

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

Software Release

8.6.2

PrISMS Contract

Date: 02/06/03



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 8.6.2**

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HUNTSVILLE, ALABAMA

February 06, 2003

**VERSION DESCRIPTION DOCUMENT  
FOR THE  
NASA PERSONNEL/PAYROLL SYSTEM  
SOFTWARE RELEASE 8.6.2**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
GEORGE C. MARSHALL SPACE FLIGHT CENTER  
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February 06, 2003

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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 8.6.2

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 8.6.2, 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**

NASA Personnel Payroll System (NPPS)/Identity Management System (IDMS) Interface Definition Agreement (New document)

NASA Personnel and Payroll System (NPPS) / Travel Manager Interface Definition Agreement (Updated by Travel Manager)

NASA Personnel Payroll System (NPPS)/X.500 Interface Definition Agreement (Updated 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 8.6.2 are detailed in Appendix D, Installation Instructions.

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

The datasets for Software Release 8.6.2 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
IDMS	Identity Management System
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
TM	Travel Manager
UUPIC	Uniform Universal Person Identification Code
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 8.6.2 PERSONNEL & PAYROLL

## 1. 20020069

### A. Purpose:

- Create new field in NPPS: NPS2-PER-MASTER.PER-UUPIC
- Create a new interface NPPS to Identity Management System (IDMS) and IDMS to NPPS.
  - Send a file of NPPS active employees who have no Uniform Universal Person Identification Code (UUPIC) on the Personnel Master File. The interface file will contain SSN, birthdate and an empty nine-byte field (for UUPIC).
  - Receive a file from IDMS containing SSN, birthdate and UUPIC (valid or blank). The valid UUPIC will be used to update the employee's NPS2-PER-MASTER.PER-UUPIC in all centers where the employee's SSN is found. A report of ACTIVE EMPLOYEES WITH BLANK UUPICS will be produced for corrective action.
- Modify the X.500 interface so that the UUPIC is sent in the previously unused nine-byte field at the beginning of the file.
- Modify the Travel interface so that the UUPIC is sent in field #76, delimited by double-quotes.

### B. Test Procedure:

- Job names reflect those of the SESAAS testing environment and may be different in the production environment.
- Submit TSO jobs (NEU0010/NEU0020) and BJS jobs (CEU0010/CEU0020) to create/read files for transfer between NPPS and IDMS.
- Submit TSO job RUN7133X to create file of X.500 Data with UUPICs.
- Submit TSO job RUN7133T to format file for Travel Manager to include UUPIC.

### C. Validation:

- Verify that UUPICs are updated correctly on NPS2-PER-MASTER, and that the report NEU0010 ACTIVE EMPLOYEES WITH BLANK UUPICS correctly lists UUPIC errors.
- Verify that the X.500 file has UUPICs stored correctly.
- Verify that the Travel Manager file has UUPICs stored correctly.

**NASA PERSONNEL PAYROLL SYSTEM  
RELEASE DESCRIPTION  
SOFTWARE RELEASE 8.6.2  
February 06, 2003**

The purpose of this release is to implement the changes allocated to software release 8.6.2 described below.

**SOFTWARE RELEASE 8.6.2**

RC 1620s IMPLEMENTED

<b>CCR</b>	<b>Description</b>
20020069	Uniform Universal Person Identification Code (UUPIC)

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

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

**NASA PERSONNEL PAYROLL SYSTEM  
RELEASE DESCRIPTION  
SOFTWARE RELEASE 8.6.2  
February 06, 2003**

**Introduction**

Release Date – February 06, 2003

Release Inventory:

Dataset Names:

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

- MSMOV.NPPS.PROD.R862.R0203.SRC
- MSMOV.NPPS.PROD.R862.R0203.GLS
- xxMOV.NPPS.PROD.R862.R0203.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 8.6.2, load the NPPS new and modified programs from dataset MSMOV.NPPS.PROD.R862.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	0
Copycode	0
Maps	0
Help routines	0
Subroutines	0
Subprograms	0
Local/Param Data Areas	0
Programs	4
Text	0
Process	0
Miscellaneous Objects	0
=====	
Total Programming Objects	4
Total Views Unloaded	0
Total Objects Read	4
Total Object Unloaded	4

### 2.2 List of Source Code Modifications

The following is a list of all modules that were modified for the software release 8.6.2.

MODULE	Description
NAB7133T	Extract Data for IFM Travel File
NAB7133X	Extract Data for X.500 File

RELEASE PROGRAMS (MOD) ==> 02

### 2.3 List of Source Code Additions

The following is a list of all modules that were created for the software release 8.6.2.

<b>MODULE</b>	<b>Description</b>
NEU0010	Create File For UUPIC Assignment (Send to IDMS)
NEU0020	Update PER-UUPIC from IDMS file

RELEASE PROGRAMS (NEW) ==> 02

### 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

This release includes the enhancements for version 8.6.2. Details for changes in this release can be found under paragraph 4.1.3, Physical File Changes, or by performing Predict reporting on the keyword NPPS-8.6.2.

Use SYSDICBE to load the PREDICT modifications from the dataset xxMOV.NPPS.PROD.R862.R0203.PRD.

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

NPS2-PER-MASTER

### 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	2

### 4.1.2 Storage Considerations

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

### 4.1.3 Physical File Changes

Use the ADABAS Utility commands listed below to build the JCL for the file changes. Cut and paste the ADADBS control statements directly into the TSO ISPF editor. Call RICK BISHOP (256)544-5352 with any questions or problems.

Add the following fields:

NPS2-PER-MASTER	File # 234							
Ty L Field ID	F Length	Occ	D	U	DB	S		
*- - - - -	*- - - - -	- - - - -	*	*	--	*		
1 PER-UUPIC	A 9				EU	N		

Using the following commands:

```
//DDKARTE DD *  
ADADBS NEWFIELD FILE=234  
ADADBS FNDEF='01,EU,9,A,NU'  
/*
```

## 5.0 INSTALL DATA GLOSSARY

Load the ADABAS file NPS2-DATA-GLOSSARY (file #243, 4306 records) from the dataset MSMOV.NPPS.PROD.R862.R0203.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 8.6.2, 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**

Not applicable

## 8.0 JCL/BJS/Xerox MODIFICATIONS

### JCL/BJS

JCL, Job, and Report records must be added for the new CEU0010 and CEU0020 jobs.

An example of the JCL (TSO and BJS) has been provided to the Operational Support team.

### Job Directory Screens

#### Job CEU0010

```

                                NPPS BATCH JOB MAINTENANCE
NPO2347                          UPDATE JOB DIRECTORY                          Screen 1
NASA -----

FUNCTION: C      JOB NUMBER: CEU0010

RUN ORDER ----- CATEGORY CODE:      1          (1=PROCESS,2=REPORT,
                                           3=USER INITIATED)
           ----- CATEGORY SEQUENCE:  61___
           ----- CATEGORY TYPE:      2          (1=PAY,2=PER,3=OTHER)
JOB TITLE:      NPPS TO IDMS INTERFACE_____

AUTOMATIC SCHEDULE ---- RUN FREQUENCY:  0  (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)
-----
FUNCTIONS:  A= ADD   C= CHANGE   D= DELETE
PF1= HELP   PF3= PREV SCREEN  PF5= MAIN MENU   PF12= END
```

NPPS BATCH JOB MAINTENANCE

NPO2347 UPDATE JOB DIRECTORY Screen 2

NASA -----

JOB NUMBER: CEU0010 OUTPUT TYPE: H

(H=HARDCOPY, T=TAPE, S=SPECIAL, B=S & T, K=H & T)

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 _____

-----

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

### Report Record for Report 10

NPPS BATCH JOB MAINTENANCE

NPO2319 UPDATE BJM REPORT LIST

NASA -----

FUNCTION C REPORT NO. 10\_\_\_\_\_ JOB NO. CEU0010\_

REPORT TITLE BLANK UUPIC REPORT\_\_\_\_\_

HARDCOPY	SIMPLEX	PRINT	TOTAL	PRIVATE
FORM	OR	RECIP	PRINT	LABEL
NUMBER	DUPLEX	LIST	COPIES	
STD__	S	Y	1_	Y

MESSAGE \_\_\_\_\_

----- PRINTER CONTROL FORMAT INSTRUCTIONS -----

-----

FUNCTIONS: A= ADD C= CHANGE D= DELETE

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

Job CEU0020

```

                                NPPS BATCH JOB MAINTENANCE
NPO2347                        UPDATE JOB DIRECTORY                        Screen 1
NASA -----

FUNCTION: C      JOB NUMBER: CEU0020

RUN ORDER ----- CATEGORY CODE:      1          (1=PROCESS,2=REPORT,
                                           3=USER INITIATED)
           ----- CATEGORY SEQUENCE:    62__
           ----- CATEGORY TYPE:       2          (1=PAY,2=PER,3=OTHER)
JOB TITLE:                                UUPIC PERSONNEL UPDATE

AUTOMATIC SCHEDULE ----- RUN FREQUENCY:  0  (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)
-----

FUNCTIONS:  A= ADD   C= CHANGE   D= DELETE
PF1= HELP      PF3= PREV SCREEN  PF5= MAIN MENU      PF12= END
    
```

```

                                NPPS BATCH JOB MAINTENANCE
NPO2347                        UPDATE JOB DIRECTORY                        Screen 2
NASA -----

JOB NUMBER:  CEU0020      OUTPUT TYPE: H
                               (H=HARDCOPY, T=TAPE, S=SPECIAL, B=S & T, K=H & T)

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  _____
-----

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

## Report Record for Report 20

NPPS BATCH JOB MAINTENANCE					
UPDATE BJM REPORT LIST					
NPO2319					
NASA -----					
FUNCTION C	REPORT NO. 20	_____	JOB NO. CEU0020	_	
REPORT TITLE	UUPIC DATA ERRORS _____				
HARDCOPY	SIMPLEX	PRINT	TOTAL	PRIVATE	
FORM	OR	RECIP	PRINT	LABEL	
NUMBER	DUPLEX	LIST	COPIES		
STD	S	Y	1	Y	
MESSAGE _____					
----- PRINTER CONTROL FORMAT INSTRUCTIONS -----					
-----					
FUNCTIONS: A= ADD C= CHANGE D= DELETE					
PF1= HELP		PF3= PREV SCREEN		PF5= MAIN MENU PF12= END	

### JCL/TSO

#### TSO: NEU0010 (Create File For UUPIC Assignment (Send to IDMS))

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

#### TSO: NEU0020 (Update NPPS-PER-MASTER.PER-UUPIC from IDMS file)

- A new TSO-submittable 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 8.6.2, enter "8.6.2" 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
- 4.0 Install Predict
- 5.0 Install Data Glossary
- 6.0 Catalog Source Code
- 8.0 JCL/BJIS/Xerox Modifications
- 9.0 Special Instructions