

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

Release 4.0

NASA-NPDMS-VDD-14

PrISMS Contract

June 23, 2003



National Aeronautics and  
Space Administration

**George C. Marshall Space Flight Center**  
Huntsville, AL 35812





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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 4.0 and has an effective release date of June 23, 2003.

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

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

<u>CCR</u>	<u>Title</u>
456	Centralize NPDMS Application
471	Foreign Property – Remove edit 4147

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

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

### 1.3 **SCOPE**

This VDD provides the functional and technical user of NPDMS with information regarding the content, status, and structure of Release 4.0, including the following:

- Changes implemented since Release 3.1.1;
- 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](mailto: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**

This section is not applicable for this release.

### **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 3.1 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.

#### **4.0 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:

<b>Section</b>	<b>CCR</b>	<b>Title</b>
1.0	456	Centralize NPDMS application
2.0	471	Foreign Property – Remove edit 4147

Details for the validation procedures follow:

## **1.0 CCR 456 – Centralize NPDMS Application**

The NPDMS system currently exists in a distributed environment at All Centers. There is duplication of software and storage requirements. Duplication of personnel resource requirements exists.

### **Description of Change**

The software and data for the NPDMS system will be transitioned from a distributed environment to a centralized environment where each center will be able to maintain their own data.

### **Functional Impact**

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

### **Validation Procedures**

- Perform a controlled add using an ECN from the same center.  
Expected Results: The add should populate information for the case from the NEMS-EQUIPMENT file.
- Perform a controlled add using an ECN from another center.  
Expected Results: An error message should be displayed indicating that the NEMS Equipment record is not found for the ECN.
- Validate access to the following Agencywide tables: 005, 010, 020, 025, 030, 035, 045, 050, 051, 060, 062, 065, 070, 075, 080, 085, 090, 095, 105, 145, 160, 165, 170, 180, and 190.  
Expected Results: Values for these tables should be common for all centers and centers should be able to access these tables
- Validate access to the following Unique tables: 001, 040, 055, and 155.  
Expected Results: Values for these tables should be limited to their center. A center should not be able to update another center's table.
- Add a Standard Report to run.  
Expected Results: The report should be scheduled to run.
- Change the running of a Standard Report.  
Expected Results: The report should be scheduled to run with the changes.
- Delete the running of a Standard Report.  
Expected Results: The report should no longer be scheduled to run.
- Postpone the running of a report.  
Expected Results: The report should not run when the batch cycle executes.
- Schedule selected reports from the following changed reports: 004, 005, 007, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018, 020, 024, 025, 026, 027, 110, 130, 140, 150, and 230.  
Expected Results: The report should run and report data for the requesting center.

<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ADDUSER2	Update User Access Table	Program
BLDCASE	Update building number on ND-CASE file	Program
BLDNDNSM	Update building number on ND-NSMS file	Program

BLDNDBTL	Update building number on ND-TABLE file	Program
BLDNDBTXN	Update building number on ND-TRANSACTION file	Program
ETB100P1	EntireX Broker Application Server	Program
ND2100PA	View Scheduled Reports	Program
ND2200PA	Request Specific Reports	Program
ND2300PA	Add, Change, Delete Running of Standard Reports	Program
ND2400PA	Postpone, Cancel, or Reverse the Scheduled Production of Reports	Program
ND2500PA	Select Cases for Printing DRMO 1348	Program
ND3000MC	NPDMS Central Table Update Menu Map	Map
ND3000PA	NPDMS Table File Selection	Program
ND3000PB	NPDMS Table File Selection	Program
ND3000TB	NPDMS Central Table Help Map	Map
ND3001MA	User Access Table Map	Map
ND3001PA	User Access Table Update	Program
ND3001PB	Browse ND-Table User Access	Program
ND3005PA	GSA Region Table Update	Program
ND3010PA	DRMO DOCAAC Table Update	Program
ND3020PA	Federal Supply Classification (FSC) Code Table Update	Program
ND3025PA	Unit of Measure Table Update	Program
ND3030PA	Supply Condition Code Table Update	Program
ND3035PA	Disposal Condition Code Table Update	Program
ND3040PA	Performance-Measures Standard Table	Program
ND3040PB	Browse ND-Table Performance Measures Map for DML Code Table	Program Map
ND3045MA	Demilitarization (DML) Code Table Update	Program
ND3045PA	Demilitarization (DML) Code Table Update	Program
ND3050MA	Center Profile Table Map	Map
ND3050PA	Center Profile Table	Program
ND3051PA	Reporting Table Agency Table Update	Program
ND3055PA	Report/Maintenance Selection Table	Program
ND3055PB	Browse ND-Table Report/Maint Table	Program
ND3060PA	Shelf Life Code Table Update	Program
ND3062PA	Shelf Life Code Table Update	Program
ND3065PA	Hazardous Materials Code Table Update	Program
ND3070PA	Controlled Inventory Item Code Table Update	Program
ND3075PA	ADPE Identification Code Table Update	Program
ND3080PA	Precious Metals Code Table Update	Program
ND3085PA	Material Management Aggregation Code Table Update	Program
ND3090PA	DRMO Disposal Authority Code Table Update	Program
ND3095PA	DRMO Additional Data Code Table Update	Program
ND3105MA	Installation Code Table Update Map	Map
ND3105PA	Installation Code Table Update	Program
ND3145PA	Printer Destination Table Update	Program
ND3155MA	Screening Days Table Update Map	Map

ND3155PA	Screening Days Table Update	Program
ND3155PB	Browse ND-Screening Days Table	Program
ND3160PA	Reimbursement Code Table Update	Program
ND3165PA	Hazardous Materials Indicator Code Table	Program
ND3170PA	Recipient Name Table Update	Program
ND3180MA	Transfer Type Table Update Map	Map
ND3180PA	Transfer Type Table Update	Program
ND3190MA	Transfer Subtype Table Update Map	Map
ND3190PA	Transfer Subtype Table Update	Program
ND4000NA	Description Scrolling Process	Subprogram
ND4000NB	Description Scrolling Process	Subprogram
ND4000PB	Case Display	Program
ND4000PC	Case Display	Program
ND4110MB	On-Line Add Map	Map
ND4110NB	Description Scrolling Process	Subprogram
ND4110PA	On-Line Add	Program
ND4110TB	On-Line Add Documentation	Text
ND4210NA	Case Modification Check	Subprogram
ND4210NE	Set Y2K Flags	Subprogram
ND4210PA	On-Line Change	Program
ND4210TB	On-Line Change Documentation	Text
ND4700PA	Convert Case to Component System	Program
ND4800PA	Convert Component System Item to Single Case Item	Program
ND4910MA	Add Sale Lots Map	Map
ND4910PA	Add Sale Lots	Program
ND4920PB	Change Sale/Lots, Part 2 (Delete Cases)	Program
ND4920PC	Change Sale/Lost, Part 3	Program
ND4940PB	Change Sealed Bids, Part 1	Program
ND4950PA	Add/Change Awardee (Lot Nmbr Directory)	Program
ND5106PA	Utilized by Other NASA Center	Program
NDB000PA	Batch Processing Driver Program	Program
NDCENTPA	NPDMS Central	Program
NDCMNUMA	NPDMS Central Main Menu	Map
NDCMNUPA	NPDMS Central Main Menu Program	Program
ND-GDA	Global Data Area	Global
NDM100PA	NSMS Batch Interface Process with NPDMS System	Program
NDM200PA	Serial Number Table Reset Processing	Program
NDM300PA	Batch Processing Audit Report	Program
NDM310PA	Adoss Table Processing and Reset	Program
NDN000XA	Command Processor for NPDMS	Processor
NDN000XB	Command Processor for NPDMS Central	Processor
NDNEMSLA	Local for NEMS-INV-STATUS	Local
NDO000MB	Main Menu	Map
NDO000MG	Map	Map

NDO000PA	Global Initialization and Welcome Screen	Program
NDO000PB	NPDMS Global Initialization Program	Program
NDO000PC	Main Menu Program	Program
NDO000PD	NPDMS Central Global Initialization Program	Program
NDO000TC	NPDMS Central Main Menu Help Map	Map
NDR004PA	Items Reported to GSA Over 180 Days	Program
NDR005PA	Foreign Screening Report	Program
NDR007PA	Generate NEMS Interface Report	Program
NDR009PA	623 Monthly Report of Utilization and Disposal of Idle, Excess and Surplus NASA Property (Excluding Foreign and Exchange/Sale Property)	Program
NDR009PB	623 Monthly Report of Utilization and Disposal of Idle, Excess and Surplus NASA Property (Excluding Foreign and Exchange/Sale Property)	Program
NDR009PC	623 Monthly Report of Utilization and Disposal of Idle, Excess and Surplus NASA Property (Excluding Foreign and Exchange/Sale Property)	Program
NDR009PD	623 Monthly Report of Utilization and Disposal of Idle, Excess and Surplus NASA Property (Excluding Foreign and Exchange/Sale Property)	Program
NDR009PE	623 Monthly Report of Utilization and Disposal of Idle, Excess and Surplus NASA Property (Excluding Foreign and Exchange/Sale Property)	Program
NDR010PA	623 Annual Report of Utilization and Disposal of Idle, Excess and Surplus NASA Property (Excluding Foreign and Exchange/Sale Property)	Program
NDR010PB	623 Annual Report of Utilization and Disposal of Idle, Excess and Surplus NASA Property (Excluding Foreign and Exchange/Sale Property)	Program
NDR010PC	623 Annual Report of Utilization and Disposal of Idle, Excess and Surplus NASA Property (Excluding Foreign and Exchange/Sale Property)	Program
NDR010PD	623 Annual Report of Utilization and Disposal of Idle, Excess and Surplus NASA Property (Excluding Foreign and Exchange/Sale Property)	Program
NDR010PE	623 Annual Report of Utilization and Disposal of Idle, Excess and Surplus NASA Property (Excluding Foreign and Exchange/Sale Property)	Program
NDR011PA	Foreign Disposal Approval Form	Program
NDR012PA	NASA Form 811, Determination for Classification of Property as Scrap or Salvage Report	Program
NDR013PA	NASA Form 812, Determination for Authorization to Abandon or Destroy Surplus Property Report	Program
NDR014PA	Idle Property Screening List	Program
NDR015PA	Cases Eligible for Transfer to DRMO	Program
NDR016NB	Daily Transaction Report	Subprogram

NDR016NC	Daily Transaction Report	Subprogram
NDR016ND	Daily Transaction Report	Subprogram
NDR016PA	Daily Transaction Report	Program
NDR017PB	Annual Report of Exchange Sale Transaction	Program
NDR017PC	Annual Report of Exchange Sale Transaction	Program
NDR018PA	Sales Prep Report	Program
NDR020PA	Bidder's Notification of Award	Program
NDR024PA	NSMS Accepted Items Report	Program
NDR025PA	NSMS Rejected Items Report	Program
NDR026PA	NSMS Matching/Overage/Underage Report	Program
NDR027PA	Sales Slip	Program
NDR110NA	GSA Dataset Generation	Subprogram
NDR110PA	GSA Dataset Generation	Program
NDR110PB	GSA Dataset Generation	Program
NDR130PC	GSA SF-120 Withdrawal/Correction (History)	Program
NDR140PA	Issue Release/Receipt Document	Program
NDR150PA	NF-1638 Idle Personal Property Pickup Authorization Generation	Program
NDR220GL	GDA for 220 Report	Global
NDR220PA	Archive History Files	Program
NDR230PA	Final Disposition for Each FSC Within a User Specified Date Range – Summary Report for all Items.	Program
NDRPTSLA	Local	Local
NDSCRNN1	NASA Web Screening Query	Subprogram
NDT055LA	Local	Local
NDT055LB	LDA	Local
NDU140PA	Load the NPDMS JCL from a Work File	Program
NDU200PA	Load the ADOSS Table from a Work File	Program
NDUBALPA	Utility to Reset Balances for the Monthly and Annual 623 Reports	Program
NDUJCLPA	ND-TABLE 140 JCL Utility	Program
NDURPTPA	Schedule Maintenance Jobs	Program
NDURPTPB	Display JCL	Program
NDX100PA	Command Processor	Program
NDX200CA	On Error Copycode	Copycode
NDX200CB	On Error Copycode	Copycode
NDX200MA	Map	Map
NDX200PA	General On Error Processing Routine	Program
NDX201CA	On Error Copycode	Copycode
NDX410NA	Calculate Installation & NASA-wide Screening Days & End Dates	Subprogram
NDX410NB	Calculate Other Federal Agency and Donation Screening Days & End Dates	Subprogram
NDX472NA	Update Freeze Transactions and Put All Component Item Transactions to History	Subprogram

NDX500NA	Formats Transactions X19 and X90	Subprogram
NDX599NA	Moves a Specified Item (Case) and All Associated Transactions from History to Active files.	Subprogram
NDX599NB	Moves a Specified Item (Case) and All Associated Transactions from History to Active files.	Subprogram
NDX599NC	Moves a Specified Item (Case) and All Associated Transactions from History to Active files.	Subprogram
NDXCSUNA	Component System Data Update	Subprogram
NDXERNNA	Generate Entry Reference Number (ERN)	Subprogram
NDXHSTNA	Retires Transaction records to the History File	Subprogram
NDXNEMNA	Retrieve NEMS Data	Subprogram
NDXNEMNB	Retrieve NEMS Data	Subprogram
NDXNEMPA	NPDMS Interface with NEMS	Program
NDXNEMSA	Non-Controlled to Controlled	Subroutine
NDXPCNNA	Generate Property Case Number (PCN)	Subprogram
NDXUSRNA	Lookup Installation Number from User ID	Subprogram
NDXLODPA	Table Load	Program
NDXUNLPA	Table Unload	Program
TBLDELPA	Delete Center's Table Data	Program
TBLGEN	Initial Table Center Specific Download	Program
TBLLOAD	Load ND-TABLE	Program
TBLLOD	Initial Table Center Specific Upload	Program
TBLUNLD	Unload ND-TABLE	Program
TBLUSRPA	Add IDs	Program

## **2.0 CCR 471 – Foreign Property – Remove edit 4147**

When foreign property is added to NPDMS a state code is not allowed (edit 4147).

### **Description of Change**

Removed edit 4147 that requires the state code to be blank for foreign property. Also added the following codes to the state code table:

CB	the Caribbean
EU	Europe
PS	Panama and Central and South America
AJ	Asia, Japan, the Philippines, and the Pacific

### **Functional Impact**

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

### **Validation Procedures**

- Perform an add for a foreign property item leaving the state code blank.  
Expected Results: Message '4180 PLEASE ENTER VALID 2 CHARACTER STATE ABBREVIATION' will be displayed.
- Perform an add for a foreign property item. Enter a valid value (CB, EU, PS, or AJ) for the state code. Leave the country field blank.  
Expected Results: Message '4190 MUST ENTER COUNTRY IF FOREIGN PROPERTY IND = 'Y'' will be displayed.

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<u>MODULE ID</u>	<u>MODULE NAME</u>	<u>TYPE</u>
ND4110MB	On-Line Add Map	Map

## **APPENDIX D - INSTALLATION INSTRUCTIONS AND CHECKLIST FOR NPDMS SOFTWARE RELEASE 4.0**

### **Introduction**

Release information:

System Name: NPDMS  
Release Number: 4.0  
Release Date: June 23, 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.R400.R0603.SRC  
xxMOV.NPDMS.PROD.R400.R0603.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**

**2.1 Copy Source Code**

Load the NPDMS source library from dataset:

MSMOV.NPDMS.PROD.R400.R0603.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	2
LOCAL/PARAM DATA AREA	4
MAPS	16
HELP ROUTINES	0
SUBROUTINES	1
SUBPROGRAMS	24
PROGRAMS	120
COPYCODE	3
TEXT	2
PROCESSOR	2
MISCELLANEOUS OBJECTS	0
Total:	174

## 2.2 List of Source Code Modifications

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

### **Added Modules:**

1. ADDUSER2	Program
2. BLDCASE	Program
3. BLDNDNSM	Program
4. BLDNDTBL	Program
5. BLDNDTXN	Program
6. ND3000MC	Map
7. ND3000PB	Program
8. ND3000TB	Map
9. NDCENTPA	Program
10. NDCMNUMA	Map
11. NDCMNUPA	Program
12. NDO000MG	Map
13. NDO000PD	Program
14. NDO000TC	Map
15. NDSCRNN1	Subprogram
16. NDT055LB	Local
17. NDUJCLPA	Program
18. NDXUSRNA	Subprogram
19. REPINSNO	Program
20. TBLDELPA	Program
21. TBLGEN	Program
22. TBLLOAD	Program
23. TBLLOD	Program
24. TBLLODPA	Program
25. TBLUNLD	Program
26. TBLUNLPA	Program
27. TBLUSRPA	Program

### **Changed Modules:**

1. ND2100PA	Program
2. ND2200PA	Program
3. ND2300PA	Program
4. ND2400PA	Program
5. ND2500PA	Program
6. ND3000PA	Program
7. ND3001MA	Map
8. ND3001PA	Program
9. ND3001PB	Program
10. ND3005PA	Program

11.	ND3010PA	Program
12.	ND3020PA	Program
13.	ND3025PA	Program
14.	ND3030PA	Program
15.	ND3035PA	Program
16.	ND3040PA	Program
17.	ND3040PB	Program
18.	ND3045MA	Map
19.	ND3045PA	Program
20.	ND3050MA	Map
21.	ND3050PA	Program
22.	ND3051PA	Program
23.	ND3055PA	Program
24.	ND3055PB	Program
25.	ND3060PA	Program
26.	ND3062PA	Program
27.	ND3065PA	Program
28.	ND3070PA	Program
29.	ND3075PA	Program
30.	ND3080PA	Program
31.	ND3085PA	Program
32.	ND3090PA	Program
33.	ND3095PA	Program
34.	ND3105MA	Map
35.	ND3105PA	Program
36.	ND3145PA	Program
37.	ND3155MA	Map
38.	ND3155PA	Program
39.	ND3155PB	Program
40.	ND3160PA	Program
41.	ND3165PA	Program
42.	ND3170PA	Program
43.	ND3180MA	Map
44.	ND3180PA	Program
45.	ND3190MA	Map
46.	ND3190PA	Program
47.	ND4000NA	Subprogram
48.	ND4000NB	Subprogram
49.	ND4000PB	Program
50.	ND4000PC	Program
51.	ND4110MB	Map
52.	ND4110NB	Subprogram
53.	ND4110PA	Program

54.	ND4110TB	Text
55.	ND4210NA	Subprogram
56.	ND4210NE	Subprogram
57.	ND4210PA	Program
58.	ND4210TB	Text
59.	ND4700PA	Program
60.	ND4800PA	Program
61.	ND4910MA	Map
62.	ND4910PA	Program
63.	ND4920PB	Program
64.	ND4920PC	Program
65.	ND4940PB	Program
66.	ND4950PA	Program
67.	ND5106PA	Program
68.	NDB000PA	Program
69.	ND-GDA	Global
70.	NDM100PA	Program
71.	NDM200PA	Program
72.	NDM300PA	Program
73.	NDM310PA	Program
74.	NDN000XA	Processor
75.	NDN000XB	Processor
76.	NDNEMSLA	Local
77.	NDO000MB	Map
78.	NDO000PA	Program
79.	NDO000PB	Program
80.	NDO000PC	Program
81.	NDR004PA	Program
82.	NDR005PA	Program
83.	NDR007PA	Program
84.	NDR009PA	Program
85.	NDR009PB	Program
86.	NDR009PC	Program
87.	NDR009PD	Program
88.	NDR009PE	Program
89.	NDR010PA	Program
90.	NDR010PB	Program
91.	NDR010PC	Program
92.	NDR010PD	Program
93.	NDR010PE	Program
94.	NDR011PA	Program
95.	NDR012PA	Program
96.	NDR013PA	Program

97.	NDR014PA	Program
98.	NDR015PA	Program
99.	NDR016NB	Subprogram
100.	NDR016NC	Subprogram
101.	NDR016ND	Subprogram
102.	NDR016PA	Program
103.	NDR017PB	Program
104.	NDR017PC	Program
105.	NDR018PA	Program
106.	NDR020PA	Program
107.	NDR024PA	Program
108.	NDR025PA	Program
109.	NDR026PA	Program
110.	NDR027PA	Program
111.	NDR110NA	Subprogram
112.	NDR110PA	Program
113.	NDR110PB	Program
114.	NDR130PC	Program
115.	NDR140PA	Program
116.	NDR150PA	Program
117.	NDR220GL	Global
118.	NDR220PA	Program
119.	NDR230PA	Program
120.	NDRPTSLA	Local
121.	NDT055LA	Local
122.	NDU140PA	Program
123.	NDU200PA	Program
124.	NDUBALPA	Program
125.	NDURPTPA	Program
126.	NDURPTPB	Program
127.	NDX100PA	Program
128.	NDX200CA	Copycode
129.	NDX200CB	Copycode
130.	NDX200MA	Map
131.	NDX200PA	Program
132.	NDX201CA	Copycode
133.	NDX410NA	Subprogram
134.	NDX410NB	Subprogram
135.	NDX472NA	Subprogram
136.	NDX500NA	Subprogram
137.	NDX599NA	Subprogram
138.	NDX599NB	Subprogram
139.	NDX599NC	Subprogram

140.	NDXCSUNA	Subprogram
141.	NDXERNNA	Subprogram
142.	NDXHSTNA	Subprogram
143.	NDXNEMNA	Subprogram
144.	NDXNEMNB	Subprogram
145.	NDXNEMPA	Program
146.	NDXNEMSA	Subroutine
147.	NDXPCNNA	Subprogram

**Deleted Modules:**

1.	ND281FPA	Program
2.	ND281FPB	Program
3.	ND3015MA	Map
4.	ND3015PA	Program
5.	ND3015PB	Program
6.	ND3015TA	Map
7.	ND6000MA	Map
8.	ND6000PA	Program
9.	ND6000TA	Map
10.	ND6020MA	Map
11.	ND6020PA	Program
12.	ND6020TA	Map
13.	NDCASUPD	Program
14.	NDIFM1PA	Program
15.	NDIFM2MA	Map
16.	NDIFM2NA	Subprogram
17.	NDINVLA	Local
18.	NDMGSAPA	Program
19.	NDMGSAPB	Program
20.	NDMGSAPD	Program
21.	NDR008MA	Map
22.	NDR008MB	Map
23.	NDR008MC	Map
24.	NDR008PA	Program
25.	NDR021MA	Map
26.	NDR021MB	Map
27.	NDR021MC	Map
28.	NDR021MD	Map
29.	NDR021ME	Map
30.	NDR021MF	Map
31.	NDR021MG	Map
32.	NDR021MH	Map
33.	NDR021MI	Map
34.	NDR021MJ	Map
35.	NDR021MK	Map

36.	NDR021ML	Map
37.	NDR021PA	Program
38.	NDR022MA	Map
39.	NDR022MB	Map
40.	NDR022MC	Map
41.	NDR022MD	Map
42.	NDR022ME	Map
43.	NDR022MF	Map
44.	NDR022MG	Map
45.	NDR022MH	Map
46.	NDR022MI	Map
47.	NDR022MJ	Map
48.	NDR022MK	Map
49.	NDR022ML	Map
50.	NDR022PA	Program
51.	NDR210PA	Program
52.	NDR210PB	Program
53.	NDR949PA	Program
54.	NDR999MA	Map
55.	NDR999MB	Map
56.	NDR999NA	Subprogram
57.	NDR999PA	Program
58.	NDR999PB	Program
59.	NDT140LA	Local
60.	NDU035PA	Program
61.	NDU050PA	Program
62.	NDU051PA	Program
63.	NDU055PA	Program
64.	NDU089PA	Program
65.	NDU140PB	Program
66.	NDU155MA	Map
67.	NDU155PA	Program
68.	NDU160MA	Map
69.	NDU160PA	Program
70.	NDU165PA	Program
71.	NDUBCKPA	Program
72.	NDUBCKPB	Program
73.	NDUBCKPC	Program
74.	NDUCASPB	Program
75.	NDUDELPA	Program
76.	NDUDELPB	Program
77.	NDUDELPC	Program
78.	NDUDMPPA	Program
79.	NDUDMPPB	Program
80.	NDUDNLPA	Program
81.	NDUDNLPB	Program

82.	NDUDNLPC	Program
83.	NDUDNLPD	Program
84.	NDUDNLPE	Program
85.	NDUERNPA	Program
86.	NDUERNPB	Program
87.	NDULTBPA	Program
88.	NDUNDLPE	Program
89.	NDUNSMPA	Program
90.	NDURPTPD	Program
91.	NDURPTPE	Program
92.	NDURSTPA	Program
93.	NDURSTPB	Program
94.	NDURSTPC	Program
95.	NDUSHLPA	Program
96.	NDUT16PA	Program
97.	NDUTBLMA	Map
98.	NDUTBLPA	Program
99.	NDUTXNPA	Program
100.	NDUUPLPA	Program
101.	NDUUPLPB	Program
102.	NDUUPLPC	Program
103.	NDUUPLPD	Program
104.	NDUUPLPE	Program
105.	NDUUPLPF	Program
106.	NDUUPLPG	Program
107.	NDUUPLPX	Program
108.	NDUUPLPY	Program
109.	NDUUSRPA	Program
110.	NDUUTBPA	Program
111.	NDUVERPA	Program
112.	NDX021PA	Program
113.	NDX021PB	Program
114.	NDX022PA	Program
115.	NDX022PB	Program

### 3.0 Pre-Predict Data Conversion

All NPDMS core files should be made to exactly match the core PREDICT layout for release 3.1.1.

## 4.0 Install Predict

### 4.1 Data Dictionary Changes

This release will include the new enhancements for Version 4.0.0. 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-4.0.0.

Use SYSDICBE to load the PREDICT modifications from the dataset:  
xxMOV.NPDMS.PROD.R400.R0603.PRD.

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

ND-CASE	248
ND-REPORT	254
ND-TABLE	249

The following NPDMS file should be deleted from PREDICT:

ND-INVENTORY	247
--------------	-----

The following Natural Security link should be added for the NPDMS library:

NEMS-TRANSFER	UPDATE
---------------	--------

The following Natural Security links should be removed for the NPDMS library:

ND-INVENTORY	UPDATE
NEMS-IFM-PROP-INT-FILE	UPDATE
NEMS-IFM-PROP-INT-TBL	UPDATE

#### 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	-	3

### 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
*--	-	-----	*--	-----	-----	*	*	--	*
1		AR-FSC-USED-IND	A	1.0				FT	N
1		DF-FSC-USED-IND	A	1.0				FU	N
1		GR-FSC-USED-IND	A	1.0				FV	N
1		GS-FSC-USED-IND	A	1.0				FW	N
1		J5-FSC-USED-IND	A	1.0				FX	N
1		KS-FSC-USED-IND	A	1.0				FY	N
1		LA-FSC-USED-IND	A	1.0				FZ	N
1		MS-FSC-USED-IND	A	1.0				GT	N
1		SS-FSC-USED-IND	A	1.0				GU	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=249
ADADBS FNDEF='01,FT,1,A,NU'
ADADBS FNDEF='01,FU,1,A,NU'
ADADBS FNDEF='01,FV,1,A,NU'
ADADBS FNDEF='01,FW,1,A,NU'
ADADBS FNDEF='01,FX,1,A,NU'
ADADBS FNDEF='01,FY,1,A,NU'
ADADBS FNDEF='01,FZ,1,A,NU'
ADADBS FNDEF='01,GT,1,A,NU'
ADADBS FNDEF='01,GU,1,A,NU'
/*
```

Add the following field:

ND-REPORT		File # 254							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*--	-	-----	*--	-----	-----	*	*	--	*
2		RPT-INST-NMBR	A	4.0				AG	N

Using the following commands:

```
//DDKARTE DD *
ADADBS NEWFIELD FILE=254
```

```
ADADBS FNDEF='02,AG,4,A,NU'
/*
```

Invert the following field:

```
ND-CASE                               File # 248
  Ty L Field ID                        F Length Occ D U DB S
  *- - -----*-----*-----* * * -- *
      2 WRHS-LCTN-ADRS                 A   12.0   D   DQ N
```

Using the following commands:

```
//DDKARTE DD *
ADAINV INVERT FILE=248
ADAINV TEMPSIZE=???,SORTSIZE=???,
ADAINV FIELD='DQ'
/*
```

Invert the following Superdescriptor:

```
ND-TABLE                               File # 249
  Ty L Field ID                        F Length Occ D U DB S
  *- - -----*-----*-----* * * -- *
      SP 1 SYS-TBL-ID-INST-REC-KEY-SP  A   19.0   D   FS N
```

Using the following commands:

```
//DDKARTE DD *
ADAINV INVERT FILE=249
ADAINV TEMPSIZE=???,SORTSIZE=???,
ADAINV SUPDE='FS=AC(1,3),AB(1,2),AF(1,2),AD(1,12)'
/*
```

Invert the following Superdescriptors:

```
ND-CASE                               File # 248
  Ty L Field ID                        F Length Occ D U DB S
  *- - -----*-----*-----* * * -- *
      SP 1 WEB-COST-CASE-ITEM           A   28.0   D   FZ N
      SP 1 WEB-FSC-CASE-ITEM           A   20.0   D   GA N
      SP 1 WEB-ITEM-NAME-CASE-ITEM     A   76.0   D   GB N
      SP 1 WEB-MFG-CODE-CASE-ITEM      A   21.0   D   GC N
      SP 1 WEB-MFG-MODEL-NO-CASE-ITEM  A   36.0   D   GD N
```

Using the following commands:

```
//DDKARTE DD *
ADAINV INVERT FILE=248
ADAINV TEMPSIZE=???,SORTSIZE=???
ADAINV SUPDE='FZ=BY(1,12),AC(1,14),AD(1,2)'
ADAINV SUPDE='GA=DA(1,4),AC(1,14),AD(1,2)'
ADAINV SUPDE='GB=A8(1,60),AC(1,14),AD(1,2)'
ADAINV SUPDE='GC=A9(1,5),AC(1,14),AD(1,2)'
ADAINV SUPDE='GD=BB(1,20),AC(1,14),AD(1,2)'
/*
```

Delete the following physical file:

```
ND-INVENTORY      File # 247
```

Using the following commands:

```
//DDKARTE DD *
ADADBS DELETE FILE=247
/*
```

## 5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all modules that start with BLD\* in the NPDMS or other named library. **IT IS 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**

- Load one center's ND-TABLE and ND-REPORT onto DB 109 (NACOMN) to start the conversion process.
- Run **TBLGEN** - Unload the center specific table files to a flat file.
- Run **REPINSNO** - Convert the Center's ND-REPORT file.
- Run **TBLLOAD** - Load the Common table to new environment.
- Run **TBLLOD** - Load the Center's table to the new environment.
- Load the other Center files to the new environment (NAPROD).

## **7.0 Perform Release-Specific Procedures**

Not Applicable

## **8.0 Local JCL Mods**

Refer to center Transition Plan / Agreement for JCL changes.

## **9.0 Installation Checklist**

- 1.0 Back Up Existing Data
- 2.0 Copy Source
  - 2.1 Copy Source Code
  - 2.2 List of Source Code Modifications
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
  - 4.1 Data Dictionary Changes
    - 4.1.1 Inventory of Objects
    - 4.1.2 Storage Considerations
    - 4.1.3 Physical File Changes
- 5.0 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 Perform Release Specific Procedures
- 8.0 Local JCL Mods