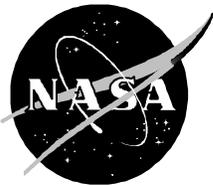


**VERSION DESCRIPTION DOCUMENT
FOR THE
NASA PERSONNEL/PAYROLL SYSTEM**

Software Release 7.41

PrISMS Contract

11/10/99



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT
FOR THE
NASA PERSONNEL/PAYROLL SYSTEM
SOFTWARE RELEASE 7.41**

Approved by

Sheila Fogle
Consolidation Center Project Manager

11/10/99
Date

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

November 1999

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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 7.41

Release Effective Date – November 10, 1999

Release Implementation Date – November 10, 1999

The release datasets will be made available to the production support DBA for installation, at which time all centers will be notified that it has been installed.

1.2 PURPOSE OF THE RELEASE

The purpose of this release is to implement the NPPS software allocated for this release. 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 7.41, 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) 544-6673

E-Mail: james.joyner@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 is affected by this release:

NPPS-UOG-10, NPPS User and Operations Guide (UOG)
AdminSTAR Interface Control Document (ICD)
Employee Express Interface Control Document (EEICD)

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 7.41 are detailed in Appendix D, Installation Instructions.

3.4.1 Release Dataset Names

The datasets for Software Release 7.41 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
CCR	Change Control Request
CPO	Consolidated Payroll Office
DBA	Database Administrator
DR	Discrepancy Report
FAX	Electronic Facsimile Transmission
HR	Human Resources
ICD	Interface Control Document
IRM	Information Resources Management
JCL	Job Control Language
MSFC	Marshall Space Flight Center
NACC	NASA ADP Consolidation Center
NASA	National Aeronautics and Space Administration
NDM	Network Data Mover
NOAC	Nature Of Action Code
NPPS	NASA Personnel/Payroll System
OPM	Office of Personnel Management
RC	Requirements Change
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
SRS	System/Software Requirements Specification
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 7.41 PERSONNEL & PAYROLL

1. 98000017

A. **Purpose:** To implement Savings Bond options for Employee Express.

B. **Test Procedure:**

- 1) Submit Bond transactions through Employee Express Daily Transactions in BJS. There are four types: Add a Bond; Change a Bond; Stop a Bond; Stop all Bonds. Note that “rotating” bonds cannot be added, changed, or stopped through Employee Express.
- 2) Schedule and run Payroll Batch Mature through BJS.
- 3) Schedule and run Create Employee Express Master File in BJS.
- 4) Schedule and run a complete Payroll cycle (i.e., batch jobs 3, 4, 5, and 6).

C. **Validation:**

- 1) Verify the EEB001 Report reflects all input Bond transactions.
- 2) Verify input Bond transactions are added properly to Payroll Suspense (SACT) before they are matured.
- 3) Verify accuracy of Bond deductions, balances, and refunds (QREG and BOND).
- 4) Verify accuracy of Bond data reflected on Report 201.
- 5) Verify accuracy of Bond Owner data (BOND and BOWN).
- 6) Verify Bond transactions are reflected on the Bond Tape output by batch job 4.
- 7) Verify the Employee Express Master File includes the appropriate Bond data in the format specified by the updated EEICD.

2. 98000048

A. **Purpose:** Modify Employee Express Report EEB001 to reflect “Additional” Exemptions for state income tax.

B. **Test Procedure:**

- 1) Using an Employee Express State Tax transaction, set an employee’s State Tax “Additional” Exemptions for California State Tax equal to a value greater than zero.
- 2) Print Employee Express Report EEB001.

C. **Validation:** Verify the EE Report 201 reflects the changed value for “Additional” Exemptions.

3. **99000075**

- A. **Purpose:** To modify the Employee Express Daily Transaction file to a record length of 560 bytes.
- B. **Test Procedure:** View the incoming EE Transaction file.
- C. **Validation:** Verify the file has a record length of 560 bytes, formatted in compliance with OPM's "Employee Express File Layouts", dated July 2, 1999.

**NASA PERSONNEL PAYROLL SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 7.41
NOVEMBER 1999**

The purpose of this release is to implement the changes allocated to software release 7.41 described below.

SOFTWARE RELEASE 7.41

RC 1620s IMPLEMENTED

98000017	Bonds Through Employee Express
98000048	EEB001 Rpt Doesn't Contain Exempts for State Tax
99000075	EE Changes for FEHB
99000093	AdminSTAR Add a Field
99000101	Deletion of UOG App E
99000102	Re-release of UOG
99000104	EE Bonds – Data Glossary Update

******* RECORD COUNT = 07**

DR 1620s IMPLEMENTED

99000097 Data Glossary Synonym Add

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

APPENDIX D
INSTALLATION INSTRUCTIONS

**NASA PERSONNEL PAYROLL SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 7.41
NOVEMBER 1999**

Introduction

Release Effective Date – November 10, 1999

Release Implementation Date - November 10, 1999

Release Inventory:

Dataset Names:

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

- MSMOV.NPPS.PROD.R741.R1199.GLS
- MSMOV.NPPS.PROD.R741.R1199.SRC

- xxMOV.NPPS.PROD.R741.R1199.DOC
- xxMOV.NPPS.PROD.R741.R1199.PRD

Where “xx” is replaced by the appropriate NASA Center designation.

DF - DFRC
GS - GSFC
HQ - HQ
J5 - JSC
LA - LaRC
LE - GRC (Glenn)
KS - KSC
MS - MSFC
SS - SSC

Physical media:
VDD

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

Telephone: (256) 544-6673
E-Mail: james.joyner@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 7.41, load the NPPS new and modified programs from dataset MSMOV.NPPS.PROD.R741.R1199.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	2
Maps	0
Helproutines	0
Subroutines	1
Subprograms	2
Programs	13
Copycode	0
Text	0
Process	0

Miscellaneous Objects	0
=====	
Total Programming Objects	18
Total Views Unloaded	0
Total Objects Read	18
Total Object Unloaded	18

2.2 List of Source Code Modifications

The following is a list of all modules that were modified for the software release 7.41.

Programs	Description of programs
=====	=====
EEBLDA1	NPS2-EXPRESS-MASTER view
EEB001	EE Receipt of Transactions from OPM
EEB002	Create Update EE Master Records
EEB004	Build Work File to Send to Express
NAB555	Leave and Earnings Statement
NAB6141	Batch Payroll Mature
NAB8000	IMFH Transaction Initialization
NAL1233A	NPS2-PAY-MASTER view
NAO1233	Bond/Owner Processing
NAO1233S	Bond/Owner Suspense Transaction Process
NEBAS01A	AdminSTAR Refresh
NSS0020	Get Suspense Record
NSS201C	Bond Screen Layout

RELEASE PROGRAMS (MOD) ==> 13

2.3 List of Source Code Additions

The following is a list of all modules that were created for the software release 7.41.

Programs	Description of programs
=====	=====
NAB6142	Bond Deletion/Roll
NAO1233T	Bond/Owner Suspense for EE Trans
NPTL0030	Tool – Employee Express Load (All Employees)
NPTL0032	Tool – Write New Field for AdminSTAR
NSS001A	Check Pay Subroutine

RELEASE PROGRAMS (NEW) ==> 05

2.4 List of Source Code Deletions

The following is a list of all modules that were deleted for the software release 7.41.

Programs	Description of programs
=====	=====
EEB006	Combine Data From Several Centers

RELEASE PROGRAMS (DEL) ==> 01

3.0 PRE-PREDICT DATA CONVERSION

Not Applicable

4.0 INSTALL PREDICT

4.1 Data Dictionary Changes

This release includes the enhancements for version 7.4.1. 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-7.4.1.

Use SYSDICBE to load the PREDICT modifications from the dataset XXMOV.NPPS.PROD.R741.R1199.PRD.

The following NPPS DDMs should be generated after the PREDICT load is complete.

NPS2-EXPRESS-MASTER
NPS2-PAY-SUSPENSE

The NPS2-TRN-INT file is no longer needed for the SESAAS delivered NPPS software. It should either be deleted, or renamed and renumbered if it is needed for site unique use.

It is not necessary to regenerate the DDMs for the NPS2-PAY-PHYSICAL file. The only modifications were to add documentation supporting the utility that populates the NPS2-DATA-GLOSSARY.

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	13
Data Elements	1000

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 field:

NPS2-PAY-SUSPENSE		File # 228							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*	-----	-----	*	*	--	*
	1	PAY-S-FNCTN-CODE	A	1.0				AT	N

```
ADADBS NEWFIELD FILE=228
ADADBS FNDEF='01,AT,1,A,NU'
```

Add the following fields:

NPS2-EXPRESS-MASTER		File # 240							
Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*--	-	-----	*--	-----	-----	*	*	--	*
	1	SB-ELGBLTY-IND	A	1.0				BU	N
PE	1	SB-DATA			10			DA	
	2	SB-DED-AMT	N	5.2				DB	N
	2	SB-DENOM-CODE	A	1.0				DC	N
	2	SB-OWNER-SSN	A	9.0				DD	N
	2	SB-OWNER-NAME	A	33.0				DE	N
	2	SB-MAIL-ADDR1	A	33.0				DF	N
	2	SB-MAIL-ADDR2	A	33.0				DG	N
	2	SB-MAIL-CITY-NAME	A	20.0				DH	N
	2	SB-MAIL-STATE-CODE	A	2.0				DI	N
	2	SB-MAIL-ZIP-CODE	A	11.0				DJ	N
	2	SB-CO-OWNER-BNFCRY-CODE	A	1.0				DK	N
	2	SB-CO-OWNER-BNFCRY-NAME	A	28.0				DL	N

```

ADADBS NEWFIELD FILE=240
ADADBS FNDEF='01,BU,1,A,NU'
ADADBS FNDEF='01,DA,PE'
ADADBS FNDEF='02,DB,7,U,NU'
ADADBS FNDEF='02,DC,1,A,NU'
ADADBS FNDEF='02,DD,9,A,NU'
ADADBS FNDEF='02,DE,33,A,NU'
ADADBS FNDEF='02,DF,33,A,NU'
ADADBS FNDEF='02,DG,33,A,NU'
ADADBS FNDEF='02,DH,20,A,NU'
ADADBS FNDEF='02,DI,2,A,NU'
ADADBS FNDEF='02,DJ,11,A,NU'
ADADBS FNDEF='02,DK,1,A,NU'
ADADBS FNDEF='02,DL,28,A,NU'

```

Delete the following file:

The NPS2-TRN-INT file is no longer needed for the SESAAS delivered NPPS software. It should either be deleted, or renamed and renumbered if it is needed for site unique use.

5.0 INSTALL DATA GLOSSARY

Load the ADABAS file NPS2-DATA-GLOSSARY (file #243, 4198 records) from the dataset MSMOV.NPPS.PROD.R741.R1199.GLS using the following ADABAS ADASAV utility commands.

```
ADASAV RESTORE OVERWRITE  
ADASAV FMOVE=243
```

6.0 CATALOG SOURCE CODES

When installing software release 7.41, 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

CAEE002 – a new step has been added to execute NAB6142. It requires work file 8 only.

NPTL0030 – A dataset of all employees information (to include the new bond information) will be sent to Employee Express. The JCL to run this tool has been given to CPO.

NPTL0032 – A new field will be added to the AdminSTAR file with this release. This tool will create a flat file of the new data for all employees. The JCL to run this tool has been given to CPO.

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 7.41, enter "07.410" 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
- 5.0 Load Data Glossary
- 6.0 Catalog Source Code
- 7.0 Post-Predict Data Conversion
- 8.0 JCL/BJS/Xerox Modifications
- 9.0 Special Instructions