

# **VERSION DESCRIPTION DOCUMENT FOR THE NASA PERSONNEL/PAYROLL SYSTEM**

Software Release

8.35

PrISMS Contract

04/15/02



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 8.35**

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April 15, 2002



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FOR THE  
NASA PERSONNEL/PAYROLL SYSTEM  
SOFTWARE RELEASE 8.35**

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

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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 8.35

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 8.35, 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](mailto: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**

Not Applicable

### **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 8.35 are detailed in Appendix D, Installation Instructions.

##### **3.4.1 Release Dataset Names**

The datasets for Software Release 8.35 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
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
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 8.35  
PERSONNEL & PAYROLL**

1. **20020023**

- A. **Purpose:** Modify “Biweekly and Annual Limitations On Premium Pay” as described in the OPM Memorandum for Human Resources Directors (CPM 2002-01), dated January 28, 2002. This change provides that the sum of employee basic and premium pay shall not exceed the *greater of* the biweekly rate for
  - 1) GS-15, Step 10 (including any applicable special salary rate or locality pay) or
  - 2) Level V of the Executive Schedule.
- B. **Test Procedure:** Process employee time and attendance across a range of employee Pay Plans, Pay Tables, and Occupation Codes (including Law Enforcement Officers), entering “premium pay” (i.e., Overtime, Compensatory Time Earned, Sunday Differential, Night Differential for each.
- C. **Validation:** Verify the employee premium pay (per QREG) does not exceed the *greater of* the biweekly rate for
  - 1) GS-15, Step 10 (including any applicable special salary rate or locality pay) or
  - 2) Level V of the Executive Schedule.

2. **20010006**

- A. **Purpose:** Prevent personnel action “hang” under certain conditions.
- B. **Test Procedure:** Process a personnel action 542 for selected test employees.
- C. **Validation:** Confirm that the action adds to suspense successfully.

**NASA PERSONNEL PAYROLL SYSTEM  
RELEASE DESCRIPTION  
SOFTWARE RELEASE 8.35  
APRIL 2002**

The purpose of this release is to implement the changes allocated to software release 8.35 described below.

**SOFTWARE RELEASE 8.35**

RC 1620s IMPLEMENTED

<b>CCR</b>	<b>Description</b>
20010173	WebTADS Interface <b>(ER)</b>
20020023	Premium Pay Cut Back
20010006	Prevent Personnel Action "Hang" Under Certain Conditions

**\*\*\*\*\* RECORD COUNT = 03**

DR 1620s IMPLEMENTED

<b>CCR</b>	<b>Description</b>
20010073	SF50 Block 6c. <b>(ER)</b>

**\*\*\*\*\* RECORD COUNT = 01**

**APPENDIX D**  
**INSTALLATION INSTRUCTIONS**



**NASA PERSONNEL PAYROLL SYSTEM  
RELEASE DESCRIPTION  
SOFTWARE RELEASE 8.35  
April 2002**

**Introduction**

Release Date – April 15, 2002

Release Inventory:

Dataset Names:

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

- MSMOV.NPPS.PROD.R835.R0402.SRC
- MSMOV.NPPS.PROD.R835.R0402.GLS
- xxMOV.NPPS.PROD.R835.R0402.PRD

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 8.35, load the NPPS new and modified programs from dataset MSMOV.NPPS.PROD.R835.R0402.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	0
Copycode	0
Maps	2
Helproutines	0
Subroutines	0
Subprograms	2
Local/Param Data Areas	0
Programs	11
Text	0
Process	0
Miscellaneous Objects	0
=====	
Total Programming Objects	15
Total Views Unloaded	0
Total Objects Read	15
Total Object Unloaded	15

**2.2 List of Source Code Modifications**

<b>MODULE</b>	<b>NAME</b>
NAM2160	Update TMAX – map
NAM2160B	Read TMAX – map
NAO0011	Get Max OT Rate And B/W Pay
NAO0012	Get OT Rate And Max B/W Pay For LEO's Only
NAO2160	Update TMAX
NAO2160B	Read TMAX
NAO3130A	LEAVE ACCOUNTING
NAO3140A	GROSS PAY
NAO3140B	GROSS PAY
NEB364A	Tables Report
NEO3130	Payroll Master Update II
NEO1110L	Personnel Action Screen L Edit

RELEASE PROGRAMS (MOD) ==> 12

### 2.3 List of Source Code Additions

The following is a list of all modules that were created for the software release 8.35.

<b>MODULE</b>	<b>Description</b>
NAB5221	Interfaced T&A Hours Input to NPPS <b>(ER)</b>
NAB5223	WebTADS Interface of Employee Data <b>(ER)</b>
NAB5228	WebTADS Input into T&A File <b>(ER)</b>

RELEASE PROGRAMS (NEW) ==> 03

### 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

Use SYSDICBE to load the PREDICT modifications from the dataset xxMOV.NPPS.PROD.R835.R0402.PRD.

The following NPPS Data Definition Modules (DDMs) should be generated after the PREDICT load is complete.

NPS2-TMAX-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 Files	0
Conceptual Files	0
ADABAS Files and Views	18

### 4.1.2 Storage Considerations

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

### 4.1.3 Physical File Changes

**There are no physical file changes.**

The only Predict modification is to an NPS2-PAY-TABLES userview. (NPS2-TMAX-TABLE). The field LIFE-ROUND-UP was copied to the NPS2-TMAX-TABLE under the synonym TMAX-LEVEL-V-LIMIT-AMT. This technique is widely used in NPPS for PAY and PER tables userviews. In fact all fields on the NPS2-TMAX-TABLE are synonyms of existing NPS2-PAY-TABLES fields. The only necessary action is to regenerate the DDM for NPS2-TMAX-TABLE.

Since the 1.98 release of the NPS2-PAY-TABLES will not be released concurrently with 8.3.5, the NPPS Operational Support Team will be loading the TMAX-LEVEL-V-LIMIT-AMT value manually.

The LIFE-ROUND-UP field was copied into the NPS2-TMAX-TABLE userview, from NPS2-PAY-TABLES, using the following synonym:

NPS2-TMAX-TABLE		File # 230							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*-	-----	-----	*	*	--	*
	1	TMAX-LEVEL-V-LIMIT-AMT	N	10.2				EB	N

## 5.0 INSTALL DATA GLOSSARY

Load the ADABAS file NPS2-DATA-GLOSSARY (file #243, 4269 records) from the dataset MSMOV.NPPS.PROD.R835.R0402.GLS using the following ADABAS ADASAV utility commands.

```
//DDKARTE DD *  
ADASAV RESTORE OVERWRITE  
ADASAV FMOVE=243  
/*
```

## **6.0 CATALOG SOURCE CODE**

When installing software release 8.35, run a batch job to catalog (CATALL) all modules in the NPPS or other named library. It is not necessary to catalog the Global Data Area. 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**

The NPPS Operational Support Team must manually load the TMAX-LEVEL-V-LIMIT-AMT values.

## **8.0 JCL/BJS/Xerox MODIFICATIONS**

### **JCL/BJS**

Not applicable

### **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 8.35, enter "8.3.5" for software version number.
3. Press ENTER; a confirmation message displays.
4. Press PF3 to exit the program.

## **9.2 Applicable Tables Updates**

The following tables must be updated in support of the software changes in this release. See the applicable Tables Release VDD for a description.

1. TMAX 20020023

## **10.0 INSTALLATION CHECKLIST**

- 1.0 Back Up Existing Data
- 2.0 Copy Source/Object Code
- 4.0 Install Predict
- 5.0 Install Data Glossary
- 6.0 Catalog Source Code
- 7.0 Post-Predict Data Conversion
- 8.0 JCL/BJS/Xerox Modifications
- 9.0 Special Instructions