

VERSION DESCRIPTION DOCUMENT FOR THE NASA PERSONNEL/PAYROLL SYSTEM

Software Release

10.0.2

UNITeS Contract

Date: May 21, 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 10.0.2**

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HUNTSVILLE, ALABAMA

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NASA PERSONNEL/PAYROLL SYSTEM
SOFTWARE RELEASE 10.0.2**

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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 **10.0.2**

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 **10.0.2**, 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

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)
Incident Reporting Information System (IRIS) Interface Definition
Agreement (IDA)

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 10.0.2 are detailed in Appendix D, Installation Instructions.

3.4.1 Release Dataset Names

The datasets for Software Release 10.0.2 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.

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 Resources Management
IRIS	Incident Reporting Information System
JCL	Job Control Language
L&E	Leave and Earnings Statement
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
WebTADS	Web-based Time and Attendance System

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 10.0.2 PERSONNEL & PAYROLL

1. 20040015

- A. **Purpose:** Create an Incident Reporting System Interface as described in the NPPS/e-Payroll Interface Definition Agreement (IDA).
- B. **Test Procedure:**
 - 1) Execute the interface batch job.
 - 2) Review in IRIS extract file.
- C. **Validation:** Verify the extract file includes the appropriate data in the format specified in the ICD.

2. 20040019

- A. **Purpose:** Modify Personnel/Payroll processing for SES employees to:
 - 1) Change Pay Plan “ES” employees from salary/step to pay range;
 - 2) Eliminate Locality Pay for Pay Plan “ES.”

Note: This CCR also requires the implementation of changes to core tables released in Tables Version 3.0.1. The affected tables are TSALRANG, TSALSTEP, TLOA, TCOMENT, TOPMMMSG, and TPAYTBL as described in the applicable Version Description Document.

- B. **Test Procedure:**
 - 1) Execute the tool, NPTL0069, to identify SES employees with Locality Pay and/or Grade and Step.
 - 2) Execute the tool, NPTL0070, to blank out the Locality Adjustment Indicator for SES employees.
 - 3) Execute the tool, NPTL0071, to delete all TLOA entries for Pay Plan ES.
 - 4) Suspend and mature Personnel Actions for SES employees.
 - 5) Process a regular payroll.
- C. **Validation:**
 - 1) Verify SES employees no longer have Locality Pay.
 - 2) Verify accuracy of pay calculations.

3. **20040049**
 - A. **Purpose:** Modify Louisiana State Tax calculations.
 - B. **Test Procedure:** Process a payroll cycle.
 - C. **Validation:** Verify tax calculations for Louisiana meet user specifications as defined in the updated SRS.
4. **20040051**
 - A. **Purpose:** Modify the WebTADS interface to include “Hazardous Hours.”
 - B. **Test Procedure:**
 - 1) Execute the incoming interface batch job.
 - 2) Execute Time & Attendance Update (job 3).
 - 3) Execute the outgoing interface.
 - C. **Validation:** Verify the datasets include “Hazardous Hours” as appropriate in the format specified in the NPPS/WebTADS Interface Definition Agreement (IDA).
5. **20040058**
 - A. **Purpose:** Modify Utah State Tax calculations.
 - B. **Test Procedure:** Process a payroll cycle.
 - C. **Validation:** Verify tax calculations for Utah meet user specifications as defined in the updated SRS.

**NASA PERSONNEL PAYROLL SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 10.0.2**

The purpose of this release is to implement the changes allocated to software release 10.0.2 described below.

SOFTWARE RELEASE 10.0.2

RC 1620s IMPLEMENTED

CCR	Description
20040015	NPPS – IRIS Interface
20040019	SES Changes
20040051	WebTADS New Hazardous Hours Codes
20040049	Louisiana State Tax Changes
20040058	Utah State Tax Changes
20040054	Correct Appt Authority (ER)
20040050	Batch Normals - MO State Head of Household Change (ER)

***** RECORD COUNT = 06

APPENDIX D
INSTALLATION INSTRUCTIONS

**NASA PERSONNEL PAYROLL SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 10.0.2**

Introduction

Release Date – May 21, 2004

Release Inventory:

Dataset Names:

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

- MSMOV.NPPS.PROD.R1002.R0504.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/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 10.0.2, load the NPPS new and modified programs from dataset MSMOV.NPPS.PROD.R1002.R0504.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
Helproutines	0
Subroutines	0
Subprograms	0
Local/Param Data Areas	0
Programs	24
Text	0
Process	0
Miscellaneous Objects	0
=====	
Total Programming Objects	24
Total Views Unloaded	0
Total Objects Read	24
Total Object Unloaded	24

2.2 List of Source Code Modifications

The following is a list of all modules that were changed for software release 10.0.2.

MODULE	Description
NAB5221	Interfaced T&A HRS for Input to NPPS
NAB6080B	Normals Recomputation (State Taxes)
NAO9120O	Calculate State Tax
NAO9120P	Calculate State Tax
NEB370A	Relational Edit Driver
NEO1910	Relational Edit Driver
NEO1918	Relational Edit Module
NEO1919	Relational Edit Module
NEO1950	Relational Edit Module
NEO1951	Relational Edit Module
NEO1952	Relational Edit Module
NEO1953	Relational Edit Module
NEO1961	Relational Edit Module
NEO3125	Payroll Master Update I
NEO3270	Online TX Mature Store
NPTLCAA1(ER)	Correct Appt Authority
NPTLCAA2 (ER)	Correct Appt Authority
NPTLCAA3 (ER)	Correct Appt Authority

RELEASE PROGRAMS (CHANGED) ==> 18

2.3 List of Source Code Additions

The following is a list of all modules that were created for software release 10.0.2.

MODULE	Description
NEB9800	Create IRIS Extract File
NEB9801	Create IRIS Headcount Exposure Hours File / Report
NEB9802	Create IRIS Organization File
NPTL0069	Locate SES Emp with Loc Pay or Step
NPTL0070	Reset ES Loc Adj Indicator
NPTL0071	TLOA File Update for ES Records

RELEASE PROGRAMS (NEW) ==> 06

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

Not applicable

4.1.2 Storage Considerations

Not applicable

4.1.3 Physical File Changes

Not applicable

5.0 INSTALL DATA GLOSSARY

Not applicable

6.0 CATALOG SOURCE CODE

When installing software release 10.0.2, 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/BJX/Xerox MODIFICATIONS

JCL/BJX

Tool: NPTL0069 – TSO ONLY JCL (Locate SES Emp with Loc Pay or Step)

- New JCL Stream
- Copy given to CPO
- TSO run only

Tool: NPTL0070 – TSO ONLY JCL (Reset ES Loc Adj Indicator)

- New JCL Stream
- Copy given to CPO
- TSO run only

Tool: NPTL0071 – TSO ONLY JCL (TLOA File Update for ES Records)

- New JCL Stream
- Copy given to CPO
- TSO run only

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 10.0.2, enter "10.0.2" for software version number.
3. Press ENTER; a confirmation message displays.
4. Press PF3 to exit the program.

10.0 INSTALLATION CHECKLIST

- 1.0 Back Up Existing Data
- 2.0 Copy Source
- 6.0 Catalog Source Code
- 8.0 JCL/BJX/Xerox Modifications
- 9.0 Special Instructions