Program
49.NDR010PB	Program
50.NDR023PA	Program
51.NDR023PB	Program
52.NDR110PA	Program
53.NDR110PB	Program
54.NDR120PA	Program
55.NDR151NA	Subpgm
56.NDR220GL	GDA
57.NDR220PA	Program
58.NDR230PA	Program

59.NDR309PA	Program
60.NDR309PB	Program
61.NDR310PA	Program
62.NDR310PB	Program
63.NDT050LA	LDA
64.NDTXAELA	LDA
65.NDTXALA	LDA
66.NDTXHELA	LDA
67.NDTXHLA	LDA
68.NDXDOCSA	Subroutine
69.NDXNEMPA	Program

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

This release will include the new enhancements for Version 4.4.1. Details for changes in this release can be found under Section 4.1.3 Physical File Changes or by performing Predict reporting on the keyword NPDMS-4.4.1.

Use SYSDICBE to load the PREDICT modifications from the dataset:
xxMOV.NPDMS.PROD.R441.R0904.PRD.

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

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

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	-	5

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		GSA-AGENCY-LOC-CODE	A	8.0				GO	N
1		GSA-VEHICLE-EST-MILEAGE-QTY	A	6.0				GP	N
1		GSA-VEHICLE-FUEL-TYPE-CODE	A	1.0				GQ	N
1		GSA-VESSELS-IND	A	1.0				GR	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=248
ADADBS FNDEF='01,GO,8,A,NU'
ADADBS FNDEF='01,GP,6,A,NU'
ADADBS FNDEF='01,GQ,1,A,NU'
ADADBS FNDEF='01,GR,1,A,NU'
/*
```

ND-CASE-HIST		File # 252							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
1		GSA-AGENCY-LOC-CODE	A	8.0				GY	N
1		GSA-VEHICLE-EST-MILEAGE-QTY	A	6.0				GZ	N
1		GSA-VEHICLE-FUEL-TYPE-CODE	A	1.0				HY	N
1		GSA-VESSELS-IND	A	1.0				HZ	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=252
ADADBS FNDEF='01,GY,8,A,NU'
ADADBS FNDEF='01,GZ,6,A,NU'
ADADBS FNDEF='01,HY,1,A,NU'
ADADBS FNDEF='01,HZ,1,A,NU'
/*
```

```
ND-TRANS-HIST                               File # 251
      Ty L Field ID                          F Length  Occ   D U DB S
      *- - - - - *
      1 GSA-AGENCY-LOC-CODE                   A    8.0      JQ N
      1 GSA-VEHICLE-EST-MILEAGE-QTY           A    6.0      JR N
      1 GSA-VEHICLE-FUEL-TYPE-CODE            A    1.0      JS N
      1 GSA-VESSELS-IND                       A    1.0      JT N
```

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=251
ADADBS FNDEF='01,JQ,8,A,NU'
ADADBS FNDEF='01,JR,6,A,NU'
ADADBS FNDEF='01,JS,1,A,NU'
ADADBS FNDEF='01,JT,1,A,NU'
/*
```

```
ND-TRANSACTION                               File # 250
      Ty L Field ID                          F Length  Occ   D U DB S
      *- - - - - *
      1 GSA-AGENCY-LOC-CODE                   A    8.0      JP N
      1 GSA-VEHICLE-EST-MILEAGE-QTY           A    6.0      JQ N
      1 GSA-VEHICLE-FUEL-TYPE-CODE            A    1.0      JR N
      1 GSA-VESSELS-IND                       A    1.0      JS N
```

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=250
ADADBS FNDEF='01,JP,8,A,NU'
ADADBS FNDEF='01,JQ,6,A,NU'
ADADBS FNDEF='01,JR,1,A,NU'
ADADBS FNDEF='01,JS,1,A,NU'
/*
```

ND-TABLE		File # 249							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
	1	INST-DFLT-AGNCY-LOC-CODE	A	8.0				GV	N
GR	1	FUEL-TYPE-TABLE-220						GW	
	2	SYS-FUEL-TYPE-DESC	A	20.0				GX	N
GR	1	BODY-STYLE-TABLE-230						GY	
	2	SYS-BODY-STYLE-DESC	A	20.0				GZ	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=249
ADADBS FNDEF='01,GV,8,A,NU'
ADADBS FNDEF='01,GW'
ADADBS FNDEF='02,GX,20,A,NU'
ADADBS FNDEF='01,GY'
ADADBS FNDEF='02,GZ,20,A,NU'
/*
```

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. **IT IS NECESSARY** to catalog the NDR220GL Global Data Area.

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

7.1 Load Natural Error Messages

Load error messages from the NASA Distribution data set MSMOV.NPDMS.PROD.R441.R0904.ERR, using the NATURAL SYSERR utility ERRLODUS. This release contains 831 error messages, which will load to the library NPDMS. For additional information concerning SYSERR, refer to the NATURAL 2 Administrator's Manual.

5179 - REIMBURSEMENT IND MUST BE 'Y', 'N', OR 'P'
5181 - SELL BY GSA IND MUST BE 'Y', 'N', OR 'F'
5187 - VEHICLE ID NUMBER IS A REQUIRED FIELD
5188 - MODEL YEAR IS A REQUIRED FIELD
5189 - FUEL TYPE IS A REQUIRED FIELD
5190 - FUEL TYPE NOT ON TABLE 220
5191 - ESTIMATED MILEAGE IS A REQUIRED FIELD
5192 - BODY STYLE IS A REQUIRED FIELD
5193 - NUMBER OF CYLINDERS IS A REQUIRED FIELD
5194 - AGENCY LOCATION CODE IS A REQUIRED FIELD
5195 - MFG NAME REQUIRED FOR FSC 2310/2320
5196 - MDL NO REQUIRED FOR FSC 2310/2320
5197 - BODY STYLE NOT FOUND ON TABLE 230
5198 - MODEL YEAR MUST BE 4 POSITIONS NUMERIC
5199 - ESTIMATED MILEAGE MUST BE NUMERIC
5200 - NUMBER OF CYLINDERS MUST BE NUMERIC

7.2 Add tables 220 (Fuel Type) and 230 (Body Style)

This step will be performed by SESAAS.

Table 220 – Fuel Type

Valid values

G	Gasoline
D	Diesel
A	Alternative
H	Hybrid
O	Other

Table 230 - Body Style

Valid values

S2	Sedan 2 door
S3	Sedan 3 door
S4	Sedan 4 door
CO	Coupe

HA	Hatchback
WA	Wagon
SU	SUV
VA	Van
MN	Mini Van
AM	Ambulance
BU	Bus
P2	Pickup 2 door
P3	Pickup 3 door
P4	Pickup 4 door
HD	Heavy Duty
UT	Utility
BO	Box
TR	Tractor

8.0 Local JCL Mods

Bold Lines below are added or modified lines:

```
140R110PA2001 //CMWKF01 DD DSN=MSIRM.NPDMDD.GSA.TRANSFER,
140R110PA2002 // DISP=(OLD),
140R110PA2003 // DCB=(RECFM=FB,LRECL=1111,BLKSIZE=4444),
140R110PA2004 // SPACE=(TRK,(5,3),RLSE),
140R110PA2005 // UNIT=SYSDA
140R110PA2501 //CMPRINT DD DSN=#FILENAME#,
140R110PA2502 // DISP=OLD
140R110PA2503 //CMPRT01 DD DSN=#FILENAME#,
140R110PA2504 // DISP=OLD
140R110PA2505 //CMWKF01 DD DSN=MSIRM.NPDMDD.GSA.TRANSFER,
140R110PA2506 // DISP=(,CATLG,DELETE),
140R110PA2507 // DCB=(RECFM=FB,LRECL=1111,BLKSIZE=4444),
140R110PA2508 // SPACE=(TRK,(5,3),RLSE),
140R110PA2509 // UNIT=SYSDA

140R152PA1180 //JS020 EXEC PGM=IEBGENER
140R152PA1190 /*OUTPUT 1638 DEST=##DEST##,FORMS=1638
140R152PA1200 //SYSUT1 DD DSN=MSIRM.NPDMDD.BC39,DISP=SHR
140R152PA1210 //SYSUT2 DD SYSOUT=(U,,1638)
140R152PA1220 //SYSPRINT DD SYSOUT=*
140R152PA1230 //SYSIN DD *
140R152PA1240 //*
140R152PA1250 //JS030 EXEC PGM=IEBGENER
140R152PA1260 /*OUTPUT 1638 DEST=##DEST##,FORMS=1638
140R152PA1270 //SYSUT1 DD DSN=&&TEMP1,DISP=(OLD,DELETE,DELETE)
140R152PA1280 // DD DSN=&&TEMP2,DISP=(OLD,DELETE,DELETE)
140R152PA1290 //SYSUT2 DD SYSOUT=(U,,1638)
140R152PA1300 //SYSPRINT DD SYSOUT=*
140R152PA1310 //SYSIN DD *
140R152PA1320 //

140R220PA2001 //CMWKF01 DD DSN=MSIRM.NPDMDD.CASE.ARCH1,
140R220PA2002 // DISP=(OLD,KEEP,KEEP),
140R220PA2003 // DCB=(RECFM=FB,LRECL=1897,BLKSIZE=3794),
140R220PA2004 // SPACE=(CYL,(40,20),RLSE),
140R220PA2005 // UNIT=SYSDA
140R220PA2006 //CMWKF02 DD DSN=MSIRM.NPDMDD.TRANS.ARCH1,
140R220PA2007 // DISP=(OLD,KEEP,KEEP),
140R220PA2008 // DCB=(RECFM=FB,LRECL=3703,BLKSIZE=3703),
140R220PA2009 // SPACE=(CYL,(40,20),RLSE),
140R220PA2010 // UNIT=SYSDA
```

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
 - 7.1 Load Natural Error Messages
 - 7.2 Add tables 220 (Fuel Type) and 230 (Body Style)
- 8.0 Local JCL Mods