

VERSION DESCRIPTION DOCUMENT FOR THE NASA PERSONNEL/PAYROLL SYSTEM

Software Release

8.6.3

PrISMS Contract

Date: 02/07/03



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, Alabama 35812

**VERSION DESCRIPTION DOCUMENT
FOR THE
NASA PERSONNEL/PAYROLL SYSTEM
SOFTWARE RELEASE 8.6.3**

Approved by

02/07/03

Sheila Fogle

Date

Consolidation Center Project Manager

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

02/07/03

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1. INTRODUCTION

This Version Description Document (VDD) identifies the exact version of the National Aeronautics and Space Administration (NASA) Personnel/Payroll System (NPPS) software released for installation/implementation.

1.1 IDENTIFICATION OF THE RELEASE

System Name – NPPS

Release Number – Software Release 8.6.3

The release datasets will be made available to the support Database Administrator (DBA) for installation, at which time all centers will be notified that it has been installed in the appropriate test database.

1.2 PURPOSE OF THE RELEASE

The purpose of this release is to implement the NPPS software allocated for this release in a test environment. The detailed description of the release is specified in Appendix C, Functional Change Validation Procedures.

1.3 SCOPE OF THE RELEASE

The VDD provides the functional and technical user of NPPS with the following information regarding changes to the contents and status of the application, NPPS Release 8.6.3, including the following:

- Changes implemented since the last release
- References to other documents affected by this release
- Changes to application files and data formats
- Detailed software installation procedures
- Validation procedures to ensure the reliability of the software changes.

1.4 CONTACT POINTS

Sustaining Engineering Support for Agencywide Administrative Systems (SESAAS) provides sustaining engineering for NPPS through the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (use the following Key Words: SESAAS & NPPS)

Telephone: (256) 544-5516

E-Mail: billy.graham@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 Predict changes related to this release.

2.2 FUNCTIONAL INTERFACES

Not Applicable

2.3 CRITICAL ISSUES

Not Applicable

2.4 AFFECTED DOCUMENTS

NPPS System/Software Requirements Specification (SRS)
NPPS-UOG-10, NPPS User and Operations Guide (UOG)
NASA Personnel/Payroll System (NPPS)/TechTracS Interface Definition
Agreement (New document)

2.5 APPLICATION SYSTEM ADMINISTRATION

Not Applicable

3. TECHNICAL INFORMATION

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

3.1 TECHNICAL SYSTEM INTERFACES

Not Applicable

3.2 DATA DICTIONARY CHANGES

The data dictionary changes are detailed in Appendix D, Installation Instructions.

3.3 SOFTWARE OBJECT CHANGES

Modified programs are specified in Paragraph 3.2 of Appendix D, Installation Instructions.

3.4 DATABASE ADMINISTRATION

The specific database administration activities for NPPS 8.6.3 are detailed in Appendix D, Installation Instructions.

3.4.1 Release Dataset Names

The datasets for Software Release 8.6.3 are included in the Introduction of Appendix D, Installation Instructions.

3.4.2 Inventory of Objects

An inventory of objects is described in Paragraph 3.2 of Appendix D, Installation Instructions.

3.4.3 Storage Considerations

Not Applicable

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions, for detailed installation procedures.

3.5 OPERATIONAL PREPARATION

Refer to the procedures described in Section 3.4.4 for assistance in preparing for proper installation and operational use of the release.

APPENDIX A
ABBREVIATIONS AND ACRONYMS

ABBREVIATIONS AND ACRONYMS

ADP	Automated Data Processing
CPO	Consolidated Payroll Office
DBA	Database Administrator
DDM	Data Definition Module
DR	Discrepancy Report
HR	Human Resources
ICB	Inventions and Contributions Board
ICD	Interface Change Document
IRM	Information Resources Management
JCL	Job Control Language
MSFC	Marshall Space Flight Center
NACC	NASA ADP Consolidation Center
NASA	National Aeronautics and Space Administration
NPPS	NASA Personnel/Payroll System
NTTS	NASA Technology Tracking System (TechTracS)
RC	Requirements Change
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
VDD	Version Description Document

APPENDIX B
GLOSSARY

GLOSSARY

Consolidation Center

Responsibility for processing and balancing payroll for all centers in the consolidated database.

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of an application release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with an application.

APPENDIX C
FUNCTIONAL CHANGE VALIDATION
PROCEDURES

VALIDATION PROCEDURES SOFTWARE RELEASE 8.6.3 PERSONNEL & PAYROLL

1. 20020111

A. Purpose:

- (1) Create a new interface from TechTracS System to NPPS, containing Space Act Awards, to be processed into the NPPS Personnel Action Interface File. Provide status reporting for validated (loaded) records, and invalid (not loaded) records with error messages.
- (2) Remove ability to add, change, and cancel award type “V” (Space Act Award in the CASHPAY screen function, and the MASSCASH screen function.

B. Test Procedure:

- Job names reflect those of the SESAAS testing environment and may be different in the production environment.
- Submit BJS job NETTAWD read file that was sent from TechTracS for processing/loading into NPPS.

C. Validation (1):

- Verify that valid records were loaded to the NPS2-PERACT-INT(erface) file, and invalid records were not loaded to the NPS2-PERACT-INT(erface) file.
- Verify that the new report “374 - TECHTRACS ICB AWARDS LOADED TO PERACT INTERFACE FILE” correctly reflects which records were loaded, and which records were not loaded with error message(s).
- Run BJS job NE00366 “Interface Errors”, to further validate, and add the records to suspense.
- Run BJS job NE00008 – “Batch Mature” to mature the previously suspended transactions.

Validation (2):

- Attempt to add, and change an award type “V” record on the CASHPAY screen, and confirm that it is no longer permitted. Attempt to cancel an award type “V” record on the MASSCASH screen, and confirm that it is no longer permitted.

**VALIDATION PROCEDURES
SOFTWARE RELEASE 8.6.3
PERSONNEL & PAYROLL**

2. 20020116

A. Purpose:

- Create new detail, center total, and agency total section on Report 106 – Payroll Cash Awards Register for NOAC 987 Space Act Awards.

B. Test Procedure:

- Suspend, and mature NOAC 987 Space Act Awards for each employee type that is reported on Report 106 (SES, GS/GM, Wage, Other, Other than PT Perm, Summer, Temp, Intermittent, Non-Ceiling Coop, Non-Ceiling Other).
- Submit BJS job NA00106.

C. Validation:

- Verify that each NOAC 987 reported correctly in the new sections.

3. 20020117

A. Purpose:

- Create new detail line item for NOAC 987 Space Act Awards on Report 818 – Source of Funds Report. Place new line item, “Space Act Awards”, above “All Other Cash Awards”.

B. Test Procedure:

- Suspend, and mature NOAC 987 Space Act Awards for each employee type that is reported on Report 106 (SES, GS/GM, Wage, Other, Other than PT Perm, Summer, Temp, Intermittent, Non-Ceiling Coop, Non-Ceiling Other).
- Submit BJS job NA00818.

C. Validation:

- Verify that the NOAC 987’s are reported in the new detail line.

4. **20020127**

A. **Purpose:**

- Display inactive duty status employee on MASSAWD screen.

B. **Test Procedure:**

- Suspend, and mature NOAC 987 Space Act Awards for an inactive duty employee. Go to the MASSAWD screen.

C. **Validation:**

- Verify that the duty status for the inactive employee is displayed.

**NASA PERSONNEL PAYROLL SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 8.6.3
02/07/03**

The purpose of this release is to implement the changes allocated to software release 8.6.3 described below.

SOFTWARE RELEASE 8.6.3

RC 1620s IMPLEMENTED

CCR	Description
20020111	TechTracS ICB Awards to NPPS Interface
20020116	Report 106 – New Sections for NOAC 987
20020117	Report 818 – New Line Item for NOAC 987
20020127	MASSAWD Screen – Display Inactive Duty Status Employee

******* RECORD COUNT = 04**

APPENDIX D
INSTALLATION INSTRUCTIONS

**NASA PERSONNEL PAYROLL SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 8.6.3
02/07/03**

Introduction

Release Date – February 7, 2003

Release Inventory:

Dataset Names:

The following dataset is located on the transient storage DASD volumes under the following dataset name:

- MSMOV.NPPS.PROD.R863.R0203.SRC

Physical media:
VDD

In case of installation problems contact the NACC Technical Services Center
(Use following Key Words: SESAAS & NPPS):

Telephone: (256) 544-5516
E-Mail: billy.graham@msfc.nasa.gov
Fax: (256) 544-1836

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. Applicable sections are listed in the Installation Checklist.

- 1.0 Backup Existing Data
- 2.0 Copy Source/Object Code
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Install Data Glossary
- 6.0 Catalog Source Code
- 7.0 Post-Predict Data Conversion
- 8.0 JCL/BJIS/Xerox Modifications
- 9.0 Special Instructions
- 10.0 Installation Checklist

1.0 BACKUP EXISTING DATA

It is advisable to back up all NPPS files as a precautionary measure prior to installation of software release.

2.0 COPY SOURCE

2.1 Copy Source Modules

When installing software release 8.6.3, load the NPPS new and modified programs from dataset MSMOV.NPPS.PROD.R863.R0203.SRC using the Natural utility NATLOAD. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NPPS, replacing any existing programs of the same name. The source module counts included in this release are listed below:
Natural Source Modules by Type

Global Data Areas	1
Copycode	0
Maps	2
Helproutines	0
Subroutines	0
Subprograms	0
Local/Param Data Areas	0
Programs	11
Text	0
Process	0
Miscellaneous Objects	0
=====	
Total Programming Objects	14
Total Views Unloaded	0
Total Objects Read	14
Total Object Unloaded	14

2.2 List of Source Code Modifications

The following is a list of modules modified for the software release 8.6.3.

MODULE	Description
NAB106	Payroll Cash Awards Register
NAB106A	Payroll Cash Awards Register Pay Plan And Center Totals
NAB106AT	Payroll Cash Awards Register Agency Totals
NAB818	Source Of Funds Report For The Current Pay PRD
NAB818A	Source Of Funds Report
NAB818B	Source Of Funds Report For FTE YTD
NAB818C	Source Of Funds Report (Recap Totals For CPO)
NAB818G	NAB818 Global Data Area
NAM1750	Mass Award Map
NAM7110	Map Non-Personnel Action Cash Awards - CASHPAY
NAO1750	Mass Award Processing
NAO7110	Non-Personnel Action Cash Awards - CASHPAY

MODULE	Description
NAO7120	Mass Cash Awards Processing (MASSCASH)

RELEASE PROGRAMS (MOD) ==> 13

2.3 List of Source Code Additions

The following is a list of all modules that were created for the software release 8.6.3.

MODULE	Description
NEB9310	Load Peract-Int File

RELEASE PROGRAMS (NEW) ==> 01

2.4 List of Source Code Deletions

Not Applicable

3.0 PRE-PREDICT DATA CONVERSION

Not applicable

4.0 INSTALL PREDICT

4.1 Data Dictionary Changes

Not applicable

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	0
Standard Files	0
Conceptual Files	0
ADABAS Files and Views	0

4.1.2 Storage Considerations

The changes represented by this release should not affect storage requirements.

4.1.3 Physical File Changes

Not applicable

5.0 INSTALL DATA GLOSSARY

Not applicable

6.0 CATALOG SOURCE CODE

When installing software release 8.6.3, run a batch job to **catalog** (CATALL) **all modules** in the NPPS or other named library. **A Global Data Area change is included in this release.** The Batch standard parameters should be used for the compile.

After objects are compiled, the NPPS application will run under the On-line standard parameters.

7.0 POST-PREDICT DATA CONVERSION

Not applicable

8.0 JCL/BJS/Xerox MODIFICATIONS

JCL/BJS

JCL, Job, and Report records must be added for the new NETTAWD job. An example of the JCL (TSO and BJS) has been provided to the Operational Support team.

JCL, and Report records also changed for job NA00106, to add a new report section. An example of the JCL has been provided to the Operation Support team.

Job Directory Screen for NETTAWD

```
* REVIEW THE DATA THEN PRESS RETURN                                03-01-29
                                NPPS BATCH JOB SCHEDULER                11:58:26
NPO2337                          JOB DIRECTORY QUERY
6200 -----
JOB NUMBER:                      NETTAWD
RUN ORDER ----- CATEGORY CODE: 1          (1=PROCESS,2=REPORT,
                                           3=USER INITIATED)
           ----- CATEGORY SEQUENCE: 450
           ----- CATEGORY TYPE: 2          (1=PAY,2=PER,3=OTHER)
JOB TITLE:                      TECHTRACS TO PERACT-INT
AUTOMATIC SCHEDULE ---- RUN FREQUENCY: B  (0=ON REQUEST, D=DAILY, W=WEEKLY,
                                           B=BIWEEKLY, M=MONTHLY, Q=QUARTERLY,
                                           A=ANNUALLY)
           ---- NEXT RUN DATE: 00-00-00    (MM-DD-YY)
PARAMETER DATA REQUIRED:         N          (Y OR N)
-----
PF1= HELP          PF3= PREV SCREEN    PF5= MAIN MENU          PF12= END
```

```
* REVIEW THE LIST...THEN PRESS RETURN                                03-01-29
                                NPPS BATCH JOB MAINTENANCE            12:00:06
NPO2350                          QUERY JOB DIRECTORY - CONTINUED      3
6200 -----
JOB NUMBER: NETTAWD          OUTPUT TYPE: HARDCOPY
PRINT (OUTPUT) DEVICE ID: LOCAL          INPUT TAPE REQUIRED(Y/ ):
PRINTER NODE:
           PARAMETER      EDIT      MODULES
01  RESERVED    02          03          04          05
06              07          08          09          10
11              12          13          14          15
16              17          18          19          20
21              22          23          24          25
26              27          28          29          30
31              32          33          34          35
-----
```

Report Record for Report 374

```

* REVIEW THE REPORT ... THEN PRESS RETURN                                03-01-29
                                NPPS BATCH JOB MAINTENANCE                12:02:34
NPO2313                          REPORT DIRECTORY SINGLE LIST            1
6200 -----
REPORT NO.  374                    JOB NO.  NETTAWD
REPORT TITLE 374  TECHTRACS INTERFACE TO PERACT-INT FILE
HARDCOPY     SIMPLEX      PRINT     TOTAL     PRIVATE
FORM         OR          RECIP     PRINT     LABEL
NUMBER      DUPLEX      LIST      COPIES
STD         S          Y         1         Y
MESSAGE DELIVER TO 4485
----- PRINTER CONTROL FORMAT INSTRUCTIONS -----
-----
PF1= HELP          PF3= PREV SCREEN   PF5= MAIN MENU       PF12= END
  
```

JCL, and Report records must be changed for the NA00106 job.
 JCL For Job NA00106

```

//ALOC1 EXEC PGM=IEFBRI4
//DD1 DD DSN=MSIRM.NPPSDD.N10Z2100.NA00106.PRT01,
//      DISP=(MOD,DELETE),UNIT=SYSDA,SPACE=(TRK,0)
//DD2 DD DSN=MSIRM.NPPSDD.N10Z2100.NA00106.PRT02,
//      DISP=(MOD,DELETE),UNIT=SYSDA,SPACE=(TRK,0)
...
//NAT01 EXEC N10Z,DD='DD=+0'
//CMPRINT DD SYSOUT=*
//CMPRT01 DD DISP=(NEW,KEEP),DSN=MSIRM.NPPSDD.N10Z2100.NA00106.PRT01,
//      UNIT=SYSDA,
//      DCB=(LRECL=133,RECFM=FB,BLKSIZE=22876),SPACE=(TRK,(02,02),RLSE)
//CMPRT02 DD DISP=(NEW,KEEP),DSN=MSIRM.NPPSDD.N10Z2100.NA00106.PRT02,
//      UNIT=SYSDA,
//      DCB=(LRECL=133,RECFM=FB,BLKSIZE=22876),SPACE=(TRK,(02,02),RLSE)
...
//SYSPT02 EXEC PGM=IEBGENER
//SYSPRINT DD SYSOUT=*
//SYSUT2 DD SYSOUT=(A,NPS),DCB=(LRECL=133,RECFM=FBA,BLKSIZE=1330)
//* COPIES=CC?106
//SYSIN DD DUMMY
//SYSUT1 DD DSN=MSIRM.NPPSDD.N10Z2100.NA00106.PRT02,DISP=SHR,
//      UNIT=SYSDA
//*
  
```

Report Record for Report 106 New Section

```
* REVIEW THE REPORT ... THEN PRESS RETURN                                03-01-15
                                NPPS BATCH JOB MAINTENANCE                14:06:06
NPO2313                        REPORT DIRECTORY SINGLE LIST
XXXX -----
REPORT NO.  106A                JOB NO.  NA00106
REPORT TITLE 106  PAYROLL CASH AWARDS REGISTER - SPACE ACT
HARDCOPY     SIMPLEX           PRINT     TOTAL     PRIVATE
FORM         OR                RECIP    PRINT     LABEL
NUMBER      DUPLEX            LIST     COPIES
STD         S                  Y        1        Y
MESSAGE DELIVER TO 4485
----- PRINTER CONTROL FORMAT INSTRUCTIONS -----

-----
PF1=  HELP           PF3=  PREV SCREEN   PF5=  MAIN MENU       PF12=  END
```

JCL/TSO

TSO: NETTAWD (Load TechTracS Data to NPPS Peract Interface File

- A new TSO-submit set of JCL has been provided to the Operational Support Group.

Xerox

Not applicable

9.0 SPECIAL INSTRUCTIONS

9.1 Update NPPS Release Number

The following process will update the NPPS software numbers:

1. Execute program TOOLVRSN from the Natural Command line.
2. When installing software release 8.6.3, enter "8.6.3" for software version number.
3. Press ENTER; a confirmation message displays.
4. Press PF3 to exit the program.

10.0 INSTALLATION CHECKLIST

- 1.0 Backup Existing Data
- 2.0 Copy Source/Object Code
- 6.0 Catalog Source Code
- 8.0 JCL/BJIS/Xerox Modifications
- 9.0 Special Instructions