

Release 1138
Service Request 13202
Generic Full Accounting Unit

INSTALLATION INSTRUCTIONS
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Installation Instructions

This document provides installation instructions for this release. Review these instructions carefully before proceeding with installation. It is especially important to review the DB2 structure changes and the procedures that should be followed.

Release 1113 (Committed Salaries) issued copymember CPWSFAUR, which is essential for this release. If Release 1113 has not been installed, then install copymember from that release, along with modifications from this release.

DB2 Changes

Due to the fact that tables are being dropped and recreated, rather than altered, some installation steps and testing steps must be coordinated. Specifically, the first steps of the Test Plan which load the test databases and unload some table data for conversion must be executed prior to beginning the DB2 changes.

Procedure Overview

The DB2 changes involve the redefinition of columns, and therefore require the dropping and recreation of the tables. For tables that are not in the PPPCTL database, the previous data must be unloaded prior to the DDL work, the data converted, and then reloaded after the DDL work is complete. The process for each DB2 table is separate. The basic procedure for each table is:

- 1) Unload the existing table data (see JCL(UPREVxxx) where xxx is the database).
- 2) Make any necessary local changes and install the appropriate one-time conversion program.
- 3) Run the one-time program to convert the unloaded table data to the new format (see JCL(CONVxxx)).
- 4) Perform all the DDL work for the table.
- 5) Run an unload to create a \$\$LOAD member for the new table format (see JCL(U\$\$xxx).
- 6) Reload the table using the converted data and the new \$\$LOAD format (see JCL(RLOADxxx).

The conversion of the VSAM CTL tables occurs in two programs, which convert the RESTORE file itself rather than the VSAM CTL. The basic procedure is:

1. Backup the VSAM Restore file.
2. Make any necessary local changes and install the one-time conversion program.
3. Run PPO1138G and PPO1138L to convert the RESTORE table data to the new format.
4. Run PPP150 to load the VSAM CTL with the converted RESTORE.
5. Perform all the DDL work for the PPPCTL tables.
6. Run PPP851 to update the DB2 CTL from the VSAM CTL.

Unload Tables

1. Create a copy of the VSAM CTL Restore file which will be converted. This affects all the PPPCTL database tables.
2. PPP640 loads, reports from, and deletes the PPPLVL and PPPLLI DB2 tables. Complete a full cycle of PPP640 processing so that the subsequent dropping of the PPPLLI table will not destroy any needed data.
3. Unload the following DB2 tables. The one-time programs, and the provided sample JCL, expect to read and create fixed length records which match the Base table row lengths. If there are local changes to the Base rows or local procedures use variable length records, the JCL and one-time programs must be adjusted for the correct DCB information.

Table	Database
PPPABD	PPPABY
PPPABE	PPPABY
PPPABF	PPPABY
PPPGTNH	PPPCDB
PPPAWR	PPPEDB
PPPDIS	PPPEDB
PPPFBA	PPPEDB
PPPTOE	PPPETH
PPPAWD	PPPHDB
PPPDST	PPPHDB
PPPERN	PPPPAR
PPPEUD	PPPPAR
PPPLLI	PPPPCD
PPPTHA	PPPTHF
PPPTHF	PPPTHF
PPPTIM	PPPTHF

DDL Member Installation

1. Install the **modified** DDL Table members listed in the following table.

Modified DDL Members	Table	Database	Installed?
TBABD00C	PPPABD	PPPABY	
TBABE00C	PPPABE	PPPABY	
TBABF00C	PPPABF	PPPABY	
TBAPU00C	PPPAPU	PPPCTL	
TBAWD00C	PPPAWD	PPPHDB	
TBAWR00C	PPPAWR	PPPEDB	
TBCRA00C	PPPCRA	PPPCTL	
TBCST00C	PPPCST	PPPCTL	
TBDIS00C	PPPDIS	PPPEDB	
TBDST00C	PPPDST	PPPHDB	
TBDUA00C	PPPDUA	PPPCTL	
TBDUC00C	PPPDUC	PPPCTL	
TBERN00C	PPPERN	PPPPAR	
TBEUD00C	PPPEUD	PPPPAR	
TBFBA00C	PPPFBA	PPPEDB	
TBFND00C	PPPFND	PPPCTL	
TBGTN00C	PPPGTN	PPPCTL	
TBGTNH0C	PPPGTNH	PPPCDB	
TBHCA00C	PPPHCA	PPPCTL	
TBHCU00C	PPPHCU	PPPCTL	
TBLAF00C	PPPLAF	PPPCTL	
TBLLI00C	PPPLLI	PPPPCD	
TBTHA00C	PPPTHA	PPPTHF	
TBTHF00C	PPPTHF	PPPTHF	

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Modified DDL Members	Table	Database	Installed?
TBTIM00C*	PPPTIM	PPPTHF	
TBTOE00C	PPPTOE	PPPETH	
TBWSF00C	PPPWSF	PPPCTL	
TBWSP00C	PPPWSP	PPPCTL	

*In the Base environment this table contains FAU subunit references and is considered below-the-line. A campus that is not using the BASE FAU will need to install the appropriate changes.

2. Install the **modified** DDL Index members listed in the following table.

Modified DDL Members	Table	Index	Installed?
IXCRA00C	PPPCRA	PPXCRA	
IXCST00C	PPPCST	PPXCST	
IXDUA00C	PPPDUA	PPXDUA	
IXDUC00C	PPPDUC	PPXDUC	
IXFBA00C	PPPFBA	PPXFBA	
IXFND00C	PPPFND	PPXFND	
IXHCA00C	PPPHCA	PPXHCA	
IXLAF00C	PPPLAF	PPXLAF	
IXWSF00C	PPPWSF	PPXWSF	

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3. Install the **modified** DDL View members listed in the following table.

Modified DDL Members	Table	View	Installed?
PPPVDIS1	PPPDIS	PPPVDIS1_DIS	
PPPVDIS2	PPPDIS	PPPVDIS2_DIS	
PPPV DST1	PPPDST	PPPV DST1_DST	
PPPVEUD1	PPPEUD	PPPVEUD1_EUD	
PPPVFBA1	PPPFBA	PPPVFBA1_FBA	
PPPVFBA2	PPPFBA	PPPVFBA2_FBA	
PPPVGTNH	PPPGTNH	PPPVGTNH_GTNH	
PPPVTOE1	PPPTOE	PPPVTOE1_TOE	
PPPVZABF	PPPABF	PPPVZABF_ABF	
PPPVZAPU	PPPAPU	PPPVZAPU_APU	
PPPVZCRA	PPPCRA	PPPVZCRA_CRA	
PPPVZCST	PPPCST	PPPVZCST_CST	
PPPVZDIS	PPPDIS	PPPVZDIS_DIS	
PPPVZDST	PPPDST	PPPVZDST_DST	
PPPVZDUA	PPPDUA	PPPVZDUA_DUA	
PPPVZERN	PPPERN	PPPVZERN_ERN	
PPPVZEUD	PPPEUD	PPPVZEUD_EUD	
PPPVZFBA	PPPFBA	PPPVZFBA_FBA	
PPPVZFND	PPPFND	PPPVZFND_FND	
PPPVZGTN	PPPGTN	PPPVZGTN_GTN	
PPPVZHCA	PPPHCA	PPPVZHCA_HCA	
PPPVZHCU	PPPHCU	PPPVZHCU_HCU	
PPPVZLAF	PPPLAF	PPPVZLAF_LAF	
PPPVZLLI	PPPLLI	PPPVZLLI_LLI	
PPPVZTIM*	PPPTIM	PPPVZTIM_TIM	
PPPVZTOE	PPPTOE	PPPVZTOE_TOE	

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Modified DDL Members	Table	View	Installed?
PPPZWSF	PPPWSF	PPPZWSF_WSF	
PPPZWSP	PPPWSP	PPPZWSP_WSP	

*In the Base environment this view contain FAU subunit references and is below-the-line. A campus that is not using the BASE FAU will need to install the appropriate changes. Indexes, which were not changed with this release, will also require changes.

DB2 Changes

1. The RC/Migrator strategy in ANALYSIS(R1138U) can be used to perform the DB2 changes, or the environments may be updated using the DDL members which were also provided. You should be aware that the strategies do not provide for local changes to referenced objects. If you do not wish to use the RC/Migrator strategy, skip this step and continue with Step 2.

- a) Modify strategy member R1138AU by replacing “*AUTHID*” with the appropriate campus value. Replace “PPPEDB” and “PPPHDB” with the local name of the databases to be updated.
 - b) Modify strategy member R1138BU by replacing “*AUTHID*” with the appropriate campus value. Replace “PPPCTL” and “PPPCDB” with the local name of the databases to be updated.
 - c) Modify strategy member R1138CU by replacing “*AUTHID*” with the appropriate campus value. Replace “PPPETH” with the local name of the databases to be updated.
 - d) Modify strategy member R1138DU by replacing “*AUTHID*” with the appropriate campus value. Replace “PPPABY” and “PPPPCD” with the local name of the databases to be updated.
 - e) Modify strategy member R1138AU by replacing “*AUTHID*” with the appropriate campus value. Replace “PPPPCD” and “PPPPAR” with the local name of the databases to be updated.
- b) Use RC/Migrator to execute the strategies.
- c) Skip steps 2 through 4 and proceed with \$\$LOAD for New Formats.

2. Drop the following tables (same as the modified tables list above). This will also drop the associated Indexes and Views.

Dropped Table	Database	Dropped?
PPPABD	PPPABY	
PPPABE	PPPABY	
PPPABF	PPPABY	
PPPAPU	PPPCTL	
PPPAWD	PPPHDB	
PPPAWR	PPPEDB	
PPPCRA	PPPCTL	

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Dropped Table	Database	Dropped?
PPPCST	PPPCTL	
PPPDIS	PPPEDB	
PPPDST	PPPHDB	
PPPDUA (references DUC)	PPPCTL	
PPPDUC	PPPCTL	
PPPERN (references EUD)	PPPPAR	
PPPEUD	PPPPAR	
PPPFBA	PPPEDB	
PPPFND	PPPCTL	
PPPGTN	PPPCTL	
PPPGTNH	PPPCDB	
PPPHCA (references HCU)	PPPCTL	
PPPHCU	PPPCTL	
PPPLAF	PPPCTL	
PPPLLI	PPPPCD	
PPPTHA	PPPTHF	
PPPTHF	PPPTHF	
PPPTIM	PPPTHF	
PPPTOE	PPPETH	
PPPWSF (references WSP)	PPPCTL	
PPPWSP	PPPCTL	

3. Create the following tables, indexes and views.

DDL Member	Table	Table Database, Indexes, Views	Created?
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DDL Member	Table	Table Database, Indexes, Views	Created?
TBABD00C	PPPABD	PPPABY	
IXABD01C	PPPABD	PPPXABD	
PPPVABY2	PPPABD	PPPVABY2_ABD	
PPPVABY3	PPPABD	PPPVABY3_ABD	
PPPVZABD	PPPABD	PPPVZABD_ABD	
TBABE00C	PPPABE	PPPABY	
IXABE00C	PPPABE	PPPXABE	
PPPVABY6	PPPABE	PPPVABY6_ABE	
PPPVABY8	PPPABE	PPPVABY8_ABE	
PPPVZABE	PPPABE	PPPVZABE_ABE	
TBABF00C	PPPABF	PPPABY	
PPPVZABF	PPPABF	PPPVZABF_ABF	
TBAPU00C	PPPAPU	PPPCTL	
IXAPU00C	PPPAPU	PPPXAPU	
PPPVZAPU	PPPAPU	PPPVZAPU_APU	
TBAWD00C	PPPAWD	PPPHDB	
IXAWD00C	PPPAWD	PPPXAWD	
PPPVZAWD	PPPAWD	PPPVZAWD_AWD	
PPPVAWD1	PPPAWD	PPPVAWD1_AWD	
TBAWR00C	PPPAWR	PPPEDB	
IXAWR00C	PPPAWR	PPPXAWR	
PPPVAWR1	PPPAWR	PPPVAWR1_AWR	
PPPVAWR2	PPPAWR	PPPVAWR2_AWR	
PPPVZAWR	PPPAWR	PPPVZAWR_AWR	
TBCRA00C	PPPCRA	PPPCTL	
IXCRA00C	PPPCRA	PPXCRA	

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DDL Member	Table	Table Database, Indexes, Views	Created?
PPPVZCRA	PPPCRA	PPPVZCRA_CRA	
TBCST00C	PPPCST	PPPCTL	
IXCST00C	PPPCST	PPPCTL	
PPPVZCST	PPPCST	PPPVZCST_CST	
TBDIS00C	PPPDIS	PPPEDB	
IXDIS01C	PPPDIS	PPPXDIS	
PPPV760C	PPPDIS	PPPV760C_DIS	
PPPV765B	PPPDIS	PPPV765B_DIS	
PPPVDIS2	PPPDIS	PPPVDIS2_DIS	
PPPVDIS1	PPPDIS	PPPVDIS1_DIS	
PPPVZDIS	PPPDIS	PPPVZDIS_DIS	
TBDST00C	PPPDST	PPPHDB	
IXDST00C	PPPDST	PPPXDST	
PPPV DST1	PPPDST	PPPV DST1_DST	
PPPVZDST	PPPDST	PPPVZDST_DST	
TBDUC00C	PPPDUC	PPPCTL	
IXDUC00C	PPPDUC	PPPXDUC	
PPPVZDUC	PPPDUC	PPPVZDUC_DUC	
TBDUA00C (references DUC)	PPPDUA	PPPCTL	
IXDUA00C	PPPDUA	PPPXDUA	
PPPVZDUA	PPPDUA	PPPVZDUA_DUA	
TBEUD00C	PPPERN	PPPPAR	
IXEU200C	PPPEUD	PPPXEUD2	
IXEUD01C	PPPEUD	PPPXEUDF	
IXEUDA0C	PPPEUD	PPPXEUD	
IXEUDB0C	PPPEUD	PPPXEUDA	

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DDL Member	Table	Table Database, Indexes, Views	Created?
IXEUDC0C	PPPEUD	PPPXEUDB	
IXEUDD0C	PPPEUD	PPPXEUDC	
IXEUDE0C	PPPEUD	PPPXEUDD	
IXEUDF0C	PPPEUD	PPPXEUDE	
PPPVEUD1	PPPEUD	PPPVEUD1_EUD	
PPPVZEUD	PPPEUD	PPPVZEUD_EUD	
PPPVABY7	PPPEUD	PPPVABY7_PAR	
TBERN00C (references EUD)	PPPEUD	PPPPAR	
IXER200C	PPPERN	PPPXERN2	
IXERN01C	PPPERN	PPPXERN	
PPPVZERN	PPPERN	PPPVZERN_ERN	
TBFBA00C	PPPFBA	PPPEDB	
IXFBA00C	PPPFBA	PPPFBA	
PPPZFBA	PPPFBA	PPPZFBA_FBA	
PPPVFBA2	PPPFBA	PPPVFBA2_FBA	
PPPVFBA1	PPPFBA	PPPVFBA1_FBA	
TBFND00C	PPPFND	PPPCTL	
IXFND00C	PPPFND	PPPFND	
PPPZFND	PPPFND	PPPZFND_FND	
TBGTN00C	PPPGTN	PPPCTL	
IXGT200C	PPPGTN	PPPXGTN2	
IXGTN00C	PPPGTN	PPPXGTN	
PPPVGTN	PPPGTN	PPPVGTN_GTN	
TBGTNH0C	PPPGTNH	PPPCDB	
IXGT2H0C	PPPGTNH	PPPXGTNH2	

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DDL Member	Table	Table Database, Indexes, Views	Created?
IXGTNH0C	PPPGTNH	PPPXTGNH	
PPPVGTNH	PPPGTNH	PPPVGTNH_GTNH	
TBHCU00C	PPPHCU	PPPCTL	
IXHCU00C	PPPHCU	PPPXHCU	
PPPVZHCU	PPPHCU	PPPVZHCU_HCU	
TBHCA00C (references HCU)	PPPHCA	PPPCTL	
IXHCA00C	PPPHCA	PPPXHCA	
PPPVZHCA	PPPHCA	PPPVZHCA_HCA	
TBLAF00C	PPPLAF	PPPCTL	
IXLAF00C	PPPLAF	PPPXLAF	
PPPVZLAF	PPPLAF	PPPVZLAF_LAF	
TBLLI00C	PPPLLI	PPPPCD	
IXLLI00C	PPPLLI	PPPXLLI	
PPPVZLLI	PPPLLI	PPPVZLLI_LLI	
TBTHA00C	PPPTHA	PPPTHF	
PPPVZTHA	PPPTHA	PPPVZTHA_THA	
TBTHF00C	PPPTHF	PPPTHF	
IXTHF00C	PPPTHF	PPPXTHF	
PPPVTHF2	PPPTHF	PPPVTHF2_THF	
PPPVZTHF	PPPTHF	PPPVZTHF_THF	
TBTIM00C	PPPTIM	PPPTHF	
IXTIM00C	PPPTIM	PPPXTIM	
IXTIM02C	PPPTIM	PPPXTIM2	
IXTIM03C	PPPTIM	PPPXTIM3	
IXTIM04C	PPPTIM	PPPXTIM4	
IXTIM05C	PPPTIM	PPPXTIM5	

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DDL Member	Table	Table Database, Indexes, Views	Created?
IXTIM06C	PPPTIM	PPPXTIM6	
PPPVZTIM	PPPTIM	PPPVZTIM_TIM	
TBTOE00C	PPPTOE	PPPETH	
IXTOE01C	PPPTOE	PPPXTOE	
IXTOE02C	PPPTOE	PPPZTOE	
PPPVZTOE	PPPTOE	PPPVZTOE_TOE	
PPPVTOE1	PPPTOE	PPPVTOE1_TOE	
PPPVTOE2	PPPTOE	PPPVTOE2_TOE	
TBWSP00C	PPPWSP	PPPCTL	
IXWSP00C	PPPWSP	PPPXWSP	
PPPVZWSP	PPPWSP	PPPVZWSP_WSP	
TBWSF00C (references WSP)	PPPWSF	PPPCTL	
IXWSF00C	PPPWSF	PPPXWSF	
PPPVZWSF	PPPWSF	PPPVZWSF_WSF	

4. Re-establish referential links in the following tables.

Table	References	Done?
PPPDAT	PPPEUD	
PPPDRC	PPPEUD	
PPPHAT	PPPEUD	

\$\$LOAD for New Formats

“Unload” the following tables. This will create a \$\$LOAD member containing the new formats of the changed tables. Individual \$\$LOAD members can be created, or one single member containing all the tables can be created. Note that this does not include the PPPCTL tables which will be recreated from the reformmatted RCSTORE data.

Unload Table Format	Database	Unloaded?
PPPABD	PPPABY	
PPPABE	PPPABY	
PPPABF	PPPABY	
PPPAWD	PPPHDB	
PPPAWR	PPPEDB	
PPPDIS	PPPEDB	
PPPDST	PPPHDB	
PPPEUD	PPPPAR	
PPPERN	PPPPAR	
PPPFBA	PPPEDB	
PPPGTNH	PPPCDB	
PPPTHA	PPPTHF	
PPPTHF	PPPTHF	
PPPTIM	PPPTHF	
PPPTOE	PPPEH	

Convert Data with One-Time Programs

At this time, the one-time programs and related objects, which are included in “one-time” subsections in later COBOL, Copymember, etc. sections, must be installed. In addition, some modified non-one-time copymembers and Include members must also be installed for use by the one-time programs.

The one-time programs, and the provided sample JCL, expect to read and create fixed length records which match the Base table row lengths. If there are local changes to the Base rows, the program file definitions and the JCL must be adjusted to the new row record length. If local procedures create variable length records within a PDS, as for example the test EDB databases sent with releases, then further changes are required in the record definition in the one-time programs. This installation also includes three programs used in *Convert Other Files*.

1. Install the one-time copymembers in *Copylib Member Installation*.
2. Install the one-time binds in *Bind Member Installation*.
3. In addition, the following modified non-one-time copymembers must be installed.

Copymember	Installed?
CPPDXDC3	
CPWSFAUR	
CPWSGTNH	
CPWSRAWD	
CPWSRAWR	
CPWSRDIS	
CPWSRDST	
CPWSRFBA	
CPWSXDC3	
CPWSXHCU	
CPWSXWSP	

4. In addition, the following modified non-one-time Include members must be installed.

Include Member	Installed?

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Include Member	Installed?
PPPVZABD	
PPPVZABE	
PPPVZABF	
PPPVZFND	
PPPVZTHA	

5. Install and prepare the one-time programs in *Program Preparation*.
6. Create the one-time JCL in JCL.
7. Run the one-time programs to convert the DB2 table data.

Run One-Time Program	Table	Database
PPO1138A	PPPDIS	PPPEDB
PPO1138B	PPPDST	PPPHDB
PPO1138C	PPPFBA	PPPEDB
PPO1138D	PPPERN	PPPPAR
PPO1138E	PPPTOE	PPPETH
PPO1138F	PPPEUD	PPPPAR
PPO1138H	PPPABD	PPPABY
PPO1138I	PPPABE	PPPABY
PPO1138J	PPPABF	PPPABY
PPO1138K	PPPTHATHA	PPPTHF
PPO1138M	PPPAWR	PPPEDB
PPO1138N	PPPAWD	PPPHDB
PPO1138P	PPPGTNH	PPPCDB
PPO1138S	PPPTHF	PPPTHF
PPO1138T	PPPTIM	PPPTHF

2. Run one-time programs PPO1138G and PPO1138L to convert the VSAM Restore file.

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Run One-Time Program	VSAM Table	Database
PPO1138G	VSAM Restore File: PPPAPU, PPPGTN, PPPHCU, PPPWSP	PPPCTL, via PPP851: PPPAPU, PPPGTN, PPPHCU, PPPHCA, PPPWSP, PPPWSF
PPO1138L	VSAM Restore File: PPPCRA, PPPCST, PPPFND, PPPLAT	PPPCTL, via PPP851: PPPCRA, PPPCST, PPPFND, PPPLAT, PPPLAF

Reload the Converted Data

1. Load the following tables using the converted data output from the one-time programs and the \$\$LOAD definitions created in the new format.

Reload Table	Database	Loaded?
PPPABD	PPPABY	
PPPABE	PPPABY	
PPPABF	PPPABY	
PPPAWD	PPPHDB	
PPPAWR	PPPEDB	
PPPDIS	PPPEDB	
PPPDST	PPPHDB	
PPPEUD	PPPPAR	
PPPERN (references EUD)	PPPPAR	
PPPFBA	PPPEDB	
PPPGTNH	PPPCDB	
PPPLLI	PPPPCD	
PPPTHA	PPPTHF	
PPPTHF	PPPTHF	
PPPTIM	PPPTHF	
PPPTOE	PPPEH	

2. Run PPP150 with the converted Restore file as input to load the VSAM CTL file.

3. Run PPP851 to load the following DB2 tables from the VSAM CTL. PPP851 handles the referential order.

Reload Table	Database	Loaded?
PPPAPU	PPPCTL	
PPPCRA	PPPCTL	

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Reload Table	Database	Loaded?
PPPCST	PPPCTL	
PPPDUA*	PPPCTL	
PPPDUC*	PPPCTL	
PPPFND	PPPCTL	
PPPGTN	PPPCTL	
PPPHCA	PPPCTL	
PPPHCU	PPPCTL	
PPPLAF	PPPCTL	
PPPWSF	PPPCTL	
PPPWSP	PPPCTL	

*although PPPDUC and PPPDUA are not changed on the VSAM file, there is some alteration performed by the new version of PPP851.

Convert Other Files

1. Run PPCNVPAR to convert all PAR files.
2. Run PPO1138O to convert the IAP Balance file, if necessary.
3. Run PPO1138Q to convert the PPP530 Financial Reversal File, if necessary.
4. Run PPO1138R to convert the Financial Aid YTD file, if necessary.
4. Run PPO1138U to convert the PPP530 TOE Update file, if necessary.

CICS Map Generation

1. Install the source code contained in DGIPNL for the **modified** maps.
2. Use SDF II option 6 to generate the BMS macros and the COBOL data structures for these Maps.
3. Assemble and link the BMS macros to produce the physical map descriptions used by CICS/BMS.

Map Name	DGIPNL Member	Installed?	Generated?	Assembled?
PPEAPC0	PPEAPC0			
PPEAPP0	PPEAPP0			
PPEAWD0	PPEAWD0			
PPEDHC0	PPEDHC0			
PPEDTL0	PPEDTL0			
PPEDTM0	PPEDTM0			
PPEDTS0	PPEDTS0			
PPETAPO	PPETAPO			
PPETFT0	PPETFT0			
PPETLR0	PPETLR0			
PPETRA0	PPETRA0			
PPETTE0	PPETTE0			
PPETTX0	PPETTX0			
PPEUCIO	PPEUCIO			
PPHADFO	PPHADFO			
PPHAWD0	PPHAWD0			
PPIAPP0	PPIAPP0			
PPIAPT0	PPIAPT0			
PPIAWD0	PPIAWD0			
PPIDST0	PPIDST0			

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Map Name	DGIPNL Member	Installed?	Generated?	Assembled?
PPIERN0	PPIERN0			
PPIUCI0	PPIUCI0			
PPRC100	PPRC100			
PPRC110	PPRC110			
PPRC300	PPRC300			

Modified Maps

Include Member Installation

1. Install the **modified** Include members listed in the following table.

Modified Include Members	Installed?
PPPC810A	
PPPC810B	
PPPVABY2	
PPPVABY6	
PPPVABY8	
PPPVAWD1	
PPPVAWR1	
PPPVAWR2	
PPPVDIS1	
PPPVDIS2	
PPPV DST1	
PPPV EUD1	
PPPV FBA1	
PPPV FBA2	
PPPV GTNH	
PPPV THF2	
PPPV TOE1	
PPPV ZABD	
PPPV ZABE	
PPPV ZABF	
PPPV ZAPU	
PPPV ZAWD	

**Generic Full Accounting Unit
Installation Instructions**

Modified Include Members	Installed?
PPPVZAWR	
PPPVZCRA	
PPPVZCST	
PPPVZDIS	
PPPVZDST	
PPPVZDUA	
PPPVZERN	
PPPVZEUD	
PPPVZFBA	
PPPVZFND	
PPPVZGTN	
PPPVZHCA	
PPPVZHCU	
PPPVZLAF	
PPPVZLLI	
PPPVZTHA	
PPPVZTHF	
PPPVZTIM	
PPPVZTOE	
PPPVZWSF	
PPPVZWSP	

Modified Include Members

Copylib Member Installation

1. Install the **modified** Copylib members listed in the following table.

Modified Copylib Members	Installed?
CPFD5302	
CPFDGSRR	
CPFDTOEU	
CPFDWICD	
CPFDXCPA	
CPFDXEDF	
CPFDXPAR	
CPFDXPJA	
CPFDXTFO	
CPFDXTIM	
CPLNF016	
CPLNF120	
CPLNKAP2	
CPLNKBTR	
CPLNKDS2	
CPLNKEXP	
CPLNKFAN	
CPLNKHCU	
CPLNKORG	
CPLNKTSA	
CPPDHDPT	
CPPDX020	
CPPDX030	
CPPDXDC3	

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Modified Copylib Members	Installed?
CPPDXLA2	
CPWPATBL	
CPWS5302	
CPWSABEY	
CPWSACCT	
CPWSCEMS	
CPWSCSEC	
CPWSCSEE	
CPWSCTRN	
CPWSEAWR	
CPWSEFBA	
CPWSETWK	
CPWSFAUR	
CPWSGSRR	
CPWSGSRX	
CPWSGTNH	
CPWSILAT	
CPWSLVAS	
CPWSORCA	
CPWSOTIM	
CPWSPTRN	
CPWSPTRW	
CPWSRAWD	
CPWSRAWR	
CPWSRCPW	
CPWSRCTS	
CPWSRDIS	
CPWSRDST	

Generic Full Accounting Unit
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Modified Copylib Members	Installed?
CPWSRFBA	
CPWSRFND	
CPWSSPEC	
CPWSTOEU	
CPWSTRIF	
CPWSVPAR	
CPWSWBAT	
CPWSWCDT	
CPWSWPAR	
CPWSWPBC	
CPWSXAPU	
CPWSXBAT	
CPWSXC1T	
CPWSXC2T	
CPWSXC3T	
CPWSXC5T	
CPWSXCCF	
CPWSXCDT	
CPWSXCFK	
CPWSXCIT	
CPWSXCOT	
CPWSXCPA	
CPWSXCRA	
CPWSXCSF	
CPWSXCTB	
CPWSXCTF	
CPWSXCTL	
CPWSXCTR	

Generic Full Accounting Unit
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Modified Copylib Members	Installed?
CPWSXCTS	
CPWSXDC3	
CPWSXE1T	
CPWSXE2T	
CPWSXE3T	
CPWSXEDR	
CPWSXFAU	
CPWSXGLX	
CPWSXGTA	
CPWSXGTN	
CPWSXHCU	
CPWSXICE	
CPWSXLAT	
CPWSXMST	
CPWSXOST	
CPWSXPA1	
CPWSXPAR	
CPWSXPAW	
CPWSXPBC	
CPWSXPIA	
CPWSXR93	
CPWSXRAI	
CPWSXSUB	
CPWSXTAT	
CPWSXTIM	
CPWSXWSP	
CPWSXWTX	
CPWSZPAR	

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Installation Instructions

Modified Copylib Members	Installed?
CPWSZWSI	
CPWSZWST	

Modified Copylib Members

- Some copymembers contain campus specific values; the release changes should be installed in local versions. Install the **modifications** in Copylib members listed in the following table.

Modified Copylib Members	Installed?
CPWSFNDR	
CPWSXCSE	
CPWSXIC2	
CPWSXIC5	
CPWSXIDC	
CPWSXBJL	
CPWSXTFL	

- Install the **new** Copylib members listed in the following table.

New Copylib Members	Installed?
CPFDXPAY	
CPFDGLX	
CPLNF001	
CPLNF002	
CPLNF006	
CPLNF007	
CPLNF011	
CPLNF012	
CPLNF014	

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New Copylib Members	Installed?
CPLNF015	
CPLNF017	
CPLNF018	
CPLNF019	
CPLNF020	
CPLNF021	
CPLNF022	
CPLNF023	
CPLNF024	
CPLNF025	
CPLNF026	
CPLNF027	
CPLNF029	
CPLNF030	
CPLNF031	
CPLNF032	
CPLNF033	
CPLNF034	
CPLNF036	
CPLNF101	
CPLNF102	
CPLNF103	
CPLNF105	
CPLNF106	
CPLNF107	
CPLNF108	
CPLNF109	
CPLNF110	

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New Copylib Members	Installed?
CPLNKDUC	
CPPDEAPC	
CPPDEAPP	
CPPDEDHC	
CPPDEDTL	
CPPDEDTM	
CPPDEDTS	
CPPDETAP	
CPPDETFT	
CPPDETLR	
CPPDETRA	
CPPDETTTE	
CPPDETTX	
CPPDEUCI	
CPPDFFAU	
CPPDHADF	
CPPDIAPP	
CPPDIAPT	
CPPDIDST	
CPPDIDTC	
CPPDIPIC	
CPPDIUCI	
CPPDP627	
CPPDRC10	
CPPDRC11	
CPPDRC30	

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New Copylib Members	Installed?
CPPFAU02	
CPPFAU03	
CPPFAU08	
CPPFAU09	
CPPFAU11	
CPPFAU12	
CPPFAU13	
CPPFAU14	
CPPFAU15	
CPWSFAUE	
CPWSFFAU	
CPWSFGLX	
CPWSX53A	
CPWSX53B	

New Copylib Members

4. Install the **one-time** Copylib members listed in the following table. These copymembers are used in one-time programs to define previous structures. Current local members should be used if campus-specific or not Base.

One-Time Copylib Members	Installed?
PREVFNDR	
PREVGTNH	
PREVXIC2	
PREVXIC3	
PREVXIC5	
PREVXIDC	

One-time Copylib Members

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Bind Member Installation

1. Install the **modified** Bind member listed in the following table.

Modified Bind Members	Installed?
PPP010	
PPP330	
PPP350	
PPP380	
PPP390	
PPP420	
PPP450	
PPP520	
PPP530	
PPP533	
PPP535	
PPP640	
PPP670	
PPP680	
PPP710	
PPP713	
PPP741	
PPP876	
PPP910	
PPP940	
PPP960	
PPP980	
PPP990	
PPRCABEY	

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Modified Bind Members

2. Install the **new** Bind member listed in the following table.

New Bind Members	Installed?
PPFAU018	

New Bind Members

3. Install the **one-time** Bind member listed in the following table.

One-Time Bind Members	Installed?
PPCNVPAR	
PPO1138D	
PPO1138E	
PPO1138F	
PPO1138G	
PPO1138L	
PPO1138O	
PPO1138Q	

One-Time Bind Members

Program Preparation

Note: At UCOP, all COBOL programs pass through the DB2 pre-compiler, whether or not the program contains embedded SQL, to resolve INCLUDE references. Your site may have different requirements.

Note: "DUAL" programs must be compiled twice and linked into batch and online libraries ("LOADLIB" and "OLOADLIB" respectively). "CICS" programs must be CICS pre-compiled and compiled once and linked into OLOADLIB. "BATCH" programs must be compiled once and linked into the batch LOADLIB only.

1. Install, compile and link the **modified** programs listed in the following table.

Modified Program	DB2?	Compile	Package Bind?	Done?
PPACTION	YES	DUAL	PACKAGE	
PPAPORUP	YES	CICS	PACKAGE	
PPAPTDPT	YES	DUAL	PACKAGE	
PPAPTFCA	NO	CICS	NO	
PPAPTFKS	YES	CICS	PACKAGE	
PPAPTFLF	NO	CICS	NO	
PPAPTFPU	YES	CICS	PACKAGE	
PPAPTFSR	NO	CICS	NO	
PPAPTFUP	YES	CICS	PACKAGE	
PPAPTRSR	NO	CICS	NO	
PPAPTRUP	YES	CICS	PACKAGE	
PPAUDTHF	YES	CICS	PACKAGE	
PPAXDCHG	NO	BATCH	NO	
PPAXDFET	NO	DUAL	NO	
PPAXDUPD	YES	DUAL	PACKAGE	
PPAXDUTL	NO	DUAL	NO	

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Modified Program	DB2?	Compile	Package Bind?	Done?
PPBUTUT2	YES	DUAL	PACKAGE	
PPCB01	YES	DUAL	PACKAGE	
PPCPAFSR	NO	BATCH	NO	
PPCPAPAY	NO	BATCH	NO	
PPDB2PAR	NO	BATCH	NO	
PPDISUTW	YES	DUAL	PACKAGE	
PPDSTFET	YES	BATCH	NO	
PPDSTHST	NO	BATCH	NO	
PPDSTUPD	YES	BATCH	NO	
PPDXSALR	YES	DUAL	PACKAGE	
PPDXSTN2	YES	DUAL	PACKAGE	
PPDXSTND	YES	DUAL	PACKAGE	
PPEA001	YES	DUAL	PACKAGE	
PPEA002	YES	DUAL	NO	
PPEC051	YES	DUAL	PACKAGE	
PPEC052	YES	DUAL	PACKAGE	
PPEC053	YES	DUAL	PACKAGE	
PPEC054	YES	DUAL	PACKAGE	
PPEC110	YES	DUAL	PACKAGE	
PPEC715	YES	DUAL	PACKAGE	
PPEC716	YES	DUAL	NO	
PPEDBRTI	NO	DUAL	NO	
PPEDTFT	YES	DUAL	PACKAGE	
PPEDTLAR	NO	DUAL	NO	
PPEDTPAY	YES	DUAL	PACKAGE	
PPEDTPDR	YES	DUAL	PACKAGE	
PPEDTRPT	NO	BATCH	NO	
PPEDTRST	YES	DUAL	PACKAGE	

**Generic Full Accounting Unit
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Modified Program	DB2?	Compile	Package Bind?	Done?
PPEDTSBU	NO	DUAL	NO	
PPEDTTEX	NO	DUAL	NO	
PPEI051	YES	DUAL	PACKAGE	
PPEI052	YES	DUAL	PACKAGE	
PPEI053	NO	DUAL	NO	
PPEI100	YES	DUAL	PACKAGE	
PPEI203	NO	DUAL	NO	
PPEI403	YES	DUAL	PACKAGE	
PPEI503	YES	DUAL	PACKAGE	
PPEM003	YES	DUAL	PACKAGE	
PPEM106	YES	DUAL	PACKAGE	
PPEM112	YES	DUAL	PACKAGE	
PPEM117	YES	DUAL	NO	
PPEUDEXT	YES	CICS	PACKAGE	
PPEULOAD	YES	CICS	PACKAGE	
PPEXPTLA	YES	DUAL	PACKAGE	
PPEXPTRN	YES	DUAL	PACKAGE	
PPFAU016	NO	BATCH	NO	
PPFAU120	NO	BATCH	NO	
PPFBAFET	NO	DUAL	NO	
PPFBAUPD	YES	DUAL	PACKAGE	
PPFBAUTL	YES	DUAL	PACKAGE	
PPFBAUTW	YES	DUAL	PACKAGE	
PPGETHFO	YES	CICS	PACKAGE	
PPGETTIM	YES	CICS	PACKAGE	
PPGRSAUP	NO	BATCH	NO	
PPGRSCBD	NO	BATCH	NO	
PPGRSCOH	NO	BATCH	NO	

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Modified Program	DB2?	Compile	Package Bind?	Done?
PPGRSERN	NO	BATCH	NO	
PPGRSFIN	NO	BATCH	NO	
PPGRSLVE	NO	BATCH	NO	
PPGRSPAR	NO	BATCH	NO	
PPGRSRP3	NO	BATCH	NO	
PPGRSRP5	NO	BATCH	NO	
PPGRSRVW	NO	BATCH	NO	
PPGRSTIM	NO	BATCH	NO	
PPGTNHUP	YES	BATCH	NO	
PPGTNUT1	NO	BATCH	NO	
PPHCUUTL	YES	BATCH	NO	
PPHRMGR	YES	CICS	PACKAGE	
PPI730	YES	BATCH	NO	
PPINAFP	NO	DUAL	NO	
PPIRANGE	NO	BATCH	NO	
PPLATUTL	YES	BATCH	NO	
PPLVASM	NO	BATCH	NO	
PPNTAPPT	YES	DUAL	PACKAGE	
PPNTDRA	YES	DUAL	PACKAGE	
PPNTEDAP	NO	DUAL	NO	
PPNTEDDD	NO	DUAL	NO	
PPNTEDFT	NO	DUAL	NO	
PPNTEDLA	NO	DUAL	NO	
PPNTEDLR	NO	DUAL	NO	
PPNTEDRA	NO	DUAL	NO	
PPNTEDTL	NO	DUAL	NO	
PPNTEDTM	NO	DUAL	NO	
PPNTEDTS	NO	DUAL	NO	

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Modified Program	DB2?	Compile	Package Bind?	Done?
PPNTHIRE	YES	DUAL	PACKAGE	
PPNTTRG	YES	DUAL	NO	
PPOPTR01	YES	DUAL	PACKAGE	
PPORAUDT	YES	CICS	NO	
PPORCNCL	YES	CICS	NO	
PPORGUTL	NO	BATCH	NO	
PPOROVPY	YES	CICS	NO	
PPORRVSL	YES	CICS	NO	
PPP010	NO	BATCH	NO	
PPP125	YES	BATCH	NO	
PPP130	YES	BATCH	NO	
PPP170	YES	BATCH	NO	
PPP250	YES	BATCH	NO	
PPP270	YES	BATCH	NO	
PPP290	YES	BATCH	NO	
PPP300	YES	BATCH	NO	
PPP305	NO	BATCH	NO	
PPP320	YES	BATCH	NO	
PPP330	YES	BATCH	NO	
PPP345	YES	BATCH	NO	
PPP350	YES	BATCH	NO	
PPP360	YES	BATCH	NO	
PPP370	YES	BATCH	NO	
PPP380	YES	BATCH	NO	
PPP390	YES	BATCH	NO	
PPP400	YES	BATCH	NO	
PPP420	YES	BATCH	NO	
PPP440	YES	BATCH	NO	

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Modified Program	DB2?	Compile	Package Bind?	Done?
PPP445	YES	BATCH	NO	
PPP450	YES	BATCH	NO	
PPP470	YES	BATCH	NO	
PPP480	YES	BATCH	NO	
PPP490	YES	BATCH	NO	
PPP510	NO	BATCH	NO	
PPP520	YES	BATCH	NO	
PPP530	YES	BATCH	NO	
PPP533	YES	BATCH	NO	
PPP534	NO	BATCH	NO	
PPP535	YES	BATCH	NO	
PPP540	YES	BATCH	NO	
PPP541	YES	BATCH	NO	
PPP542	YES	BATCH	NO	
PPP543	YES	BATCH	NO	
PPP544	YES	BATCH	NO	
PPP545	YES	BATCH	NO	
PPP620	YES	BATCH	NO	
PPP627	YES	BATCH	NO	
PPP640	YES	BATCH	NO	
PPP670	YES	BATCH	NO	
PPP680	YES	BATCH	NO	
PPP700	YES	BATCH	NO	
PPP710	YES	BATCH	NO	
PPP713	YES	BATCH	NO	
PPP741	YES	BATCH	NO	
PPP851	YES	BATCH	NO	
PPP875	YES	BATCH	NO	

**Generic Full Accounting Unit
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Modified Program	DB2?	Compile	Package Bind?	Done?
PPP876	YES	BATCH	NO	
PPP877	NO	BATCH	NO	
PPP910	YES	BATCH	NO	
PPP911	YES	BATCH	NO	
PPP912	YES	BATCH	NO	
PPP920	NO	BATCH	NO	
PPP925	YES	BATCH	NO	
PPP930	YES	BATCH	NO	
PPP940	YES	BATCH	NO	
PPP960	YES	BATCH	NO	
PPP980	YES	BATCH	NO	
PPP990	NO	BATCH	NO	
PPPBLS	YES	BATCH	NO	
PPPGSR01	YES	DUAL	PACKAGE	
PPPVREDO	YES	CICS	PACKAGE	
PPRCABEY	YES	BATCH	NO	
PPRCAUDT	YES	CICS	PACKAGE	
PPRCGRSS	YES	CICS	PACKAGE	
PPRCNET	YES	CICS	PACKAGE	
PPRCOPT3	YES	CICS	PACKAGE	
PPRCVEND	YES	CICS	PACKAGE	
PPRCVNDR	YES	BATCH	NO	
PPRCVNDR	YES	BATCH	NO	
PPSPPEP	YES	BATCH	NO	
PPSPPHS	YES	BATCH	NO	
PPTHFINT	YES	CICS	NO	
PPTIME	YES	BATCH	NO	
PPVRTHFO	NO	CICS	NO	

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Modified Program	DB2?	Compile	Package Bind?	Done?
PPWCNCL	YES	CICS	PACKAGE	
PPWEAPC	YES	CICS	PACKAGE	
PPWEAPP	YES	CICS	PACKAGE	
PPWECON	YES	CICS	PACKAGE	
PPWEDHC	YES	CICS	PACKAGE	
PPWEDTL	YES	CICS	PACKAGE	
PPWEDTM	YES	CICS	PACKAGE	
PPWEDTS	YES	CICS	PACKAGE	
PPWETAP	YES	CICS	PACKAGE	
PPWETDA	YES	CICS	PACKAGE	
PPWETDD	YES	CICS	PACKAGE	
PPWETFT	YES	CICS	PACKAGE	
PPWETHA	YES	CICS	PACKAGE	
PPWETLA	YES	CICS	PACKAGE	
PPWETLR	YES	CICS	PACKAGE	
PPWETRA	YES	CICS	PACKAGE	
PPWETSB	YES	CICS	PACKAGE	
PPWETTE	YES	CICS	PACKAGE	
PPWETTX	YES	CICS	PACKAGE	
PPWETUB	YES	CICS	PACKAGE	
PPWEUCI	YES	CICS	NO	
PPWHADC	YES	CICS	PACKAGE	
PPWHADF	YES	CICS	PACKAGE	
PPWHAWD	YES	CICS	PACKAGE	
PPWHSLV	YES	CICS	PACKAGE	
PPWIAPP	YES	CICS	PACKAGE	
PPWIAPT	YES	CICS	PACKAGE	
PPWIAWD	YES	CICS	PACKAGE	

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Modified Program	DB2?	Compile	Package Bind?	Done?
PPWIDST	YES	CICS	PACKAGE	
PPWIDTC	YES	CICS	PACKAGE	
PPWIERN	YES	CICS	PACKAGE	
PPWIPIC	YES	CICS	NO	
PPWITTL	YES	CICS	NO	
PPWIUCI	YES	CICS	PACKAGE	
PPWOVPY	YES	CICS	PACKAGE	
PPWRC10	YES	CICS	PACKAGE	
PPWRC11	YES	CICS	PACKAGE	
PPWRC30	YES	CICS	PACKAGE	
PPWRVSL	YES	CICS	PACKAGE	
PPWSPUT2	YES	DUAL	PACKAGE	
UCPPPPAR	YES	CICS	PACKAGE	
USER08	YES	DUAL	PACKAGE	
USER12	YES	DUAL	PACKAGE	

Modified Programs

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2. Compile and link the **unmodified** programs listed in the following table.

Unmodified Program	DB2?	Compile	Package Bind?	Done?
PPAPETSR	NO	CICS	NO	
PPAPETUP	YES	CICS	PACKAGE	
PPAPEUFE	YES	CICS	PACKAGE	
PPAPEULF	YES	CICS	NO	
PPAPEUPU	YES	CICS	PACKAGE	
PPAPEUSR	YES	CICS	PACKAGE	
PPAPHDUP	YES	CICS	PACKAGE	
PPAPHRKS	YES	CICS	PACKAGE	
PPAPORFH	NO	CICS	NO	
PPAPORFP	YES	CICS	NO	
PPAPORIH	NO	CICS	NO	
PPAPORKS	YES	CICS	PACKAGE	
PPAPORNF	YES	CICS	NO	
PPAPORSR	YES	CICS	NO	
PPAPPIFH	YES	CICS	PACKAGE	
PPAPPIFP	YES	CICS	PACKAGE	
PPAPPIKS	YES	CICS	PACKAGE	
PPAPPINF	YES	CICS	NO	
PPAPPISR	YES	CICS	NO	
PPAPTDST	YES	DUAL	PACKAGE	
PPAPTLAC	NO	BATCH	NO	
PPAPTRAT	NO	DUAL	NO	
PPAPTRFH	NO	CICS	NO	
PPAPTRIH	NO	CICS	NO	
PPAPTRKS	YES	CICS	PACKAGE	
PPAPTRLF	YES	CICS	NO	

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Unmodified Program	DB2?	Compile	Package Bind?	Done?
PPAPTRNF	YES	CICS	NO	
PPAWDFET	YES	BATCH	NO	
PPAWDHST	NO	BATCH	NO	
PPAWDUPD	YES	BATCH	NO	
PPAWRFET	NO	DUAL	NO	
PPAWRUPD	YES	DUAL	NO	
PPAWRUTL	YES	DUAL	PACKAGE	
PPAWRUTW	YES	DUAL	PACKAGE	
PPBRSC	YES	DUAL	PACKAGE	
PPBUTUTL	NO	BATCH	NO	
PPCB02	NO	BATCH	NO	
PPCPAPDR	NO	BATCH	NO	
PPDETUTL	YES	DUAL	PACKAGE	
PPDXAPPT	YES	DUAL	PACKAGE	
PPDXSABB	YES	DUAL	PACKAGE	
PPEC001	YES	DUAL	PACKAGE	
PPEC002	YES	DUAL	PACKAGE	
PPEC005	YES	DUAL	PACKAGE	
PPEC139	YES	DUAL	NO	
PPEC601	YES	DUAL	PACKAGE	
PPEC604	YES	DUAL	PACKAGE	
PPEC605	YES	DUAL	NO	
PPEC608	YES	DUAL	PACKAGE	
PPEC609	YES	DUAL	PACKAGE	
PPEC611	YES	DUAL	PACKAGE	
PPEC701	YES	DUAL	NO	
PPEC702	YES	DUAL	PACKAGE	
PPEC703	YES	DUAL	PACKAGE	

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Unmodified Program	DB2?	Compile	Package Bind?	Done?
PPEC704	YES	DUAL	NO	
PPEC705	YES	DUAL	PACKAGE	
PPEC706	YES	DUAL	PACKAGE	
PPEC707	YES	DUAL	PACKAGE	
PPEC708	YES	DUAL	PACKAGE	
PPEC709	YES	DUAL	NO	
PPEC711	NO	DUAL	NO	
PPEC712	NO	DUAL	NO	
PPEC713	NO	DUAL	NO	
PPEC714	NO	DUAL	NO	
PPEC722	YES	DUAL	NO	
PPEC723	YES	DUAL	NO	
PPEC724	YES	DUAL	NO	
PPEC725	YES	DUAL	NO	
PPEC770	YES	DUAL	PACKAGE	
PPEDBCRL	NO	DUAL	NO	
PPEDBNIL	NO	DUAL	NO	
PPEDTADJ	YES	DUAL	PACKAGE	
PPEI001	NO	DUAL	NO	
PPEI002	NO	DUAL	NO	
PPEI003	NO	DUAL	NO	
PPEI005	NO	DUAL	NO	
PPEI147	YES	DUAL	NO	
PPEI300	YES	DUAL	PACKAGE	
PPEI502	YES	DUAL	PACKAGE	
PPEI505	YES	DUAL	PACKAGE	
PPEI506	YES	DUAL	PACKAGE	
PPEI507	YES	DUAL	PACKAGE	

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Unmodified Program	DB2?	Compile	Package Bind?	Done?
PPEI709	YES	DUAL	PACKAGE	
PPEI717	YES	DUAL	PACKAGE	
PPEI720	YES	DUAL	NO	
PPEM107	YES	DUAL	NO	
PPEM118	YES	DUAL	NO	
PPEM721	NO	BATCH	NO	
PPEMPSTA	YES	DUAL	NO	
PPEXECLF	YES	DUAL	PACKAGE	
PPEXECSP	YES	DUAL	PACKAGE	
PPEXERPT	YES	DUAL	NO	
PPFICRET	YES	DUAL	NO	
PPGTNFET	YES	BATCH	NO	
PPGTNHFT	YES	BATCH	NO	
PPGTNHST	YES	BATCH	NO	
PPHDBCNT	YES	BATCH	NO	
PPHSTPRG	YES	BATCH	NO	
PPIDXHST	YES	BATCH	NO	
PPIMERIT	NO	BATCH	NO	
PPKEYCHD	YES	DUAL	PACKAGE	
PPLVHRS	NO	BATCH	NO	
PPNETCLC	YES	DUAL	NO	
PPNETDED	NO	DUAL	NO	
PPNETDTK	NO	DUAL	NO	
PPNETPDT	NO	DUAL	NO	
PPNETPRE	NO	DUAL	NO	
PPNETREF	NO	DUAL	NO	
PPNETSMC	NO	DUAL	NO	
PPNETSUS	NO	DUAL	NO	

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Unmodified Program	DB2?	Compile	Package Bind?	Done?
PPORADVC	YES	CICS	PACKAGE	
PPORDLTE	YES	CICS	PACKAGE	
PPOROVRD	YES	CICS	PACKAGE	
PPP040	YES	BATCH	NO	
PPP050	YES	BATCH	NO	
PPP080	YES	BATCH	NO	
PPP120	YES	BATCH	NO	
PPP340	YES	BATCH	NO	
PPP410	YES	BATCH	NO	
PPP430	YES	BATCH	NO	
PPP436	YES	BATCH	NO	
PPP460	YES	BATCH	NO	
PPP465	YES	BATCH	NO	
PPP500	YES	BATCH	NO	
PPP560	YES	BATCH	NO	
PPP570	YES	BATCH	NO	
PPP580	YES	BATCH	NO	
PPP590	YES	BATCH	NO	
PPP591	YES	BATCH	NO	
PPP625	YES	BATCH	NO	
PPP685	YES	BATCH	NO	
PPP690	YES	BATCH	NO	
PPP711	YES	BATCH	NO	
PPP712	YES	BATCH	NO	
PPP742	YES	BATCH	NO	
PPP760	YES	BATCH	NO	
PPP765	YES	BATCH	NO	
PPP790	YES	BATCH	NO	

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Unmodified Program	DB2?	Compile	Package Bind?	Done?
PPP860	YES	BATCH	NO	
PPP861	YES	BATCH	NO	
PPP864	YES	BATCH	NO	
PPP870	YES	BATCH	NO	
PPP900	YES	BATCH	NO	
PPP970	NO	BATCH	NO	
PPPBELI	YES	DUAL	PACKAGE	
PPPGSR02	YES	CICS	PACKAGE	
PPPTITLE	YES	DUAL	PACKAGE	
PPPVREDT	YES	BATCH	NO	
PPRCADVC	YES	CICS	PACKAGE	
PPRCMDL2	YES	CICS	PACKAGE	
PPRCOPT1	YES	CICS	PACKAGE	
PPRCOPT2	YES	CICS	PACKAGE	
PPTHFGM	YES	CICS	PACKAGE	
PPUNLQUE	YES	BATCH	NO	
PPWDLTE	YES	CICS	PACKAGE	
PPWEAWD	YES	CICS	NO	
PPWEEID	YES	CICS	PACKAGE	
PPWIADJ	YES	CICS	PACKAGE	
PPWIBRS	YES	CICS	PACKAGE	
PPWICH2	YES	CICS	PACKAGE	
PPWICHK	YES	CICS	PACKAGE	
PPWIDDN	YES	CICS	PACKAGE	
PPWIDSP	YES	CICS	PACKAGE	
PPWIGRS	YES	CICS	PACKAGE	
PPWOVRD	YES	CICS	PACKAGE	
PPWRC20	YES	CICS	PACKAGE	

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Unmodified Program	DB2?	Compile	Package Bind?	Done?
PPWRC21	YES	CICS	PACKAGE	
PPWRCAD	YES	CICS	PACKAGE	
PPWRCAI	YES	CICS	PACKAGE	
PPWRCO2	YES	CICS	PACKAGE	
PPWRCOV	YES	CICS	PACKAGE	
PPWRLSE	YES	CICS	PACKAGE	
USER06	YES	DUAL	PACKAGE	
USER17	YES	BATCH	NO	

Unmodified Programs

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3. Install, compile and link the **new** programs listed in the following table.

New Program	DB2?	Compile	Package Bind?	Done?
PPDUCUTL	YES	BATCH	NO	
PPFAU001	NO	DUAL	NO	
PPFAU002	NO	DUAL	NO	
PPFAU003	NO	BATCH	NO	
PPFAU004	NO	BATCH	NO	
PPFAU005	NO	BATCH	NO	
PPFAU006	NO	BATCH	NO	
PPFAU007	NO	DUAL	NO	
PPFAU008	NO	DUAL	NO	
PPFAU009	NO	BATCH	NO	
PPFAU010	NO	BATCH	NO	
PPFAU011	YES	DUAL	NO	
PPFAU012	NO	DUAL	NO	
PPFAU014	NO	DUAL	NO	
PPFAU015	NO	DUAL	NO	
PPFAU017	YES	BATCH	NO	
PPFAU018	YES	DUAL	PACKAGE	
PPFAU019	YES	BATCH	NO	
PPFAU020	NO	DUAL	NO	
PPFAU021	YES	BATCH	NO	
PPFAU022	NO	DUAL	NO	
PPFAU023	NO	DUAL	NO	
PPFAU024	YES	BATCH	NO	
PPFAU025	YES	BATCH	NO	
PPFAU026	NO	BATCH	NO	
PPFAU027	NO	BATCH	NO	

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New Program	DB2?	Compile	Package Bind?	Done?
PPFAU029	NO	BATCH	NO	
PPFAU030	NO	BATCH	NO	
PPFAU031	NO	BATCH	NO	
PPFAU032	YES	BATCH	NO	
PPFAU033	YES	BATCH	NO	
PPFAU036	NO	BATCH	NO	
PPFAU101	NO	DUAL	NO	
PPFAU102	NO	DUAL	NO	
PPFAU103	NO	BATCH	NO	
PPFAU105	NO	BATCH	NO	
PPFAU106	NO	BATCH	NO	
PPFAU107	NO	BATCH	NO	
PPFAU108	NO	BATCH	NO	
PPFAU109	NO	BATCH	NO	
PPFAU110	NO	BATCH	NO	

New Programs

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4. Install, compile and link the **one-time** programs listed in the following table.

One-Time Program	DB2?	Compile	Package Bind?	Done?
PPCNVPAR	YES	BATCH	NO	
PPO1138A	NO	BATCH	NO	
PPO1138B	NO	BATCH	NO	
PPO1138C	NO	BATCH	NO	
PPO1138D	YES	BATCH	NO	
PPO1138E	YES	BATCH	NO	
PPO1138F	YES	BATCH	NO	
PPO1138G	NO	BATCH	NO	
PPO1138H	YES	BATCH	NO	
PPO1138I	YES	BATCH	NO	
PPO1138J	YES	BATCH	NO	
PPO1138K	YES	BATCH	NO	
PPO1138L	YES	BATCH	NO	
PPO1138M	NO	BATCH	NO	
PPO1138N	NO	BATCH	NO	
PPO1138O	YES	BATCH	NO	
PPO1138P	YES	BATCH	NO	
PPO1138Q	YES	BATCH	NO	
PPO1138R	NO	BATCH	NO	
PPO1138S	NO	BATCH	NO	
PPO1138T	NO	BATCH	NO	

One-Time Programs

FOCUS Masters

1. Install the FOCUS Masters in the following table.

FOCMAST Member	Done?
CPWSXFIN	
PPPVZDIS	

Plan Binds

1. Bind the plans in the following table.

Bind Member	Done?
PPI730	
PPP010	
PPP040	
PPP050	
PPP080	
PPP100	
PPP120	
PPP125	
PPP130	
PPP170	
PPP250	
PPP270	
PPP290	
PPP300	
PPP320	
PPP330	
PPP340	
PPP345	
PPP350	
PPP360	
PPP370	
PPP380	

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Bind Member	Done?
PPP390	
PPP400	
PPP410	
PPP420	
PPP436	
PPP440	
PPP445	
PPP450	
PPP465	
PPP470	
PPP480	
PPP490	
PPP520	
PPP530	
PPP533	
PPP534	
PPP535	
PPP541	
PPP542	
PPP543	
PPP544	
PPP545	
PPP560	
PPP570	
PPP580	
PPP590	

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Bind Member	Done?
PPP591	
PPP610	
PPP620	
PPP625	
PPP627	
PPP640	
PPP670	
PPP680	
PPP685	
PPP690	
PPP700	
PPP710	
PPP711	
PPP712	
PPP713	
PPP722	
PPP741	
PPP742	
PPP743	
PPP744	
PPP750	
PPP760	
PPP765	
PPP790	
PPP810	
PPP830	

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Bind Member	Done?
PPP851	
PPP860	
PPP861	
PPP863	
PPP864	
PPP870	
PPP875	
PPP876	
PPP900	
PPP910	
PPP925	
PPP960	
PPP980	
PPP990	
PPRCABEY	
PPRCVNDR	
PPUNLQUE	

2. Bind the one-time plans in the following table.

Bind Member	Done?
PPCNVPAR	
PPO1138D	
PPO1138E	
PPO1138F	
PPO1138G	

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Bind Member	Done?
PPO1138L	
PPO1138O	
PPO1138Q	

CICS Resource Definition

1. Change the *GROUPID* in CARDLIB(RDO1138) to the appropriate Group ID.
2. Use the transactions in CARDLIB(RDO1138) to define the new programs to CICS. (refer to sample JCL(LOADRDO)). Install the new programs and in the CICS region.

Program	Defined?	Installed?
PPFAU001		
PPFAU002		
PPFAU004		
PPFAU007		
PPFAU008		
PPFAU011		
PPFAU012		
PPFAU015		
PPFAU018		
PPFAU020		
PPFAU022		
PPFAU023		
PPFAU034		
PPFAU101		
PPFAU102		

CICS Help Text

No Help Text or anchor changes were made at this time.

Testing

Perform installation verification testing as described in the Test Plan.

Forms and Data Entry

Several forms have been changed, which also require changes in data entry record layouts and instructions.

Form	Description
UPAY539	Overpayment Underpayment Worksheet
UPAY543B	Payroll Adjustment Worksheet II
UPAY543C	Payroll Adjustment Worksheet III
UPAY545	Gross-to-Net Table
UPAY564	One-Time Payroll Payment Authorization
UPAY580	Payroll Modification Worksheet
UPAY590	Mass FAU Change Worksheet
UPAY640A	Payroll Maintenance Worksheet I
UPAY640D	Payroll Maintenance Worksheet IV
UPAY640E.	Payroll Maintenance Worksheet V
UPAY644A	Payroll Time Reporting Worksheet
UPAY644B.	Special Payroll Time Reporting Worksheet
UPAY644C	Payroll Additional Pay Time Reporting Worksheet
UPAY644D.	Payroll Time Reporting Adjustment Worksheet
UPAY644E	Expanded Payroll Time Reporting Worksheet
UPAY644F.	Expanded Special Payroll Time Reporting Worksheet
UPAY646.	Payroll Expenditure Transfer
UPAY682	Costing Designated Fund Table
UPAY685	Costing Non-Designated Fund Table
UPAY686	Performance/Incentive Award Costing Transaction
UPAY719	Leave Accrual Table
UPAY721	Work Study Program Table
UPAY725	Timesheet Reprint Request
UPAY755	Health Science Severance Pay Contribution Unit Table

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Form	Description
UPAY773.	Payroll Expenditure Single Transfer
UPAY774	Payroll Expenditure Mass Transfer
UPAY807.	Leave Accrual Transfer
UPAY817	Awards
UPAY822	University Contribution Indicator Worksheet
UPAY841	Academic Programmatic Unit Table
UPAY866	Fund Group Table

JCL

Only the creating program is listed for JCL changes. If using DCB information for later reads, then that JCL must also be changed.

1. PPP300:

TIMEFILE LRECL=168

2. PPP350: The 102 byte Pay Transaction has been expanded 18 bytes to 120 bytes. The 118 byte expanded Pay Transaction has been expanded 18 bytes to 136 bytes.

PAYTRANS LRECL=120

WPAYTRAN LRECL=136

PAYACTIV LRECL=154

TIMEOUT LRECL=168

WORKFIL LRECL=154

3. PPP380:

CPA LRECL=12880

WORKFIL LRECL=52

4. PPP390:

PRELMPAR LRECL=13402

5. PPP400:

PAYAUDIT LRECL=13402

6. PPP460

PARMERG LRECL=13402

7. PPP520:

EXPDIST LRECL=7268

8. PPP530:

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RVRSLIN	LRECL=70
RVRSLOT	LRECL=70
TOEUPDT	LRECL=134
P5302FL	LRECL=185
GLTXN	LRECL=102

9. **PPP544:**

GLCSER	LRECL=102
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10. **PPP545:**

GLCSER	LRECL=102
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11. **PPP876**

MERGEDFL	LRECL=302
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12. **PPRCVNDR:**

VNDRFL	LRECL=181
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13. **PPP533**

IAPOUT	LRECL=38
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14. **PPP670**

MERXTRCT	LRECL=172
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15. **PPP910**

PLMTRNOT	LRECL=277
PRTWORK	LRECL=289
SORTPRT	LRECL=289

16. **PPP911**

PLMTRNOT	LRECL=281
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17. **PPP930**

PLMTRNOT	LRECL=232
REPTOUT	LRECL=206
RATRANS	LRECL=120

18. **PPP980**

FSRFILE	LRECL=168
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19. **PPP877**

MERGEDFL	LRECL=302
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20. **PPP040**

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GRADREC LRECL=740

21. PPP120

GRADREC LERCL=740

22. Create JCL for the one-time programs. Each can run separately, though the sample JCL in CONV* JCL members combines by database.

One-Time Program	Table	Sample JCL	JCL Created?
PPO1138A	PPPDIS	CONVEDB	
PPO1138B	PPPDST	CONVHDB	
PPO1138C	PPPFBA	CONVEDB	
PPO1138D	PPPERN	CONVPAR	
PPO1138E	PPPTOE	CONVETH	
PPO1138F	PPPEUD	CONVPAR	
PPO1138G	Various VSAM	PPO1138G	
PPO1138H	PPPABD	CONVABY	
PPO1138I	PPPABE	CONVABY	
PPO1138J	PPPABF	CONVABY	
PPO1138K	PPPTHF	CONVTHF	
PPO1138L	Various VSAM	PPO1138L	
PPO1138M	PPPAWR	CONVEDB	
PPO1138N	PPPAWD	CONVHDB	
PPO1138O	IAP File	PPO1138O	
PPO1138P	PPPGTNH	CONVCDB	
PPO1138Q	Fin Rvrsl file	PPO1138Q	
PPO1138R	FinAid YTD	PPO1138R	
PPO1138S	PPPTHF	CONVTHF	
PPO1138T	PPPTIM	CONVTHF	
PPO1138U	PPP5302 TOE update file	PPO1138U	

Install in Production

1. Run PPP010 to update the following VSAM CTL tables:

Data Element Table: Either key from the provided UPAY553 form facsimile, or use the transactions in CARDLIB(DET1138).

System Messages Table: Either key from the provided UPAY554 form facsimile, or use the transactions in CARDLIB(MSG1138). Also apply CARDLIB(MSG1142) or UPAY554 facsimile as per Release 1142.

Fund Group Table: Obtain from the Payroll Office and key UPAY866 transactions to update the 'UIRATE' and 'UIDFLT' Grouping Definition records on the PPPFND table. The transactions update the Group Text fields with matching Unemployment Insurance Balance Sheet FAU's. Do **not** use the transactions in CARDLIB(FND1138); local FAU's may differ.

Entries for the Fund Grouping Definition "BNOFFSET" are not created automatically by one-time program PPO1138L and must be entered by local update (UPAY866). They define funding qualifications for special staff benefit offset charges (i.e., 19900 funding) and are not required for campuses which do not employ this special benefit funding. For campuses that do use this funding, a "BNOFFSET" entry should be created for each Fund or Fund Range which qualifies for the funding (e.g., 19900-19900); refer to the source code in your pre-Release 1138 version of PPP530 for these Funds (see code just prior to EXIT-2189). An example of these updates are contained in CARDLIB (FNDTEST). Also note that Account Number conversion for these staff benefits was previously hardcoded in Section DAVIS-STAFF-ACCT-CHANGES-2196 or Section SF-STAFF-ACCT-CHANGES-2198 (for UCD or UCSF, respectively). These Account Number conversions are now contained in module PPFAU106. The base version of PPFAU106 contains the Account Numbers thought to be related to the UCSF campus. However, the local pre-Release 1138 version of PPP530 should be examined and the associated Account Numbers should be applied to the local version of PPFAU106.

Report Definition Table: Obtain from the Payroll Office and key UPAY572 transactions to define the FAU fields for the Personnel Action Form(PAF) on the PPPRDT table. Do **not** use the transactions in CARDLIB(RDT1138); local PAF's may differ.

System Parameter Table: If your campus utilizes staff benefit offset charges for 19900 funds, update System Parameter #159 to a value of '1' as per the provided UPAY559 form facsimile or the transaction in CARDLIB (PRM1138). Otherwise (your campus does not utilize staff benefit offset charges for 19900 funds), System Parameter #159 should be set to a value of zero. Note that the easiest way to determine whether or not your campus employs staff benefit offset charges is to examine your pre-Release 1138 version of

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PPP530. The base source code just prior to EXIT-2189 essentially indicates that when the Location is 2 (UCSF) or 3 (UCD) then perform SPCL-FUND-BENE-OFFSETS-2192 when the Fund is 19900 or perform GENERAL-BENE-OFFSETS-2194 when the Fund is not 19900. Both UCSF and UCD employ staff benefit offset charges; therefore, for these campuses, System Parameter #159 should be set to a value of '1'. For other campuses, if local code in this area has been modified to achieve the same logic, then your campus also employs staff benefit offset charges, so the parameter should also be set to '1'. Otherwise, System Parameter #159 should be set to a value of zero.

Also apply System Parameter 160 as per Release 1142; this parameter affects processing in PPP535. If the local FAU structure is the same as the Base FAU structure, use the Release 1142 UPAY559 form facsimile, or use the transactions in CARDLIB(PRM1142). If NOT using the Base FAU structure, change the parameter transaction value to "1".

2. Run PPP851 to update the following DB2 CTL tables.

- Data Element Table (06)

- System Messages Table (08)

- Fund Group Table (41)

3. Run PPP006 to update the following DB2 tables.

- Data Element to Screen Table: Either key from the provided UPAY815 form facsimile, or use the transactions in CARDLIB(DES1138).

4. Use the UHDE online function to update the History Data Element Table (PPPHDE).

- Delete, or make obsolete distribution FAU data elements 2042, 2044, 2045, 2046 and 2048 (PPPDST table). Change the FAU data element 2043 to define its length as 30 and its title as Full_Acct_Unit.

- Change the Award Source data element 0745 (PPPAWD table) to define its length as 30.

4. Update the production JCL.

5. Install all the objects in Production.

6. Run all the one-time programs to convert the data.

7. On its regular schedul, run PPP640 in "Refresh" mode with the new format of the PAR file. This will load data into the new PPPLLI table format.

7. Redefine data entry instructions/procedures for new transaction formats.

8. Distribute the new forms per local procedures.

Obsolete

Follow local procedures to remove the following obsolete objects.

- 1) Copymembers
 - CPPDXGTZ
 - CPPDXLAC
 - CPPDXLAL
 - CPPDXLAR
 - CPWSXIC3
 - CPWSXSPT