

Release 1649

**Service Request 81192
PPS Sub-location Expansion**

Detail Design

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6/10/05

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Introduction

Service Request 81192 - PPS Sub-Location Expansion

The service request asks that the following change be made to PPS.

The Payroll/Personnel System (PPS) carries a sub-location data element in three places: the Title Code Table, the Home Department Table, and the Employee Database (EDB). The sub-location on the EDB is at the appointment level, and is derived from the Home Department Table by looking up the sub-location value associated with the Appointment Department.

Certain processes in PPS limit the number of sub-locations that may be used to a maximum of four. It has been requested that PPS be modified to eliminate this limit.

Error Report #1954 - EA subloc never added to PPP900

In release 1562, changes were made to support a new sub-location value of "EA" for UCLA. That change was never made to program PPP900 that processes the Payscale files from TCS. Payscale records with EA sub-loc are rejected by PPP900.

In meeting the requirements of the service request, the validation of sub-location will be removed. Therefore, this error report will no longer need to be addressed.

Error Report #1956 - Sub-location and TOC Rates

While testing the implementation of sub-location codes, UCLA noted that TOC rates in the TCT were not retrieved properly for sub-locations that did not have sub-location-specific rates. For example, a request for a TOC rate for sub-location MD for a title that had rates for only sub-locs OP and GN did not return the correct rate; it should have returned the GN rate.

This problem will be corrected by changing code in PPTCTUTL so that the sub-location specified in a DB2 Select defaults to GN or ** when the specified sub-location is not found.

Error Report #1965 - Incorrect Page Number on 2 reports dealing with sub-location assignments

The zero suppression on the page numbers is not working correctly on the following two reports.

Employees with Changing Sub-Locations - PPP9951
Distributions with conflicting Sub-Locations - PPP9952

The fields that hold the page number for the heading need to be expanded from 4 characters to 6 characters.

Error Report #1968 - Merit Report Id and Update of the Cycle Status

The 7th position of the report id was missing from the report header of PPP675. It should be PPP6751 but it shows up as just PPP675 (PPP675 /PPP675/052604). The same error is found in PPP676.

PPP675 changes the cycle status (from P to H, or F to S) at the start of processing rather than on completion. When running this program, if it is timed out because the recall of a DB2 object took too long when it is resubmitted it then fails because the status code is already set to indicate that the job finished successfully. Resetting the status in order to rerun requires either merit administration or raw DB2 update authority, neither of which a Production Control person is likely to have.

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The same was found with PPP676. There is no ROLLBACK. Therefore, if the program times out the update of the cycle status would remain and it would be very difficult to rerun the job.

Adding a ROLLBACK to the programs that would execute when the highest severity is greater than 7 will back out all updates including the cycle status. This will be done for both PPP675 and PPP676.

Modifications are required to PPP675 to meet the requirements of the service request. That is why this error report is part of this release.

Overview of PPS Modifications

PPS will be modified to eliminate the limit of four sub-locations. Three processes will be involved in this change.

- The validation of sub-location is hard-coded in PPS. The valid sub-location values are campus dependent and therefore, will be placed in a campus specific copy member. Any PPS program requiring sub-location validation will call a new program that will validate against the copy member.
- Programs that access the Title Code Tables through the common routine PPTCTUTL as well as PPTCTUTL itself will be changed to handle only one sub-location at a time instead of four. Primarily this change involves the elimination of one level of subscribing. Only those programs that access Title Code data at the sub-location level will require this change.
- The Web Merit Application includes stored procedures that also use PPTCTUTL to access the Title Code Tables in PPS. These programs will also require modification where they access the Title Code data at the sub-location level.

PPS will also be modified to correct the four error reports identified in the Introduction.

Programs

PPCTHMEE

PPCTHMEE is the Home Department Table (PPHME) edit module. It edits the transaction input to be used to update this table. Currently the valid values for sub-location are hard-coded in the program.

This program will be changed to use the new module PPSUBLED to validate the sub-location. The use of the PPPCCR external to determine the Campus-Location will be removed.

PPCTR11

PPCTR11 is the Home Department Table (PPHME) report module. The descriptions for the sub-locations are hard-coded in the program.

This program will be changed to read the PPPCTT (Code Translation Table) to get the descriptions for the sub-locations. This will replace the use of hard-coded descriptions found in the module.

PPCTSGTE

PPCTSGTE is the module that edits transaction input for the update of the Salary Grade Table (PPPSGT). Currently the valid values for sub-location are hard-coded in the program.

This program will be changed to use the new module PPSUBLED to validate the sub-location. The use of the PPPCCR external to determine the Campus-Location will be removed.

PPCTTGBE

PPCTTGBE is the module that edits transaction input for the update of the Title Grade Table (PPPTGB). Currently the valid values for sub-location are hard-coded in the program.

This program will be changed to use the new module PPSUBLED to validate the sub-location. The use of the PPPCCR external to determine the Campus-Location will be removed.

PPCTTORE

PPCTTORE is the module that edits transaction input for the update of the On-Call Rate Table (PPPTOR). Currently the valid values for sub-location are hard-coded in the program.

This program will be changed to use the new module PPSUBLED to validate the sub-location. The use of the PPPCCR external to determine the Campus- will be removed.

PPCTTRRE

PPCTTRRE is the module that edits transaction input for the update of the Rate Table (PPPTRR). Currently the valid values for sub-location are hard-coded in the program.

This program will be changed to use the new module PPSUBLED to validate the sub-location. The use of the PPPCCR external to determine the Campus will be removed.

PPCTTSBE

PPCTTSBE is the module that edits transaction input for the update of the Rate Set Table (PPPTSB). Currently the valid values for sub-location are hard-coded in the program.

This program will be changed to use the new module PPSUBLED to validate the sub-location. The use of the PPPCCR external to determine the Campus-Location will be removed.

PPCTTSLE

PPCTTSLE is the module that edits transaction input for the update of the Sub-Location Table (PPPTSL). Currently the valid values for sub-location are hard-coded in the program.

This program will be changed to use the new module PPSUBLED to validate the sub-location. The use of the PPPCCR external to determine the Campus-Location will be removed.

PPCTTSRE

PPCTTSRE is the module that edits transaction input for update of the Shift Differential Rate Table (PPPTSR). Currently the valid values for sub-location are hard-coded in the program.

This program will be changed to use the new module PPSUBLED to validate the sub-location. The use of the PPPCCR external to determine the Campus-Location will be removed.

PPCTT11

PPCTT11 is the program that assembles the transaction input for the update to the Home Department Table (PPPHME).

This module will be modified to remove the Campus-Location data (PPPCCR) as an EXTERNAL in the Working Storage section. It is no longer needed.

PPEC051

PPEC051 is the program that performs the minimum distribution consistency edits for the online EAPP function (Appointment and Distribution Update), the EAPC function (Appts./Distributions-Condense) and the corresponding batch file maintenance function.

This program will no longer have a sub-location level subscript for rate data returned from PPTCTUTL. The CCR external will also be removed since it is no longer necessary for the program to determine the campus location in setting the sub-location subscript.

PPEI053

PPEI053 is the program that performs miscellaneous distribution edits during the update function, online and batch.

This program will no longer have a sub-location level subscript for rate data returned from PPTCTUTL. The CCR external will also be removed since it is no longer necessary for the program to determine the campus location in setting the sub-location subscript.

PPP675

PPP675 is the program that performs the EDB Extract for Web Merit. It assumes four occurrences of rate data returned from PPTCTUTL and uses hard-coded sub-location values to set the subscript.

This program will no longer have a sub-location level subscript for rate data returned from PPTCTUTL. It will also be changed to correct errors identified in Error Report #1968. The report header will be corrected and a ROLLBACK will be added in order to prevent problems if the program fails.

PPP676

PPP676 is the program that generates the EDB Update Transactions from Web Merit tables.

It will be changed to correct errors identified in Error Report #1968. The report header will be corrected and a ROLLBACK will be added in order to prevent problems if the program run fails.

PPP900

PPP900 is the program that performs the update of the PPS Payscale file. Currently the valid values for sub-location are hard-coded in the program. The sub-location being validated is that on the Home Department Table (PPPHME).

This validation will be removed from the program. There is no need to validate the sub-location because the program used for the maintenance of the table already validates the sub-location on the Home Department.

Error report 1954 references this program. However, since the validation of the sub-location will be removed this error report need not be addressed.

PPP995

PPP995 is the program that performs the update of the sub-location on the employee appointment. This is a “run as needed” program to insure that the sub-location on the appointment is valid based upon the department on the appointment. Currently the valid values for sub-location are hard-coded in the program.

This program will be changed to use the new module PPSUBLED to validate the sub-location. It was also changed to correct the page number on the report, Error Report 1965.

PPSUBLED - new

PPSUBLED will be used for the validation of the sub-location. The valid values are campus specific and will be added to copy member CPWSXIDC. This will remove the previous limitation of four that were hard-coded in the programs.

See **new** copy member CPLNKLED for the description of the linkage between the above program and any programs that will call this program.

See **modified** copy member CPWSXIDC for the new sub-location field with 88 level values that will be campus specific.

PPTCTSP2

PPTCTSP2 is the stored procedure used to obtain step based rates. In a prior release, it was converted to a **DB2** program in order to read the CCR table. This was necessary in determining which sub-locations to be used in establishing a subscript for data returned from PPTCTUTL.

This program no longer requires the use of the CCR table since PPTCTUTL will process only one sub-location instead of four. Therefore, all code making it a **DB2** program will be removed and references to data returned from PPTCTUTL will have one less subscript.

PPTCTSP5

PPTCTSP5 is the stored procedure used to obtain open range based rates. In a prior release, it was converted to a **DB2** program in order to read the CCR table. This was necessary in determining which sub-locations to be used in establishing a subscript for data returned from PPTCTUTL.

This program no longer requires the use of the CCR table since PPTCTUTL will process only one sub-location instead of four. Therefore, all code making it a **DB2** program will be removed and references to data returned from PPTCTUTL will have one less subscript.

PPTCTUTL

PPTCTUTL is the utility program used to access the Title Code Tables in PPS. This program is used for title code verification and to obtain pay rates. It was originally written to build a table of title code information for four sub-locations.

It will be modified to process only one sub-location at a time. The logic used to revert to the default “***” when the specified sub-location cannot be found or when no sub-location is specified will remain the same.

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In reference to error report 1956, the program will be corrected by changing code so that the sub-location specified in a DB2 Select defaults to GN or ** when the specified sub-location is not found.

The code to process an A & PS request will be removed. It is obsolete.

Copymembers

CPLNKLED - new

CPLNKLED will define the linkage between the new sub-location edit program, PPSUBLED, and any program that calls it to validate a sub-location value. The two fields in the copy member are:

SUBEDIT-SUB-LOCATION	PIC X (02).
SUBEDIT-VALID-SW	PIC X.

CPLNKTCL

CPLNKTCL defines the linkage for the utility program PPTCTUTL. The sub-location level of information will be changed to occur only once for a specified title as opposed to four occurrences. This will remove the limit of four sub-locations.

CPWSXIDC

CPWSXIDC defines Installation Dependent Constants . It will be modified to add the new sub-location field with 88 level values that will be campus specific. The new field is:

01 IDC-SUB-LOCATION	PIC X(02).
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Bind Members

Plan Bind PPP080 (changed)

This plan bind member was changed to remove program PPEC051 since that program is not a DB2 program.

Plan Bind PPP120 (changed)

This plan bind member was changed to remove program PPEC051 since that program is not called by PPP120 and is not a DB2 program.

Obsolete Objects

The following DB2 packages are obsolete.

Package Bind PPEC051

Package Bind PPTCTSP2

Package Bind PPTCTSP5