

**VERSION DESCRIPTION DOCUMENT
FOR THE
CONSOLIDATED AGENCY
PERSONNEL/PAYROLL SYSTEM**

Software Release

5.1.1

PrISMS Contract

02/23/04



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, Alabama 35812

**VERSION DESCRIPTION DOCUMENT
FOR THE
CONSOLIDATED AGENCY PERSONNEL/PAYROLL SYSTEM
SOFTWARE RELEASE 5.1.1**

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HUNTSVILLE, ALABAMA

February 23, 2004

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CONSOLIDATED AGENCY PERSONNEL/PAYROLL SYSTEM
SOFTWARE RELEASE 5.1.1**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
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February 23, 2004

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1. INTRODUCTION

This Version Description Document (VDD) identifies the exact version of the Consolidated Agency Personnel/Payroll System (CAPPS) software released for installation/implementation.

1.1 IDENTIFICATION OF THE RELEASE

System Name – CAPPS

Release Number – Software Release 5.1.1

Support of the previous release expires 30 days after the scheduled release date. This release must be implemented before processing center submissions for pay period ending February 21, 2004.

1.2 PURPOSE OF THE RELEASE

The purpose of this release is to implement the CAPPS 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 CAPPS with the following information regarding changes to the contents and status of the application, CAPPS Release 5.1.1, 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 CAPPS 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 & CAPPS)

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

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

3.1.1 NPPS Interface

Not applicable.

3.1.2 OPM Interface

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 CAPP5 5.1.1 are detailed in Appendix D, Installation Instructions.

3.4.1 Release Dataset Names

The datasets for Software Release 5.1.1 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
BJS	Batch Job Submitter
CAPPS	Consolidated Agency Personnel/Payroll System
DBA	Database Administrator
DDM	Data Definition Module
DR	Discrepancy Report
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
SRS	System/Software Requirements Specification
UOG	User Operations Guide
VDD	Version Description Document

APPENDIX B
GLOSSARY

GLOSSARY

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 5.1.1

1. 20040001

A. Purpose:

- 1) To write a tool program that will correct invalid academic discipline codes in the OPM CPDF status transmission file.
- 2) To write a tool program that will correct invalid academic discipline codes in the OPM CPDF dynamics (transaction) transmission file.
- 3) To write a tool program that will correct invalid academic discipline codes in the CAPPs dynamics (transaction) history file.

B. Test Procedure:

To test the correction of the academic discipline codes in the OPM CPDF status and dynamics (transaction) transmission files (AFTER processing steps have been added to the JCL for CP00002 (Process Files)):

- 1) From the CAPPs Main Menu, go into the Batch Job Submitter, Job Scheduling, and Schedule Process.
- 2) Execute one or two pay period runs of CP00001 (Accept Input from NDM) and CP00002 (Process Files), including for the last pay period of the month.
- 3) Execute a monthly run of CP00001 and CP00002 to produce the CPDF status and dynamics (transaction) transmission files.

Note: There is no procedure to execute to test the correction of the academic discipline codes in the dynamics (transaction) history file.

C. Validation:

To validate the correction of the academic discipline codes in the OPM CPDF status and dynamics (transaction) transmission files:

- 1) After the monthly run of CP00002, examine the report that indicates if any records have been changed on the CPDF status transmission file (AGAOH.CAPPP.CPDF.STAT.GDG).
 - For an individual listed on the report, check his record on the status transmission file. Using a listing of the academic discipline old and new codes, verify that the HIFLD value in columns 160-165 in the status transmission file is the new value.
- 2) After the monthly run of CP00002, examine the report that indicates if any records have been changed on the CPDF dynamics (transaction) transmission file (AGAOH.CAPPP.CPDF.DYN.GDG)

- For an individual listed on the report, check his record on the dynamics (transaction) transmission file. Using a listing of the academic discipline old and new codes, verify that the HIFLD value in columns 246-251 in the dynamics (transaction) transmission file is the new value.

To validate the correction of the academic discipline codes in the dynamics (transaction) history file.

1) After the correction of the dynamics (transaction) history file, examine the file (CAPPS-DB-TX-HSTRY-PHY-FILE).

- For an individual listed on the report, check his record on the dynamics (transaction) history file. Using a listing of the academic discipline old and new codes, verify that the HIFLD value on the file is the new value.

CONSOLIDATED AGENCY PERSONNEL PAYROLL SYSTEM RELEASE DESCRIPTION

SOFTWARE RELEASE 5.1.1 February 2004

The purpose of this release is to implement the changes allocated to software release 5.1.1 described below.

SOFTWARE RELEASE 5.1.1

RC 1620s IMPLEMENTED

20040001	Outdated TDEGFLD Codes
----------	------------------------

***** RECORD COUNT = 01

APPENDIX D
INSTALLATION INSTRUCTIONS

**CONSOLIDATED AGENCY PERSONNEL PAYROLL
SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 5.1.1
February 2004**

Introduction

Release Date – February 23, 2004

Release Inventory:

Dataset Names:

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

- MSMOV.CAPPS.PROD.R511.R0204.SRC

Physical media:
VDD

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

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 Catalog Source Code
- 6.0 Post-Predict Data Conversion
- 7.0 JCL/BJIS Modifications
- 8.0 Special Instructions
- 9.0 Installation Checklist

1.0 BACKUP EXISTING DATA

It is advisable to back up all CAPPIS 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 5.1.1, load the CAPPIS new and modified programs from dataset MSMOV.CAPPIS.PROD.R511.R0204.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 CAPPIS, 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	0
Subprograms	0
Programs	3
Copycode	0
Text	0
Process	0
Miscellaneous Objects	0
=====	
Total Programming Objects	3
Total Views Unloaded	0
Total Objects Read	3
Total Objects Unloaded	3

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 5.1.1:

PROGRAM	DESCRIPTION
CATL0002	Change Academic Codes on Dynamics Extract File
CATL0003	Change Academic Codes on Status Extract File
CATL0004	Change Academic Codes on Dynamics History

RELEASE PROGRAMS (ADD) ==> 03

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 CATALOG SOURCE CODE

When installing software release 5.1.1, run a batch job to catalog (CATALL) all modules in the CAPPS 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 CAPPS application will run under the On-line standard parameters.

6.0 POST-PREDICT DATA CONVERSION

Not Applicable

7.0 JCL/BJS MODIFICATIONS

JCL

JP00002 (JCL for Job CP00002)

Modify step ALLOC:

Add DD entries AW12, AW13, AW14, AW15, AW16, and AW17.

* * * * *

Add step STEP4A:

Sort file created in step STEP4 to a work file.

Add step STEP4B:

Execute tool CATL0002 to read a file of academic discipline codes, read the work file created in step STEP4A, produce a report, and write a work file.

Add step STEP4C:

Sort the work file created in step STEP4B to a work file.

Modify steps STEP5 and STEP5B:

Read the work file created in step STEP4C.

* * * * *

Add step STEP6A:

Sort file created in step STEP6 to a work file.

Add step STEP6B:

Execute tool CATL0003 to read a file of academic discipline codes, read the work file created in step STEP6A, produce a report, and write a work file.

Add step STEP6C:

Sort the work file created in step STEP6B to a work file.

Modify steps STEP7 and STEP7B:

Read the work file created in step STEP6C.

BJS

Not Applicable

8.0 SPECIAL INSTRUCTIONS

The following is a list of steps to update the CAPPs release number.

1. Execute program CAPP1525 from the Natural Command line.
2. Enter "05.01.01" when the program requests the release number.
3. Verify that the correct release number is displayed by viewing the CAPPs logo screen after logging on to CAPPs.
4. From the CAPPs Main Menu, select Application Administration, then System Information. Verify that the correct release number is displayed.
5. Execute program BJSP-REL from the NATURAL Command line.
6. Enter "05.01.01" when the program requests the release number.
7. From the CAPPs Main Menu, select Batch Job Submitter, then SYS Administration, then System Information. Verify that the correct release number is displayed.

9.0 INSTALLATION CHECKLIST

- 1.0 Back Up Existing Data
- 2.0 Copy Source/Object Code
- 5.0 Catalog Source Code
- 8.0 Special Instructions