

VERSION DESCRIPTION DOCUMENT FOR THE NASA PERSONNEL/PAYROLL SYSTEM

Software Release

8.24

PrISMS Contract

12/04/01



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 8.24**

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GEORGE C. MARSHALL SPACE FLIGHT CENTER
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**VERSION DESCRIPTION DOCUMENT
FOR THE
NASA PERSONNEL/PAYROLL SYSTEM
SOFTWARE RELEASE 8.24**

Approved by

12/04/01

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

TABLE OF CONTENTS

| Section | Page |
|--------------------------------------------|-------------|
| 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

| Appendix | | Page |
|-----------------|-----------------------------------------------|-------------|
| 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 8.24

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 8.24, 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 documents will be affected by this release:

NPPS System/Software Requirements Specification (SRS)

The modified pages of these documents 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 8.24 are detailed in Appendix D, Installation Instructions.

3.4.1 Release Dataset Names

The datasets for Software Release 8.24 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 |
| EEICD | Employee Express Interface Change Document |
| GDG | Generation Data Group |
| HR | Human Resources |
| ICD | Interface Change Document |
| IRM | Information Resources Management |
| 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 |
| NOAC | Nature Of Action Code |
| NPPS | NASA Personnel/Payroll System |
| PCA | Physician's Comparability Allowance |
| RC | Requirements Change |
| SESAAS | Sustaining Engineering Support for Agencywide Administrative Systems |
| SRS | System/Software Requirements Specification |
| UOG | User Operations Guide |
| 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 8.24 PERSONNEL & PAYROLL

20010025

Purpose: To create an interface between NPPS and IFM Travel Manager. Note that this requires the execution of two procedures that are external to NPPS processing.

1. **Test Procedure 1:**

Run the NPPS to X-500 interface batch job (NAB7133X) for multiple installations. This job will generate an output dataset of specified NPPS data (names) and X-500 data such as email addresses and phone numbers.

2. **Validation 1:**

A. Verify the output dataset meets file layout requirements specified in the NPPS SRS, Appendix N, NPPS to X-500 Interface.

B. Verify the output dataset includes NPPS valid data for Center and Employee Name as indicated by the Personnel Master (PERMAST).

3. **Test Procedure 2:**

Run the NPPS to Travel interface batch job (NAB7133T) for the same multiple installations. Note that this job uses output from NAB7133X (above) as input. It corrects the file for duplicate data and generates a new dataset.

4. **Validation 2:**

Verify the output dataset meets file layout requirements specified in the NPPS SRS, Appendix N, NPPS to Travel Manager Interface and the NPPS / Travel Manager Interface Definition Agreement (IDA).

**NASA PERSONNEL PAYROLL SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 8.24**

The purpose of this release is to implement the changes allocated to software release 8.24 described below.

SOFTWARE RELEASE 8.24

RC 1620s IMPLEMENTED

| CCR | Description |
|------------|-------------------------|
| 20010025 | NPPS / Travel Interface |

******* RECORD COUNT = 1**

APPENDIX D
INSTALLATION INSTRUCTIONS

NASA PERSONNEL PAYROLL SYSTEM RELEASE DESCRIPTION SOFTWARE RELEASE 8.24

Introduction

Release Date – December 04, 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.R824.R1101.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/BJS/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 8.24, load the NPPS new and modified programs from dataset MSMOV.NPPS.PROD.R824.R1101.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 | 2 |
| Text | 0 |
| Process | 0 |
| Miscellaneous Objects | 0 |
| ===== | |
| Total Programming Objects | 2 |
| Total Views Unloaded | 0 |
| Total Objects Read | 2 |
| Total Object Unloaded | 2 |

2.2 List of Source Code Modifications

Not applicable

2.3 List of Source Code Additions

The following is a list of all modules that were added for the software release 8.24.

| MODULE | NAME |
|----------|-----------------------------------------|
| NAB7133T | Interface for NPPS Data to IFM / Travel |
| NAB7133X | Interface File to X.500 Area |

RELEASE PROGRAMS (ADD) ==> 2

2.4 List of Source Code Deletions

Not applicable

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 CODES

When installing software release 8.24, 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

20010025

- Two JCL jobs created external to NPPS. The names of the data sets used in these two interface jobs will be pre-selected names picked to facilitate the secure transmission of the interface data. Sample JCL examples follow (and will be provided to the operational support team):

Sample JCL to execute NAB7133X:

To execute program NAB7133X, an interface file sent to the X.500 arena for the purpose of adding employee e-mail addresses, work and FAX phone numbers, and a personnel identifier. Note: Any center that is definitely not to be interfaced may be omitted from the interface by not including the center's number in the JCL line immediately below program NAB7133X below. The data set name below, aaaaa.bbbbbb.ccccccc.ddddddd, is the data set that will be picked up by X.500.

```
//IRINTX JOB (MSIRMNPPS004),enter-name,
```

```

//          CLASS=D,MSGCLASS=A,
//          NOTIFY=enter-id
//ALOC1 EXEC PGM=IEFBR14
//DD1 DD DSN=aaaaa.bbbbbb.ccccccc.dddddddd,
//  DISP=(MOD,DELETE),UNIT=SYSDA,SPACE=(TRK,0)
//JS010 EXEC enter-clist
//CMWKF01 DD DSN=aaaaa.bbbbbb.ccccccc.dddddddd,
//  UNIT=SYSDA,DISP=(NEW,KEEP),
//  SPACE=(CYL,(20,1),RLSE,DCB=(LRECL=161,RECFM=FB,BLKSIZE=6440)
//*
//CMSYNIN DD *
%*
Natural-Library,Natural-id
Natural-id
%*
NAB7133X
1000210024002200510023006200640072007600
FIN
/*
//

```

Sample JCL to execute NAB7133T: "AAAAA.BBBBBB.CCCCCCCC.DDDDDDDDD", is a fake data set name used to represent in the data set received by NPPS from X.500. This fake data set name will have same data format as data set sent from NPPS to X.500, and is represented in the previous JCL sample as "aaaaa.bbbbbb.ccccccc.dddddddd". The difference between the two data sets is that X.500 has filled up to four fields in the data set with X.500 data.

```

//IRINTX JOB (MSIRMNPPS004),enter-name,
//          CLASS=D,MSGCLASS=A
//          NOTIFY=enter-id
//ALOC1 EXEC PGM=IEFBR14
//DD1 DD DSN=XXXXX.YYYYYY.ZZZZZZZZ.TOTRAV,
//  DISP=(MOD,DELETE),UNIT=SYSDA,SPACE=(TRK,0)
//JS010 EXEC enter-clist
//CMWKF02 DD DSN=AAAAA.BBBBBB.CCCCCCCC.DDDDDDDDD,DISP=OLD
//CMWKF01 DD DSN=XXXXX.YYYYYY.ZZZZZZZZ.TOTRAV,
//  UNIT=SYSDA,DISP=(NEW,KEEP),
//  SPACE=(CYL,(60,1),RLSE),DCB=(LRECL=600,RECFM=FB,BLKSIZE=6000)
//*
/* >>>>>  ENTER SELECTED CENTERS FOLLOWING PROGRAM NAB7133T
/*
//CMSYNIN DD *
%*
Natural-Library,Natural-id
Natural-id

```

```
%*  
NAB7133T  
23006200  
FIN  
/*  
//
```

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 8.24, enter "8.2.4" 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
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Install Data Glossary
- 6.0 Catalog Source Code
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