

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

Software Release

11.0.1

UNITeS Contract

Date: September 27, 2004



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 11.0.1**

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GEORGE C. MARSHALL SPACE FLIGHT CENTER  
HUNTSVILLE, ALABAMA

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FOR THE  
NASA PERSONNEL/PAYROLL SYSTEM  
SOFTWARE RELEASE 11.0.1**

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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 11.0.1

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 11.0.1, 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) 544-1485

E-Mail: Rhett.Leak@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**

The following document will be affected by this release:

NPPS System/Software Requirements Specification (SRS)

The modified pages of this document will be distributed under separate cover.

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

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

The datasets for Software Release 11.0.1 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.

4. **OTHER / KNOWN PROBLEMS**

No known problems.

**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 Control Document
IRM	Information Resource 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
UNITES	Unified NASA Information Technology Services
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 11.0.1  
PERSONNEL & PAYROLL**

1. **20040081**

A. **Purpose:** Modify NPPS to create a process for Payroll history file data cleanup/corrections prior to submission of retirement cards

B. **Test Procedure:**

- 1) Select an active employee, duty status D.
- 2) Ensure access has been granted to use the RETIRHST command.
- 3) View the QHISTPP RETIRADJ data for the employee for pay ending date 20040807 and pay period 17.
- 4) Using RETIRHST and the 'C' (Change) function, enter adjustment amounts on the three screens.
- 5) Run Report 201, Transaction Report.

C. **Validation:**

- 1) Validate amounts on the RETIRHST and RETIRADJ screens match.
- 2) Validate amounts on RETIRHST match the amounts on RETIRADJ when RETIRADJ is accessed from QHISTPP
- 3) Validate the record of change information provided in Report 201.

2. **20040082**

A. **Purpose:** Modify the retirement card process to report employee information from the effective date of the most recent processed 100 series nature of action code.

B. **Test Procedure:**

- 1) Select an active employee that has more than one stay at NASA (i.e. worked at NASA, left NASA, returned to NASA).
- 2) Run retirement card.

C. **Validation:**

- 1) Verify that Personnel and Payroll History data prior to the effective date of the employee's most recent stay with NASA is not shown on the retirement card.

**NASA PERSONNEL PAYROLL SYSTEM  
RELEASE DESCRIPTION  
SOFTWARE RELEASE 11.0.1**

The purpose of this release is to implement the changes allocated to software release 11.0.1 described below.

**SOFTWARE RELEASE 11.0.1**

RC 1620s IMPLEMENTED

<b>CCR</b>	<b>Description</b>
20040081	Tool to Correct Payroll History RETIRADJ Data
20040082	Retirement Card Software Changes

**\*\*\*\*\* RECORD COUNT = 02**

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

**NASA PERSONNEL PAYROLL SYSTEM  
RELEASE DESCRIPTION  
SOFTWARE RELEASE 11.0.1**

**Introduction**

Release Date – September 27, 2004

Release Inventory:

Dataset Names:

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

- **MSMOV.NPPS.PROD.R1101.R0904.SRC**

Physical media:  
VDD

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

Telephone: (256) 544-1485  
E-Mail: Rhett.Leak@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/BJX/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 11.0.1, load the NPPS new and modified programs from dataset MSMOV.NPPS.PROD.R1101.R0904.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 the release are listed below:

## Natural Source Modules by Type

Global Data Areas	0
Copycode	0
Maps	14
Helproutines	0
Subroutines	0
Subprograms	2
Local/Param Data Areas	0
Programs	18
Text	0
Process	0
Miscellaneous Objects	0
=====	
Total Programming Objects	34
Total Views Unloaded	0
Total Objects Read	0
Total Object Unloaded	0

## 2.2 List of Source Code Modifications

The following is a list of all modules that were changed for the software release 11.0.1

<b>MODULE</b>	<b>Description</b>
NAB513	CSRS Retirement Card
NAB514	FERS Retirement Card
NAO1590	QHISTPP Pay Period History Query
NAB201	Transaction Report
RETROA	Retro Tool (Rerelease)
RETROM01	Retro Tool (Rerelease)
RETROM02	Retro Tool (Rerelease)
RETROM03	Retro Tool (Rerelease)
RETROM04	Retro Tool (Rerelease)
RETROM05	Retro Tool (Rerelease)
RETROM06	Retro Tool (Rerelease)
RETROM07	Retro Tool (Rerelease)
RETROM08	Retro Tool (Rerelease)
RETROM09	Retro Tool (Rerelease)
RETROM10	Retro Tool (Rerelease)
RETROM11	Retro Tool (Rerelease)
RETROTSP	Retro Tool (Rerelease)
RETRO001	Retro Tool (Rerelease)
RETRO002	Retro Tool (Rerelease)
RETRO003	Retro Tool (Rerelease)

<b>MODULE</b>	<b>Description</b>
RETRO004	Retro Tool (Rerelease)
RETRO005	Retro Tool (Rerelease)
RETRO006	Retro Tool (Rerelease)
RETRO007	Retro Tool (Rerelease)
RETRO008	Retro Tool (Rerelease)
RETRO010	Retro Tool (Rerelease)
RETRO011	Retro Tool (Rerelease)
RETRO012	Retro Tool (Rerelease)
RETRO013	Retro Tool (Rerelease)

RELEASE PROGRAMS (MOD) ==> 29

### **2.3 List of Source Code Additions**

The following is a list of all modules that were created for the software release 11.0.

<b>MODULE</b>	<b>Description</b>
NAO1445	RETIRHST Driver Program
NAO1445A	RETIRHST Update Subprogram
NAM1445A	RETIRHST Screen 1
NAM1445B	RETIRHST Screen 2
NAM1445C	RETIRHST Screen 3

RELEASE PROGRAMS (NEW) ==> 5

### **2.4 List of Source Code Deletions**

None

RELEASE PROGRAMS (DELETED) ==> 0

### **3.0 PRE-PREDICT DATA CONVERSION**

Not applicable

### **4.0 INSTALL PREDICT**

Not applicable

## **5.0 INSTALL DATA GLOSSARY**

Not applicable

## **6.0 CATALOG SOURCE CODE**

When installing software release 11.0.1, 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/BJX/Xerox MODIFICATIONS**

### **JCL/BJX**

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 11.0.1, enter "11.0.1" for software version number.
3. Press ENTER; a confirmation message displays.
4. Press PF3 to exit the program.

### **9.2 Add New Command Table Entry**

A new entry must be added for the RETIRHST screen.

Using CMDTBL, add the following entry:

TEMPLATE:	RETIRHST
SUBSYSTEM:	PA
PROCESSOR:	NAO1443
DESCRIPTION:	RETIREMENT HIST UPD
INDEX:	will be automatically assigned
COMMAND LINE PROCESSING:	Y
LOCAL TABLE:	blank

### **9.3 Update Security for New Command Table Entry**

The following process will update the security profiles for the new RETIRHST command, and should be run after the RETIRHST command is added to the command table via CMDTBL.

1. Execute program NPO1400 from the Natural Editor.

### **9.4 Update HELP for New Screen**

Help File. Help can be added for the RETIRHST screen. Refer to the instructions in section 4.3.1.4 (Help Maintenance) of the User Operations Guide (UOG).

## **10.0 INSTALLATION CHECKLIST**

- 1.0 Back Up Existing Data
- 2.0 Copy Source
- 6.0 Catalog Source Code
- 9.0 Special Instructions