

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

Release 4.2

NASA-NPDMS-VDD-14

PrISMS Contract

December 5, 2003



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 4.2**

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December 5, 2003

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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 4.2 and has an effective release date of December 5, 2003.

1.2 PURPOSE OF THE RELEASE

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

<u>CCR</u>	<u>Title</u>
463	Calculation for Fair Market Value on Component Cases
464	Include Freeze Type and Date Range on Report 006
465	Controlled Component add not writing X90 in NEMS
466	NEMS Inventory Overage Discrepancy not Reconciled
468	Create a Country Code Table
479	Add Field for Photos Included
480	Add Vehicle Information
485	Remove Subinstallation Check for Scheduling Reports
486	Improve Performance for ADABAS VISTA & NEMS Interface
488	New edit on Reimbursement Code/Donation Code

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

<u>CCR</u>	<u>Title</u>
	None

1.3 SCOPE

This VDD provides the functional and technical user of NPDMS with information regarding the content, status, and structure of Release 4.2, including the following:

- Changes implemented since Release 4.1.1;
- Validation procedures to ensure the reliability of release changes;

- References to other documentation affected by this release;
- Detailed software installation instructions.

No waivers are associated with this release.

1.4 CONTACT POINTS

Sustaining Engineering for NPDMS is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the functional and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (Use following Key Words: SESAAS & NPDMS)

Telephone: (256) 544-6673
Email: neal.cantrell@msfc.nasa.gov
FAX: (256) 544-1836

2.0 FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Software PREDICT and SYSERR changes related to this release.

2.2 FUNCTIONAL INTERFACES

This 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.

3.0 TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 TECHNICAL SYSTEM INTERFACES

There are no technical 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, Section 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 4.2 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of this release.

4.0 KNOWN AND OPEN PROBLEMS

There 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	463	Calculation for Fair Market Value on Component Cases
2.0	464	Include Freeze Type and Date Range on Report 006
3.0	465	Controlled Component add not writing X90 in NEMS
4.0	466	NEMS Inventory Overage Discrepancy not Reconciled
5.0	468	Create a Country Code Table
6.0	479	Add Field for Photos Included
7.0	480	Add Vehicle Information
8.0	485	Remove Subinstallation Check for Scheduling Reports
9.0	486	Improve performance for ADABAS VISTA & NEMS Interface
10.0	488	New edit on Reimbursement Code/Donation Code

Details for the validation procedures follow:

1.0 CCR 463 – Calculation for Fair Market Value on Component Cases

The Fair Market Value (FMV) on Component cases reported to GSA is only reporting the FMV for the first item. Calculate the FMV for the component case similar to the way the COST is calculated.

Description of Change

Code was changed to calculate the total Fair Market Value for component items:

Functional Impact

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

Validation Procedures

- Schedule and run the 110 (GSA) report with component cases that have Fair Market Values entered.
Expected Results: The Fair Market Value sent to GSA will contain the total of the Fair Market Value for all of the component's items.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR110NA	GSA Dataset Generation	Subpgm
NDR110NB	GSA Dataset Generation	Subpgm
NDR110PA	GSA Dataset Generation	Program
NDR110PB	GSA Dataset Generation	Program

2.0 CCR 464 – Include Freeze Type and Date Range on Report 006

User has not way of identifying which types of freezes the reports are for or the date range requested.

Description of Change

Code was changed to include the freeze type for on request reports and the report date range on all reports.

Functional Impact

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

Validation Procedures

- Schedule report 006 on request for the following NASA Activity Freeze Type.
Expected Results: The report should run successfully and include the Freeze Type (NASA Activity) and Report Begin and Report End Dates.
- Schedule report 006 on request for the following Vendor Freeze Type.
Expected Results: The report should run successfully and include the Freeze Type (Vendor) and Report Begin and Report End Dates.
- Schedule report 006 on request for the following Other Federal Agency Freeze Type.
Expected Results: The report should run successfully and include the Freeze Type (Other Federal Agency) and Report Begin and Report End Dates.
- Schedule report 006 on request for the following Donation Freeze Type.
Expected Results: The report should run successfully and include the Freeze Type (Donation) and Report Begin and Report End Dates.
- Schedule report 006 on request for the following Sold Freeze Type.
Expected Results: The report should run successfully and include the Freeze Type (sold) and Report Begin and Report End Dates.
- Schedule report 006 as regularly scheduled.
Expected Results: The report should run successfully and include the Report Begin and Report End Dates.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR006PA	Freeze Status Report	Program
NDR006MA	Freeze Status Report	Map
NDR006ME	Freeze Status Report	Map

3.0 CCR 465 – Controlled Component add not writing X90 in NEMS

On a controlled component add if the first item/ECN is on the NEMS Equipment file and the second item/ECN is on the NEMS History file (deleted by transaction 65) then the X90 transaction is not being written to NEMS for the first item.

Description of Change

Code was changed to write the X90 transaction in NEMS for all controlled items.

Functional Impact

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

Validation Procedures

NOTE: The component cases where you have an item from history and an item from the active file may not actually occur.

- Add a controlled case for an ECN that has been deleted with NEMS Transaction 65 that is on the NEMS-HISTORY file.
Expected Results: X90 transaction should not be created for this ECN since it is already on the NEMS-HISTORY file.
- Add a controlled case for an ECN that is on the NEMS-EQUIPMENT file.
Expected Results: X90 transaction should be created for this ECN.
- Add a controlled component case for ECNs that are on the NEMS-HISTORY file. Both items should have been deleted with NEMS Transaction 65
Expected Results: X90 transactions should not be created for either ECN since they are already on the NEMS-HISTORY file.
- Add a controlled component case for an ECN that is on the NEMS-EQUIPMENT file.
Expected Results: X90 transactions should be created for both ECNs.
- Add a controlled component case. The first ECN should be on the NEMS-HISTORY file (deleted with NEMS Transaction 65) and the 2nd ECN for an ECN on the NEMS-EQUIPMENT file.
Expected Results: X90 transactions should not be created for the 1st item and should be created for the 2nd item.
- Add a controlled component case. The first ECN should be on the NEMS-EQUIPMENT file and the 2nd ECN for an ECN on the NEMS-HISTORY file (deleted with NEMS Transaction 65).
Expected Results: X90 transactions should be created for the 1st item and should not be created for the 2nd item.

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

4.0 CCR 466 –NEMS Inventory Overage Discrepancy not resolved

Attempted to process a component non-controlled change on an ECN that had been deleted (transactions 71 or 65) that was an overage in NEMS Inventory. After deciding to process the change as controlled a message "WARNING! - 'O' DISCREP IN NEMS BAR CODE FILE; NPDMS WILL RECONCILE" was displayed. The discrepancy was not cleared in Inventory.

Description of Change

Code was changed to reconcile NEMS Inventory Discrepancies.

Functional Impact

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

Validation Procedures

- For an ECN that is on the NEMS History file and on the NEMS Bar Code file (must know the model number and serial number) perform a non-controlled add entering the model number and serial number). When the window is displayed to convert the case to a controlled case is displayed enter a 'Y' and process the case as a controlled case.
Expected Results: The Inventory Discrepancy will be cleared.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDXNEMPA	NPDMS Interface with NEMS	Program
NDX500NA	Format X19 and X90 transactions	Subpgm

5.0 CCR 468 – Create a Country Code Table

GSA has a field for a 2-digit country code on the GSA transmission. This field is required whenever NASA is sending descriptive data on foreign property excess or exchange/sale personal property.

Description of Change

Code was changed to create a country code table (210) and to add validation to the add and change case process for the country code.

Functional Impact

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

Validation Procedures

- Add a case and enter a ? in the Country field.
Expected Results: A list of valid country codes will be displayed for selection.
- Change a case and enter a ? in the Country field.
Expected Results: A list of valid country codes will be displayed for selection.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDCASELA		LDA
NDCASHLA		LDA
NDR016AA		PDA
NDR016LA		LDA
NDR110PA	GSA Dataset Generation	Program
NDR110PB	GSA Dataset Generation	Program
NDR220GL		GDA
NDR220PA	Archive History Files	Program
NDTXABLA		LDA
NDTXAELA		LDA
NDTXALA		LDA
NDTXHBLA		LDA
NDTXHELA		LDA
NDTXHLA		LDA
NDTXNHLA		LDA
NDTXNLA		LDA
NDT210LA		LDA
NDU150PA	Add Record to 150 Table	Program
NDU210PA	Add Record to 210 Table	Program
NDU210PB	Add Records to 210 Table from a Flat File	Program
NDU468PA	Download ND-CASE to Flat File	Program
NDU468PB	Download ND-CASE-HIST to Flat File	Program
NDU468PC	Download ND-TRANSACTION to Flat File	Program
NDU468PD	Download ND-TRANS-HIST to Flat File	Program

NDX210HA	Field Level Help for Country Code	Program
NDX210MB		Map
NDX210NB	Help for Table 210	Subpgm
ND4110AA		PDA
ND4110MB		Map
ND4210AA		PDA
ND4210NA	Case Modification Check	Subpgm
ND4700LA		LDA
Syserr Msg	5176	

6.0 CCR 479 – Add Field for Photos Included

GSA added a new field on the interface file for an indicator whether Photos are Included for the case.

Description of Change

Code was changed to allow entry and display of a Photos Included indicator.

Functional Impact

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

Validation Procedures

- Add a case.
Expected Results: The Pictures Included indicator will be available for entry on the GSA Reporting Data screen.
- Change a case.
Expected Results: The Pictures Included indicator will be available for change on the GSA Reporting Data screen.
- Perform a Case Review for a case on the Active Case file
Expected Results: The Pictures Included indicator will be displayed.
- Perform a Case Review for a case on the Case History file
Expected Results: The Pictures Included indicator will be displayed.
- Schedule and run the 016 (Daily Transaction Report), 110 (GSA Transmission Report), and 220(Archive History Files) reports.
Expected Results: The reports will complete successfully. The 110 report will contain the Photos Indicator to be sent to GSA. The output from the 220 report (flat file) will contain the Photos Indicator on the unloaded Case History and Transaction History files.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDCASELA		LDA
NDCASHLA		LDA
NDR016AA		PDA
NDR016LA		LDA
NDR110PA	GSA Dataset Generation	Program
NDR110PB	GSA Dataset Generation	Program
NDR220GL		GDA
NDR220PA	Archive History Files	Program
NDTXAALA		LDA
NDTXAELA		LDA
NDTXALA		LDA
NDTXHDLB		LDA
NDTXHLA		LDA
NDTXNHHLA		LDA
NDTXNLA		LDA
NDXCSUNA	Component System Data Update	Subpgm

ND4000MB		Map
ND4000PB	Online Case Display (History)	Program
ND4000PC	Online Case Display (Active)	Program
ND4110AA		PDA
ND4110MC		Map
ND4110PA	On-line Add	Program
ND4110TB	On-line Add Description	Text
ND4210AA		PDA
ND4210NA	Case Modification Check	Subpgm
ND4210PA	On-line Change	Program
ND4210TB	On-line Change Description	Text
ND4700LA		LDA
Syserr Msg	5177	

7.0 CCR 480 – Add Vehicle Information

GSA added 4 new fields for Vehicle information. These fields must be populated if a FSC for vehicles is entered.

Description of Change

Code was changed to allow entry and display of the vehicle information.

Functional Impact

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

Validation Procedures

- Add a case.
Expected Results: The Vehicle Info indicator will be available for entry on the GSA Reporting Data screen. If changed to 'Y' a window will be displayed for entry of the Vehicle ID Number, Model Year, Body Style, and Number of Cylinders.
- Change a case.
Expected Results: The Vehicle Info indicator will be available for entry on the GSA Reporting Data screen. If changed to 'Y' a window will be displayed for entry of the Vehicle ID Number, Model Year, Body Style, and Number of Cylinders.
- Perform a Case Review for a case on the Active Case file Press the PF4 key.
Expected Results: If the Vehicle ID Number, Model Year, Body Style, or the Number of Cylinders have been entered, a window will be displayed showing this information.
- Perform a Case Review for a case on the Case History file Press the PF4 key.
Expected Results: If the Vehicle ID Number, Model Year, Body Style, or the Number of Cylinders have been entered, a window will be displayed showing this information.
- Schedule and run the 016 (Daily Transaction Report), 110 (GSA Transmission Report), and 220(Archive History Files) reports.
Expected Results: The reports will complete successfully. The 110 report will contain the Vehicle ID Number, Model Year, Body Style, and/or Number of Cylinders to be sent to GSA. The output from the 220 report (flat file) will contain the Vehicle ID Number, Model Year, Body Style, and/or Number of Cylinders on the unloaded Case History and Transaction History files.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDCASELA		LDA
NDCASHLA		LDA
NDR016AA		PDA
NDR016LA		LDA
NDR110PA	GSA Dataset Generation	Program
NDR110PB	GSA Dataset Generation	Program

NDR220GL		GDA
NDR220PA	Archive History Files	Program
NDTXAALA		LDA
NDTXAELA		LDA
NDTXALA		LDA
NDTXHDLB		LDA
NDTXHLA		LDA
NDTXNHLA		LDA
NDTXNLA		LDA
NDUGSAMA		Map
ND4000MB		Map
ND4000PB	Online Case Display (History)	Program
ND4000PC	Online Case Display (Active)	Program
ND4110AA		PDA
ND4110MC		Map
ND4110MP		Map
ND4110PA	On-line Add	Program
ND4110TB	On-line Add Description	Text
ND4210AA		PDA
ND4210NA	Case Modification Check	Subpgm
ND4210NG	GSA Vehicle Information	Subpgm
ND4210PA	On-line Change	Program
ND4210TB	On-line Change Description	Text
ND4700LA		LDA
ND5102PA	Receipt T02	Program
Syserr Msg	5178	

8.0 CCR 485 – Remove Subinstallation check for scheduling reports

When scheduling regularly scheduled reports a check is no longer necessary for the center's subinstallation.

Description of Change

Code was changed to allow reports for an installation to be scheduled by a subinstallation

Functional Impact

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

Validation Procedures

- NOTE: This change will only be able to be tested by JSC.
- For a report that was added by a subinstallation (0991) try to schedule the report for the installation (0909).
Expected Results: Report should be scheduled.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND2300PA	Add, Change, and Delete Standard Reports	Program

9.0 CCR 486 – Improve performance for ADABAS VISTA & NEMS Interface

Currently the ADABAS VISTA file is encountering an enormous number of accesses per hour. After looking at the NEMS & NPDMS applications and the VISTA code, NEMS/NPDMS interface changes were identified to reduce the number of ADABAS VISTA accesses.

Description of Change

Code was changed to reduce the number of ADABAS VISTA calls.

Functional Impact

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

Validation Procedures

- This change was installed into production on October 23, 2003.

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

10.0 CCR 488 – New edit on Reimbursement Code/Donation Code

GSA updated their edits so that if Reimbursement is required (Y) then the Donation Eligibility must be No (N). If Reimbursement is not required (N) then the Donation Eligibility must be Yes (Y).

Description of Change

Code was changed to set the Donation Eligibility to 'N' if the Reimbursement Required is 'Y' or to 'Y' if the Reimbursement Required is 'N'.

Functional Impact

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

Validation Procedures

- Schedule and run the 110 (GSA) report with different PROP-REIM-CODEs.
Expected Results: Cases that have a PROP-REIM-CODE of 1, 4, 6, 8, A, B, E, or F will have Reimbursement Required = 'Y' and a Donation Eligibility = 'N'. Cases that don't a PROP-REIM-CODE of 1, 4, 6, 8, A, B, E, or F will have Reimbursement Required = 'N' and a Donation Eligibility = 'Y'.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
NDR110PA	GSA Dataset Generation	Program
NDR110PB	GSA Dataset Generation	Program

APPENDIX D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NPDMS SOFTWARE RELEASE 4.2

Introduction

Release information:

System Name: NPDMS
Release Number: 4.2
Release Date: December 5, 2003
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.R420.R1203.ERR
MSMOV.NPDMS.PROD.R420.R1203.SRC
MSMOV.NPDMS.PROD.R420.R1203.TBL210
XXMOV.NPDMS.PROD.R420.R1203.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 dataset:

MSMOV.NPDMS.PROD.R420.R1203.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	1
LOCAL/PARAM DATA AREA	18
MAPS	8
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	7
PROGRAMS	20
COPYCODE	0
TEXT	2
PROCESSOR	0
MISCELLANEOUS OBJECTS	0
Total:	56

2.2 List of Source Code Modifications

The following are the modules added, modified, and deleted.

Added Modules:

- | | |
|--------------|---------|
| 1. ND4110MP | Map |
| 2. ND4210NG | Subpgm |
| 3. NDR110NB | Subpgm |
| 4. NDR110NC | Subpgm |
| 5. NDT210LA | LDA |
| 6. NDU150PA | Program |
| 7. NDU210PA | Program |
| 8. NDU210PB | Program |
| 9. NDU468PA | Program |
| 10. NDU468PB | Program |
| 11. NDU468PC | Program |
| 12. NDU468PD | Program |
| 13. NDUGSAMA | Map |
| 14. NDX210HA | Program |
| 15. NDX210MB | Map |
| 16. NDX210NB | Subpgm |

Changed Modules:

- | | |
|--------------|---------|
| 1. ND2300PA | Program |
| 2. ND4000MB | Map |
| 3. ND4000PB | Program |
| 4. ND4000PC | Program |
| 5. ND4110AA | PDA |
| 6. ND4110MB | Map |
| 7. ND4110MC | Map |
| 8. ND4110PA | Program |
| 9. ND4110TB | Text |
| 10. ND4210AA | PDA |
| 11. ND4210NA | Subpgm |
| 12. ND4210PA | Program |
| 13. ND4210TB | Text |
| 14. ND4700LA | LDA |
| 15. ND5102PA | Program |

16.NDCASELA	LDA
17.NDCASHLA	LDA
18.NDO000PA	Program
19.NDR006MA	Map
20.NDR006ME	Map
21.NDR006PA	Program
22.NDR016AA	PDA
23.NDR016LA	LDA
24.NDR110PA	Program
25.NDR110PB	Program
26.NDR220GL	GDA
27.NDR220PA	Program
28.NDTXAALA	LDA
29.NDTXABLA	LDA
30.NDTXAELA	LDA
31.NDTXALA	LDA
32.NDTXHBLA	LDA
33.NDTXHDLB	LDA
34.NDTXHELA	LDA
35.NDTXHLA	LDA
36.NDTXNHLA	LDA
37.NDTXNLA	LDA
38.NDXCSUNA	Subprogram
39.NDXNEMPA	Program
40.NDX500NA	Subprogram

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 4.2.0. 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-4.2.0.

Use SYSDICBE to load the PREDICT modifications from the dataset:
 xxMOV.NPDMS.PROD.R420.R1203.PRD.

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

ND-CASE
 ND-CASE-HIST
 ND-TABLE
 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	-	5

4.1.2 Storage Considerations

Not applicable with this release.

4.1.3 Physical File Changes

Add the following fields:

ND-TABLE		File # 249							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*	-	-----	*	-----	-----	*	*	---	*
GR	1	COUNTRY-TABLE-210						GA	
	2	SYS-COUNTRY-NAME	A	30.0		GB	N		
	2	SYS-COUNTRY-STATE-CODE	A	2.0		GC	N		

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=249
ADADBS FNDEF='01,GA'
ADADBS FNDEF='02,GB,30,A,NU'
ADADBS FNDEF='02,GC,2,A,NU'
/*
```


3	PROP-LCTN-CNTRY-CODE	A	2.0	JN N
1	GSA-PHOTOS-IND	A	1.0	JA N
1	GSA-VEHICLE-BODY-STYLE-DESC	A	12.0	JB N
1	GSA-VEHICLE-CYLINDERS-NMBR	A	2.0	JC N
1	GSA-VEHICLE-MODEL-YEAR	A	4.0	JD N
1	GSA-VEHICLE-VIN-NMBR	A	20.0	JE N

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 Global Data Areas. The NASA Batch Standard Parameters should be used for the compile with the exception of ESIZE=128.

After all objects are compiled, the NPDMS application will run under the NASA On-line Standard Parameter.

6.0 Post-Predict Data Conversion

To be performed by the SESAAS DBA:

For each center, 4 job streams will be run to unload and then reload data for the following files: ND-CASE, ND-CASE-HIST, ND-TRANSACTION, and ND-TRANS-HIST. Natural programs will be used to unload the data into a format that can be used by ADABAS utilities to compress and then load the data in the new file format, matching the new 4.2.0 Predict definitions.

The following natural programs are used to unload the data for each center:

- NDU468PA to unload the ND-CASE file to a flat file
- NDU468PB to unload the ND-CASE-HIST file to a flat file
- NDU468PC to unload the ND-TRANSACTION file to a flat tile
- NDU468PD to unload the ND-TRANS-HIST file to a flat file.

7.0 Perform Release-Specific Procedures

7.1 Load Natural Error Messages

Load error messages from the NASA Distribution data set MSMOV.NPDMS.PROD.REL420.R1203.ERR, using the NATURAL SYSERR utility ERRLODUS. This release contains 809 error messages, which will load to the library NPDMS. For additional information concerning SYSERR, refer to the NATURAL 2 Administrator's Manual.

7.2 Load Country Code Table (210) from flat file

Execute NDR210PB in batch to load the Country Code Table from file MSMOV.NPDMS.PROD.R420.R1203.TBL210.

8.0 Local JCL Mods

```
140R220PA2001 //CMWK01 DD DSN=MSIRM.NPDMDD.CASE.ARCH1,
140R220PA2002 // DISP=(OLD,KEEP,KEEP),
140R220PA2003 // DCB=(RECFM=FB,LRECL=1875,BLKSIZE=3750),
140R220PA2004 // SPACE=(CYL,(40,20),RLSE),
140R220PA2005 // UNIT=SYSDA
140R220PA2006 //CMWK02 DD DSN=MSIRM.NPDMDD.TRANS.ARCH1,
140R220PA2007 // DISP=(OLD,KEEP,KEEP),
140R220PA2008 // DCB=(RECFM=FB,LRECL=3681,BLKSIZE=3681),
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 Load Country Code Table (210) from flat file

8.0 Local JCL Mods