

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

Software Release

8.1.1

PrISMS Contract

05/15/01



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 8.1.1**

Prepared by

	<u>05/15/01</u>
Desiree Gaiser	Date
Technical Lead	

Reviewed by

	<u>05/15/01</u>
Billy Graham	Date
Agencywide IRM, HR	

	<u>05/15/01</u>
Jim Cofer	Date
Configuration Management	

	<u>05/15/01</u>
Hector Garcia	Date
Agencywide IRM	

	<u>05/15/01</u>
Richard Bishop	Date
DBA	

Prepared by

Computer Sciences Corporation, Contract NAS8-60000

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

May 15, 2001



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FOR THE  
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SOFTWARE RELEASE 8.1.1**

Approved by

05/15/01

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Sheila Fogle

Date

Consolidation Center Project Manager

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

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## TABLE OF CONTENTS

<b>Section</b>	<b>Page</b>
1. INTRODUCTION.....	1 - 1
1.1 IDENTIFICATION OF THE RELEASE .....	1 - 1
1.2 PURPOSE OF THE RELEASE .....	1 - 1
1.3 SCOPE OF THE RELEASE .....	1 - 1
1.4 CONTACT POINTS.....	1 - 2
2. FUNCTIONAL INFORMATION .....	2 - 1
2.1 FUNCTIONAL CHANGES .....	2 - 1
2.2 FUNCTIONAL INTERFACES .....	2 - 1
2.3 CRITICAL ISSUES .....	2 - 1
2.4 AFFECTED DOCUMENTS.....	2 - 1
2.5 APPLICATION SYSTEM ADMINISTRATION.....	2 - 1
3. TECHNICAL INFORMATION.....	3 - 1
3.1 TECHNICAL SYSTEM INTERFACES.....	3 - 1
3.2 DATA DICTIONARY CHANGES .....	3 - 1
3.3 SOFTWARE OBJECT CHANGES .....	3 - 1
3.4 DATABASE ADMINISTRATION.....	3 - 1
3.4.1 RELEASE DATASET NAMES .....	3 - 1
3.4.2 INVENTORY OF OBJECTS.....	3 - 1
3.4.3 STORAGE CONSIDERATIONS .....	3 - 1
3.4.4 INSTALLATION PROCEDURES .....	3 - 1
3.5 OPERATIONAL PREPARATION .....	3 - 2

## APPENDICES

<b>Appendix</b>		<b>Page</b>
A	ABBREVIATIONS AND ACRONYMS .....	A - 1
B	GLOSSARY .....	B - 1
C	FUNCTIONAL CHANGE VALIDATION PROCEDURES .....	C - 1
D	INSTALLATION INSTRUCTIONS.....	D - 1

## **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 8.1.1

Release Effective Date – June 10, 2001

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 8.1.1, 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) 544-5516

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**

Not applicable

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

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

The datasets for Software Release 8.1.1 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.

**APPENDIX A**  
**ABBREVIATIONS AND ACRONYMS**



## ABBREVIATIONS AND ACRONYMS

ADP	Automated Data Processing
DBA	Database Administrator
HR	Human Resources
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.





# **FUNCTIONAL CHANGE VALIDATION PROCEDURES**

# VALIDATION PROCEDURES SOFTWARE RELEASE 8.1.1 PERSONNEL & PAYROLL

## 1. 20000104

- A. **Purpose:** The purpose of this test is to ensure that modifications to Award processing, the Full Tables Report, and to the Personnel Mature process to accommodate the SAG upgrade to Version 3.1.8 does not adversely affect the NPPS processing.
- B. **Test Procedure:**
- 1) Select 3 employees for testing, one subject to Alabama (AL) state tax, another subject to California (CA) state tax, and a third subject to New York (NY) state tax *and* New York city tax.
  - 2) Process a cash award for these test employees using a different type NOAC (84X) for each.
  - 3) Mature the suspended personnel actions.
  - 4) Schedule and run Report NE00364, Full Tables report, for table RREQFLD.
- C. **Validation:**
- 1) Verify that the 3 NOACs processed mature without error and that the employees receive the awards.
  - 2) Verify state and city taxes are deducted properly.
  - 3) Verify that the report 364, full tables, runs to completion and displays the required fields.

**NASA PERSONNEL PAYROLL SYSTEM  
RELEASE DESCRIPTION  
SOFTWARE RELEASE 8.1.1  
MAY 2001**

The purpose of this release is to implement the changes allocated to software release 8.1.1 described below.

**SOFTWARE RELEASE 8.1.1**

RC 1620s IMPLEMENTED

20000104	Software AGA Products Upgrade
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**APPENDIX D**  
**INSTALLATION INSTRUCTIONS**



**NASA PERSONNEL PAYROLL SYSTEM  
RELEASE DESCRIPTION  
SOFTWARE RELEASE 8.1.1  
May 2001**

## **Introduction**

Release Date – June 10, 2001

Release Inventory:

Dataset Names:

The following datasets are located on the transient storage DASD volumes under the following data sets names:

- MSMOV.NPPS.PROD.R811.R0501.SRC
- MSMOV.NPPS.PROD.R811.R0501.DOC

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/OBJECT CODE

### 2.1 Copy Source Modules

When installing software release 8.1.1, load the NPPS new and modified programs from dataset MSMOV.NPPS.PROD.R811.R0501.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
Local/Param Data Areas	0
Maps	0
Helproutines	0
Subroutines	1
Subprograms	0
Programs	4
Copycode	0
Text	0
Process	0
Miscellaneous Objects	0
=====	
Total Programming Objects	5
Total Views Unloaded	0
Total Objects Read	5
Total Object Unloaded	5

## 2.2 List of Source Code Modifications

The following is a list of all modules that were modified for the software release 8.1.1.

Programs	Description of programs
NAO9120O	Calculate Normals for State Tax
NAO9120P	Calculate Normals for State Tax
NAO9120R	Calculation Normals for City Tax
NEB364B	Full Tables Report
NEO3140	Personnel Mature Award Processing

RELEASE PROGRAMS (MOD) ==> 05

## 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

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 CODES

When installing software release 8.1.1, 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

Changes must be made to any incomplete DCB statements as shown in the following example. Incomplete DCB statements will no longer work under the new product upgrades.

1. //CMWKF30 DD DUMMY, **DCB=BLKSIZE=80**

Change to:

//CMWKF30 DD DUMMY, **DCB=(LRECL=80,BLKSIZE=80,RECFM=FB)**

2. Work file 8, when defined as DSN=&&WORK8 (used to pass parameter information), must be defined to at least LRECL=600.
3. Print files (CMPRTXX) will be changed from FB to FBA to avoid the printing of the control characters.

### BJX

Not Applicable

### Xerox

Not applicable

## **9.0 SPECIAL INSTRUCTIONS**

### **9.1 Update NPPS Release Number**

The following processes will update the NPPS software numbers:

1. Execute program TOOLVRSN from the Natural Command line.
2. When installing software release 8.1.1, enter "8.1.1" 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/Object Code
- 6.0 Catalog Source Code
- 8.0 JCL/BJS/Xerox Modifications
- 9.0 Special Instructions