Release 1376

Service Request 17461
Sub-Location Functionality in PPS

Test Plan

Document Number testplan.doc
10/29/2001 10:20 AM
Phillip Thompson

Information Systems & Computing
Office of the President
University of California
TABLE LOADS ................................................................................................................................. 5
RUN150 ........................................................................................................................................ 5
LOADCTL ...................................................................................................................................... 5
LOADCDB ...................................................................................................................................... 5
LOADEDDB .................................................................................................................................... 5
LOADHDB ....................................................................................................................................... 6
LOADHDE ....................................................................................................................................... 6
LOADRPG ....................................................................................................................................... 6
LOADPAR ....................................................................................................................................... 6

CONTROL DATABASE UPDATE ................................................................................................... 8
RUN010 ........................................................................................................................................... 8
RUN851 ........................................................................................................................................... 8
RUN741 ........................................................................................................................................... 8
RUN004 .......................................................................................................................................... 9
RUN635 .......................................................................................................................................... 10

INITIAL EDB SUB-LOCATION UPDATE ..................................................................................... 11
RUNIVRA ......................................................................................................................................... 11
RUN995 .......................................................................................................................................... 11
RUN742 .......................................................................................................................................... 13
RUNIVRB ....................................................................................................................................... 13

COMPUTE PROCESS ..................................................................................................................... 14
LOADTCT ........................................................................................................................................ 14
UNLDCTL ........................................................................................................................................ 14
<table>
<thead>
<tr>
<th>Sub-Location Functionality in PPS Test Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/29/2001 10:20 AM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Function</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNLDEDB</td>
<td>14</td>
</tr>
<tr>
<td>COMSEPB1</td>
<td>14</td>
</tr>
<tr>
<td>COMSEPB2</td>
<td>17</td>
</tr>
<tr>
<td>COMSEPB3</td>
<td>17</td>
</tr>
<tr>
<td>COMSEPB4</td>
<td>17</td>
</tr>
<tr>
<td>PAR PROCESSES</td>
<td>18</td>
</tr>
<tr>
<td>RUNPARS</td>
<td>18</td>
</tr>
<tr>
<td>EXPENSE DISTRIBUTION</td>
<td>19</td>
</tr>
<tr>
<td>RUNEXP</td>
<td>19</td>
</tr>
<tr>
<td>PAYSCALE FILE MAINTENANCE</td>
<td>20</td>
</tr>
<tr>
<td>PAYSCALE</td>
<td>20</td>
</tr>
<tr>
<td>RANGE ADJUSTMENT</td>
<td>22</td>
</tr>
<tr>
<td>RANGE</td>
<td>22</td>
</tr>
<tr>
<td>EDB FILE MAINTENANCE</td>
<td>25</td>
</tr>
<tr>
<td>RUNFM</td>
<td>25</td>
</tr>
<tr>
<td>MERIT</td>
<td>26</td>
</tr>
<tr>
<td>MERIT MATCH FILES AND RETRO PROCESS</td>
<td>27</td>
</tr>
<tr>
<td>RETRO</td>
<td>27</td>
</tr>
<tr>
<td>ONLINE</td>
<td>30</td>
</tr>
<tr>
<td>Screen Changes</td>
<td>30</td>
</tr>
<tr>
<td>ORCA</td>
<td>30</td>
</tr>
<tr>
<td>Rush Checks</td>
<td>31</td>
</tr>
<tr>
<td>EDB Update</td>
<td>31</td>
</tr>
</tbody>
</table>
Table Loads

RUN150

This job loads the VSAM CTL. It already contains all the release table updates that apply to tables on the VSAM CTL. System Parameter 263 is set to 1.

The Home Department table (PPPHME) does not contain sub-location values.

Confirm the job ran to successful completion.

LOADCTL

This job loads the DB2 CTL. It already contains all the release table updates that apply to tables on the VSAM CTL. In addition it contains the Code Translations and Data Element to Screens updates from this release. System Parameter 263 is set to 1.

The Home Department table (PPPHME) contains the release DDL changes but does not contain sub-location values.

Confirm the job ran to successful completion.

LOADCDB

This job loads the DB2 CDB.

The Home Department table (PPPHMEH) has the release DDL changes but the Home Department sub-location column does not contain sub-location values.

Confirm the job ran to successful completion.

LOADEDDB

This job loads the DB2 EDB.

The Appointment table (PPPAPP) has the release DDL changes but the appointment sub-location column does not contain sub-location values.

Confirm the job ran to successful completion.
LOADHDB

This job loads the DB2 HDB.

The Appointment History table (PPAPN) has the release DDL changes but the appointment sub-location column does not contain sub-location values.

Confirm the job ran to successful completion.

LOADHDE

This job adds a row in RESUME mode for appointment sub-location DE 2009. The data element has been added for the PPAPN table.

Confirm the job ran to successful completion and that one row was added.

LOADRPG

This job loads four tables into the DB2 PCD for the Retroactive process.

Two records for Process ID “2001 SUB” were loaded into the PPPRPG table.

The Retroactive Rate History table has the release DDL changes but does not contain any data. The PPPRRA table is empty also.

The Prior Period Table PPPRP is loaded with one row. Confirm the job ran to successful completion.

LOADPAR

This job “loads” the DB2 PAR.

Control Number conflict can affect DB2 PAR processing. This job loads a mostly empty PAR to ensure that later PPP465 processing does not run into problems. If testing with a more consistent EDB, Compute and PAR process, this step can be ignored.

Confirm the job ran to successful completion.
Control Database Update

RUN010

The first job in the Load Tables step loaded the VSAM CTL.

PPP010 updates the VSAM Home Department table with sub-locations. In addition, default Home Department 999999 was added.

The modified Home update transaction is defined by modified form UPAY552.

The PPP0100 report (included in REPORTS(PPP0111)) shows the action taken with the transactions. One transaction was rejected due to an invalid sub-location value. All the others were accepted, including the Add of department 999999.

The PPP0111 report displays the resulting Home department table. The translations of the sub-location codes, rather than the codes themselves, are displayed. For example Home Department 801001 Surgical Museum was updated with a GN sub-location; the report displays General Campus.

RUN851

PPP851 updates the DB2 PPPHME Home Department table from the VSAM Home Department table. A SPUFI list of the PPPHME table displays the results. All rows should contain the updated sub-location values.

RUN741

Sub-Location has been included in CTL History (CDB) on the PPPHMEH table. PPP741 updates various tables on the CDB. A SPUFI list displays the results of the PPPHMEH table. The previous rows have blank sub-locations, except for new department 999999. Now all the most recent rows should have the appropriate sub-locations values.

The PPP7411 report shows that 17 records were added, the same number as PPPHME rows that were updated via PPP010 and PPP851. The SPUFI list shows the entries with the valid sub-location values in the HME_SUB_LOCATION column. Department 999999 has been added.
PPP004 updates the various Title Code Tables (TCT) from TCS generated transactions. Due to inconsistencies between effective date handling in TCS and TCT some changes needed to be made in handling rate transactions when a sub-location is converted from the ** default sub-location to specific sub-locations.

This job processes an update transaction file which includes the conversion of some Title Codes to specific sub-locations, and also in one case continues to process with the ** default. Note that TCS by design will never have a Title Code with both default and specific sub-locations. However, when converted to specific sub-location, it may not have entries for all four valid sub-locations.

Two SPUFI lists show the occurrences for certain Title Codes on the PPPTGB and PPPTSL tables prior to the PPP004 update. All the entries contain the default ** sub-location.

The transaction file contains specific sub-location rate entries for 4610 and 5542. It contains a ** entry for 6101. These are on the PPPTGB table list.

The transaction file contains specific sub-location rate entries for 4021 and 4417. These are on the PPPTSL table list.

PPP004 was run in update mode. The PPP0100 displays all the transactions and the action taken. Confirm (at the bottom of the report) that none of the transactions were rejected.

Two more SPUFI lists show the occurrences for the same test Title Codes on the PPPTGB (Grade Based Titles) and PPPTSL (Step Based Titles) tables after the PPP004 update.

The 4610 and 5542 default entries on the PPPTGB no longer exist. 4610 has been replaced with a GN entry. 5542 now has GN, MD and OP entries. When full PPS sub-location processing is occurring, appointment sub-locations will require an exact match to the sub-location entries. For example, a Time on Call (TOC) pay transaction for 4610 would only be accepted for an employee appointment with a GN sub-location.

Title Code 6101 still has default entries, with a new row for Covered now added. Even during full PPS sub-location processing, not all Title Codes will be converted to specific sub-locations. In such cases, any appointment sub-location will be mapped to the default rates. Thus if 6101 had TOC rates, a pay transaction with any sub-location would be accepted.
On the PPPTSL list the default entries for 4021 and 4417 have been replaced by GN and GN, MD, OP entries respectively. Again, exact mapping will now be required for these Title Codes during rate lookup.

**RUN635**

PPP635 creates an Affirmative Action report file. Sub-location is not included in the file. However PPTCTUTL is called to obtain minimum and maximum rates, which are on the file.

The minimum/maximum rate logic in PPTCTUTL has been modified to not use the default sub-location since it obtains the minimum and maximum across all sub-locations. It also has changed the XTCL function from XTCL-FRAME-REGULAR-RATE to XTCL-READ-ABS-MIN-MAX.

Title Code rate minimum/maximums can be checked on the PPP00433 report produced in RUN004.

A truncated list of the output records is produced. The first employee record (record two) is for Employee ID 000000001 and Title Code 0001. The following rates are listed on the PPP00433 report, which are taken from the PPPSGT Grade table:

<table>
<thead>
<tr>
<th>GRADE TYPE</th>
<th>GRADE</th>
<th>MINIMUM</th>
<th>MIDPOINT</th>
<th>MAXIMUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS</td>
<td>A</td>
<td>80,100.0000</td>
<td>104,100.0000</td>
<td>128,200.0000</td>
</tr>
<tr>
<td>SS</td>
<td>B</td>
<td>88,200.0000</td>
<td>114,600.0000</td>
<td>141,100.0000</td>
</tr>
<tr>
<td>SS</td>
<td>C</td>
<td>96,900.0000</td>
<td>126,000.0000</td>
<td>155,000.0000</td>
</tr>
<tr>
<td>SS</td>
<td>D</td>
<td>106,600.0000</td>
<td>138,600.0000</td>
<td>170,600.0000</td>
</tr>
<tr>
<td>SS</td>
<td>E</td>
<td>130,600.0000</td>
<td>195,900.0000</td>
<td>261,200.0000</td>
</tr>
</tbody>
</table>

On the record 00801000000 can be found in cc 127-137, and 02612000000 in cc 138-148. The respective calculated monthly rates are in cc 149-159 and cc 160-170 (see XWFA-EMPLOYEE-REC in PPP635).

Record 8 for Employee ID 000050008 is for Title Code 0767, which used MS Grade Type. The rates on the record again conform to the minimum and maximums displayed on the PPP00433 report.
Initial EDB Sub-Location Update

The initially loaded EDB and HDB contain the new sub-location columns, but initially they contain spaces. As long as a campus is not using full PS sub-location processing, i.e. System Parameter 263 = 0 and only default ** sub-locations exist on TCS and TCT, the appointment sub-location will remain blank. The Title Code Table utility program will use the default sub-location value when a blank sub-location is passed in for Title Code processing.

However, once a campus decides to convert even one Title Code to specific sub-location rates, certain steps must be taken. One, the Home Department table must be completely updated with valid sub-locations. Second, System Parameter 263 must be set to 1 (one). And third, PPP995 must be run to update the appointment sub-location by using the appointment department to access the Home department table.

RUNIVRA

The IVR process now contains an appointment file as of Release 1372. Appointment sub-location was provided for on the file in that release but it only contained spaces. As of this release PPIIVR will now access the appointment sub-location on the Appointment table. A change in its value by PPP995 will trigger an IVR appointment update record. In the Installation Instructions a note asks that this process be coordinated with UCOP so that the large file of appointment updates is expected.

PPIIVR in this job is run in full file mode, i.e. completely new employee, dependent, deduction and appointment history and update files will be created.

The PPIIVR1 report shows the record counts for the History and Update files.

The FileAid dump of the first ten Appointment History records shows that the sub-locations in cc 127-128 are blank.

The FileAid dump of the first ten Appointment Update records shows that the sub-locations in cc 128-129 are blank.

RUN995

New program PPP995 reads the EDB and the DB2 Home Department table to update the sub-location on the appointment rows.
It can be run in non-update or update mode. In update mode, it can run in non-update or warning mode for appointments with conflicting distributions, i.e. the FAU defined department does not match the appointment department. It will not process in update mode until System Parameter 263 is set to 1, and all the Home Departments on the DB2 Home Department table have valid sub-locations.

The results provided are for a full update run.

The first PPP2501 report displays ID 000000001. DE 2009, still blank, is not reported for appointment 10, nor DE 2309 for appointment 20.

The PPP9953 report displays the Program Run Specification record and the requested options. See new form UPAY905 for the layout of the Program Run Specification record. Message 99-505 shows that the EDB update mode has been selected. Message 99-508 shows that updates will occur with a warning message for distributions in conflict. Message 99-511 shows the sort order of the PPP9951 report.

The PPP9952 report displays the conflicting distributions. On page 2 it displays counts for the process, including the number of EDB Change File records produced for appointment sub-location changes. Note that for each employee that has a sub-location change two additional ECF records are written for Employee Changed At and Employee Changed By fields, which record the last change for the employee. This is needed, minimally, for PPIIVR processing.

The PPP9951 report displays the results of the updates. Note that academic titles, such as 1100 for ID 000000001 for Appointment 10 are not reported as changed (see PPP2501 after PPP995). That is because academic titles do not have sub-location functionality. The TCT entries do not have sub-location, and appointment sub-location for those titles is left blank.

The PPP1800 report displays the contents of the ECF. The sub-location changes should match the PPP9951 report. All appointments with a non-academic Title Code and a valid appointment department, i.e. it exists on the PPHME table, should be updated.

The second PPP2501 report displays the results for ID 000000001. DE 2009 for the academic appointment, still blank, is not reported for appointment 10. DE 2309 is reported for appointment 20.
Appointment sub-location has been added to the HDB. The PPPHDE table was updated to define the new DE 2009 on the PPPAPN table. The EDB Change File from PPP995 must be run through PPP742.

The PPP7421 report displays the audit of the update. The number of updates reported for APPT_SUB_LOCATION matches the ECF output count from PPP995.

The SPUFI list shows the results on the PPPAPN table. Again note that no update occurred for appointment 10 for 000000001, but appointment 20 was updated. The number of updated rows listed equals the ECF count.

PPIIIVR in this job is run in Change mode. New History and update records should be created for employees with changed data. In this case the Employee Change At timestamp updated by PPP995 should trigger an investigation of any employee that was updated with a new sub-location by PPP995. The IVR Appointment History and Update files should reflect the changes.

The PPIIIVR1 report shows the record counts for the History and Update files. The count of appointment changes, 299, does not match the count out of PPP995. This is because some EDB records were rejected for IVR, e.g. Employee ID’s with duplicate SSN’s cannot be loaded to IVR because SSN is a key field.

The FileAid dump of the first ten Appointment History records shows that the sub-locations in cc 127-128 now contain sub-location values.

The FileAid dump of the first ten Appointment Update records shows that the sub-locations in cc 128-129 now contain sub-location values.

NOTE: a further test (not provided) can be performed to check the ongoing PPP995 process. Change a Home Department sub-location on the PPPHME table, for example 861001. Then rerun PPP995. Only those ID’s with appointment department 861001 should appear on the PPP9951 report, the ECF, and subsequent PPIIIVR appointment change file.
Compute Process

LOADTCT

This job loads the TCT tables of the DB2 CTL with new data for the following testing.

Confirm the job ran to successful completion.

UNLDCTL

This job unloads the DB2 CTL so that further testing can be repeated without redoing the previous steps. It contains the changes from LOADTCT.

Confirm the job ran to successful completion.

UNLDEDB

This job unloads the EDB so that further testing can be repeated without redoing the previous steps.

Confirm the job ran to successful completion.

COMSEPB1

This and the following Compute jobs run the September 2001 B1, B2, B1 and MO Computes. The PPP360 edit process calls the same edit module PPEDTPAY which is called during online THF pay transaction editing. Online and batch edit results should be the same. PPP360 and PPP390 both call TCT utility program PPTCTUTL from sub-modules to obtain TOC rates, and other TCT data. Both PPP360 and PPP390 processes have been coded to always use the pay transaction FAU to derive department and then sub-location, regardless of whether or not the distribution has been entered on the transaction.

Two input transaction files of AP and TE/TX transactions with TOC entries are read. A SPUFI list of PPPTOR rows for the CARDEXP2(SEPB1AP) title codes has been provided. The PPPTOR table provides TOC rates.

PPP3601 Error Correction Report displays the edit warnings and rejections.
AP Transactions

ID 000050003
Three transactions are coded for Title Code 4008, which has COV and UNC GN entries on the PPPTOR table.
FAU 3404918 19900 1 on two transactions derives to MD and thus they are rejected, even though one transaction has the distribution 41 entered on the transaction which points to appointment 40 and sub-location GN.
FAU 3427701 63000 1 derives to GN, and is accepted, i.e. does not appear on the report.

ID 000050012
Two transactions are coded for Title Code 4021, which has COV and UNC AG entries on the PPPTOR table.
FAU 3427701 63000 1 derives to GN and thus it is rejected.
FAU 3404902 19900 1 derives to AG and is accepted, i.e. does not appear on the report.

ID 000050014
A transaction is coded for Title Code 4724, which has COV MD entries on the PPPTOR table.
FAU 3404918 19900 1 derives to MD ok but the Rep Code is U, and thus it is rejected.

ID 000050015
A transaction is coded for Title Code 4724, which has COV MD entries on the PPPTOR table.
FAU 3404918 19900 1 derives to MD ok but the Rep Code is S, and thus it is rejected.

ID 000050019
A transaction is coded for Title Code 4724, which has COV MD entries on the PPPTOR table.
FAU 3404918 19900 1 derives to MD ok and the Rep Code is C so it is accepted.

ID 000050020
A transaction is coded for Title Code 4724, which has COV MD entries on the PPPTOR table.
FAU 3427701 63000 1 derives to GN and thus it is rejected.

TE/TX Transactions

ID 000050022
A transaction is coded for Title Code 7616, which has no entries on the PPPTOR table. The transaction is rejected.

ID 000050036
A transaction is coded for Title Code 9500, which has no entries on the PPPTOR table. The transaction is rejected.

ID 000050039
Two transactions are coded for Title Code 9119, which has default entries on the PPPTOR table. Any derived sub-location is ok, so the transactions are accepted.

ID 000050043
A transaction is coded for Title Code 5323, which has COV and UNC AG and GN entries on the PPPTOR table.
FAU 3726301 19900 1 derives to AG and thus it is accepted.

ID 000050064
Two transactions are coded for Title Code 9119, which has default entries on the PPPTOR table. There are two different FAU’s, but derived sub-location is ok, so the transactions are accepted.

ID 000050067
A transaction is coded for Title Code 5326, which has no entries on the PPPTOR table. The transaction is rejected.

ID 000050105
A transaction is coded for Title Code 6733, which has no entries on the PPPTOR table. The transaction is rejected.

ID 000050117
A transaction is coded for Title Code 0767, which has no entries on the PPPTOR table. The transaction is rejected.

Sub-location is displayed on the PPP4401 report. In each case it should reflect the sub-location appropriate for the FAU. For AU transactions the data should be obtained from the EDB. For the AP transactions that passed the PPP360 edit, the sub-location can differ, though not necessarily, when the transaction FAU differs from the distribution FAU. Confirm that the sub-locations appear on the report.
For example ID 000050003 had one accepted AP transaction. It has a Title Code 4008 and GN sub-location. The TOC rate for Title Code 4008 GN Uncovered is 25%. The rate displayed is $10.00, so the TOC rate is $2.50. This TOC rate times the 13 TOC hours results in $32.50, the displayed gross for the TOC entry.

For ID 000050012 the AP transaction derived to a different sub-location that the EDB appointment for the employee. The AP transaction, including the TOC portion, displays the AG sub-location. The AU transaction, from the EDB, displays the GN sub-location.

**COMSEPB2**
**COMSEPB3**
**COMSEPB4**

These three jobs perform the other Computes for September, with similar results.

Note that on the PPP4401 report out of the Monthly Compute that the sub-location field is blank for the AU transaction for ID 000050080 and Title Code 1100, which is an academic title.
PAR Processes

RUNPARS

PPP460

PPP460 merges the individual PAR’s into a monthly PAR file. It should carry forward the sub-location data, which can be confirmed in the following jobs.

PPP465

PPP465 loads the DB2 PAR from the flat file PAR. The sub-location has been added to the DB2 PAR Earnings (PPPERN) table. The results can be confirmed during the online testing via the IERN screen. A SPUFI list of the B1 entries on the PPPERN table is also provided.

PPP470

PPP470 reports Record of Earnings. The PPP4701 report displays the sub-location similarly to PPP4401 report, and should be consistent with that report.

PPP480

PPP480 reports another Record of Earnings. The PPP4801 report displays the sub-location, and should be consistent with the PPP4401 report.
Expense Distribution

RUNEXP

Sub-location has been added to the Expense Distribution Work file. It is moved from the PAR file to the EDW. It is not used or displayed in PPP500, PPP520 or PPP530. It is displayed by PPP532 in the PPP5321 report. The merged September PAR from RUNPARS serves as input.

PPP500
PPP520
PPP530

A FileAid partial list of the EDW shows the sub-location field included. The ID is in cc 96-104. The sub-location is in the last two columns.

Record 5 for an academic tile has a blank sub-location. The following record, and others, contains sub-location values.

PPP532

Most typical would be that Faculty Summer Salary DOS codes would only be used for academic titles. However, it is possible to set up a FSS DOS code with a non-academic title. In the B1 AP transaction list the final AP transaction was for ID 000050045. The Title Code was 4008, non-academic, and the DOS code was SMN.

The entry for ID 000050045 displays the appropriate sub-location GN for the FAU on the AP transaction.
PAYSCALE File Maintenance

PAYSCALE

Sub-location has been added to the Pay Scale file coming out of TCS for the Range Adjustment process. These jobs test the new format in PPP900 which loads the released TCS flat file into the VSAM Pay Scale file used by the Range Adjustment (and Retro Range) processes.

The following process requires two copies of the Pay Scale VSAM file for the update testing.

PPP900A

A list of TCS range transactions containing sub-locations in cc 6-7 is displayed. It was read by PPP900 in Replacement mode.

The PPP9003 control report shows the audit results. A new master file was created containing 41 pay rate adjustment records. This is two less than the input file. One record in the file is a header record. One record was rejected (see “1 SYNTAX/VALUE ERRORS”).

The PPP9001 report displays the error on the first page. While TCS obviously should not make this sort of error, this edit stops incorrect sub-location values. An invalid value is rejected. The valid values are GN, MD, OP, AG, ** and spaces (academic title codes contain spaces since sub-location does not apply to academic titles).

The PPP9001 report also shows the accepted transactions. The sub-location follows the Title Code. A separate entry (see Title Code 8166) is displayed for each Title Code/sub-location/Coverage combination.

PPP900B

This job runs PPP900 in update mode. Two files, one a rate adjustment update and one a campus report-only file, are read in.

The update file contains three records, an Add, Change and Delete. Note that the latter two are for the same Title Code but different sub-locations.

The campus report only file contains two records. The first record is for a single Title Code 8156 with sub-location GN. The second is a Title Code range 8156 to 8208 for sub-location MD.
Again the PPP9003 control report shows the audit results.

The PPP9001 report shows the update results. The three update transactions are marked as TRANSACTION PROCESSED.

The PPP9004 report shows the results of the campus transactions. The range has been blown out to encompass the Title Codes in the range. There are two entries for 8156, the GN from the first transaction, and the MD from the range transaction.

**PPP900C**

This job runs PPP900 in report mode.

The PPP9002 report shows that the added rate for 8164 MD has been accepted, and the monthly maximum new pay updated appropriately.

The PPP9002 report shows that the deleted rate for 8166 MD has been accepted and the bi-weekly maximum new pay updated appropriately.

The PPP9002 report shows that the changed rate for 8166 OP has been accepted, and the monthly maximum new pay updated appropriately.

The PPP004 report displays the report only entries.
Range Adjustment

PPP910 reads the EDB and Pay Scale table and generates reports of selected employees. It attempts to match appointment/distribution date to the Pay Scale file based on Title Code, Sub-Location, Coverage Code, RDUC, Rate Type and Old Rate.

If a campus is not using sub-location all the Pay Scale entries will contain ** in the sub-location. Once a campus converts to using sub-location, a mix of some titles with ** and others with specific sub-locations can occur on the same Pay Scale file. PPP910 passes the appointment sub-location to program PPIRANGE which actually accesses the Pay Scale file. PPIRANGE has been modified to check if an ** entry exists for a Title Code. If so, then ** is used in place of the passed sub-location in file processing. If an ** entry does not exist the passed sub-location is used.

PPP900D
PPP900E

The first step loads another Pay Scale flat file via PPP900 in Replacement mode. Then PPP900 is run again in report mode.

The PPP9002 report from PPP900E show the entries for Title Codes discussed in the following PPP910 testing.

Note, for example, that Title Code 0001 only has ** entries, one rate for Covered and another for Uncovered. Title Code 0767, on the other hand, has specific sub-location entries for GN and MD.

PPP910A

PPP910 was run in preliminary mode. This phase performs the Pay Scale lookup.

The PPP9101 report shows the audit totals.

The PPP9102 report displays the matched/accepted entries. The sub-location is now printed below the Title Code.

Title Code 0001 has two ** entries. The passed in sub-location should be ignored. ID 000000001 correctly finds the ** uncovered new rate of 26000.00. Id 999888103 correctly finds the ** covered new rate of 32000.
Title Code 0767 has specific sub-location entries GN and MD, both uncovered. The passed in sub-location should be used.
ID 000050008 matches a GN Hourly rate to get the correct new rate of 0.4000.
ID 000050117 matches a GN Bi-weekly rate to get the correct new rate of 6941.0000.
ID 888000152 matches a MD Monthly rate to get the correct new rate of 2247.00.
ID 888000153 matches a MD Hourly rate to get the correct new rate of 15.2100.
However, checking the PPP9105 report shows that ID 888000307 was rejected for a non-match. Though the old rate of 2413.38 is found under both GN and MD, the sub-location for 888000307 is AG. This it does not match. The message text for 91-703 has been modified to include “sub” as one possible mismatch for a Title Code that does have entries.

Title Code 4722 has specific sub-location entries. GN is covered, MD is covered and uncovered.
ID 000050029 matches the MD covered Monthly rate and gets the correct new rate of 2800.0000.
ID 000050128, with the same old rate, matches the GN covered Monthly rate and gets the new rate of 2900.0000.
ID 777555053 is GN Monthly Covered. Its old rate of 3600.00 does not match an old rate, however because there are GN, Monthly, Covered rates, extended logic is applied. Because its old rate exceeds the old maximum, the new rate is set to the new maximum of 3628.3700. It is also reported on the PPP9108 report, however, so that the condition is noted.
Similar maximum logic occurs for ID 888000158 while processing MD, Hourly, Uncovered against a table entry for ** default values.

PPP910B

PPP910 then runs in Final mode, creating the EDB transactions and costing transactions. These transactions are not changed, however testing was performed (not provided) in EDB File Maintenance and costing to confirm the results.

PPP920

PPP920 updates the time file out of PPP300 with the new rates, where appropriate, in a process similar to PPP910.

The PPP9202 report is the TIME SHEET RATE ADJUSTMENT AUDIT REPORT, which shows adjustments and non-matching conditions.
ID 000050029, which also appeared on the PPP9102 report, appears here with the new rate 2800.00. Other examples exist as well.
EDB File Maintenance

RUNFM

This job updates the EDB with the new distribution rates out of PPP910.

Confirm the job ran successfully. Specifically check that ID 000050029 has a new distribution 12 with a rate of 2800.00.
Merit

PPP670, per the Run Specification Record, produces a Merit Eligibility Roster. That roster report is used as a turnaround document for keying M1 transactions for input to PPP680. PPP680 creates EDB update transactions, costing transactions and the Merit file.

This process does not use sub-location. However, this process has been modified to carry the sub-location values forward through the process. Eventually sub-location is added to the Retroactive Rate History table, and will be used in the retroactive process.

PPP670

PPP670 was run requesting a PSS Merit Eligibility Roster.

The PPP6702 report contains the eligibility roster. Sub-location is not displayed.

PPP680

PPP680 processes transactions keyed from the PPP6702 data. It has been modified to move the appointment sub-location to the output Merit file.

The PPP680 report shows the results. Seven M1 transactions were read in. The EDB and cost transactions were created, which are not affected by sub-location. They can be run through EDB File Maintenance and costing functions to ensure they have not been affected.

Seven records were written to the Merit Data Records. This file is input via PPP685 to the Merit Match process for retroactive processing. The sub-location has been added to this record in cc 40-41.
Merit Match Files and Retro Process

RETRO

For a Merit process PPP680 creates EDB update transactions, costing transactions and the Merit file. If Retroactive processing is needed, then Merit Match file processing is required. PPP685 reads the PPP680 Merit file and creates the Merit Match file. This in turn is read into PPP686 which updates the Retroactive Rate History (RRH) table for use in the retroactive Merit process.

For Range processing an extra step is required. PPP684 reads the Final transaction file out of PPP910 (from records with selected message values (01 and 07 are defaults)) and creates a facsimile Merit file. This file is then also read by PPP685, and then onward to PPP686 for use in the retroactive Range process.

In the case of a Multiple Merit/Range Retro, both paths are used.

This process has been modified to carry the sub-location values forward through the process and add it to the RRH table. Eventually sub-location will be used in the RRH rate matching process. As of this release this functionality does not exist.

PPP684

PPP684 runs with the Final file out of PPP910, and converts it into a facsimile Merit file.

The PPP6841 report shows that twenty-six Rate Records were written. This matches the accepted records displayed on the PPP9102 report included in the Range Adjustment testing.

PPP685A

PPP685 reads the Merit facsimile file out of PPP684.

The PPP6851 report shows that 24 Merit Match records were written. The report displays the sub-location, which should match the PPP9102 report.

The PPP6852 and PPP6853 reports this time show that two duplicate records were rejected. These are the two records each for Employee ID’s 000000001 and 000050047, as shown on the PPP9102 report. Only a single version of each is needed for the Retroactive process.

The PPP6853 report shows that 24 Merit Match records were written.
PPP685B

PPP685 then runs with the Merit file out of PPP680 of the Merit process.

The PPP6851 report shows that 7 Merit Match records were written. The report displays the sub-location, which should match the Merit file listing out of PPP680.

The PPP6852 report shows that there were no exceptions.

The PPP6853 report shows that 7 Merit Match records were written.

PPP686A

PPP686 runs with the Merit Match files out of PPP685 to load the Retroactive Rate History (RRH) table. PPP686A runs with the file originating in the Range process.

The PPP6861 report shows that 24 Merit records were read, and 24 RRH rows inserted.

PPP686B

PPP686B runs with the file originating in the Merit process.

The PPP6861 report shows that 7 Merit records were read, and 7 RRH rows inserted.

A SPUFI list run after PPP686B shows the contents of the RRH table. There are 24 rows with RRH_PROCESS_ID 0100, and 7 rows with RRH_PROCESS_ID 0200. The RRH has established a rate change progression, starting with the 0100 rates and moving up to the 0200 rates (where an ID exists in both events).

PPP930

PPP930 was then run in a Multi Retro Merit mode, processing RRH_PROCESS_ID 0200. It reads the September merged PAR file, which has pay period end dates within the range defined on the loaded PPPPRP table.

Since the Process ID is 0200, the PPIMULTI program will need to walk through the PPPRRH entries for some cases in order to get the original rate to match against the PAR.

For example ID 000050029 was range adjusted in the Range process. EDB File Maintenance established distribution 12 with a new rate of 2800.00, up from the old rate of 2287.00. Both distributions were reported in the Merit process on the PPP6702 report. An M1 transaction was processed by PPP680 with still another new rate of 3000.00. That
is, the employee was first range adjusted and then got a merit. PPP930 should match the PAR and work up towards the 3000.00 rate.

Employee ID had two M1 transactions as well. The first for distribution 12 is on top of a range adjustment; the second for distribution 21 and Title Code 8846 is the first action against that distribution.

**PPP940**

PPP940 reads a report file out of PPP930.

The PPP9405 report (written to DD PPP9407) shows that some Employee ID’s from the Merit process were found on the processed PAR file and correctly found the new rates from the RRH table.

ID 000050029 shows an entry with an old rate of 2800.00 and a new rate of 3000.00.

ID 000050128 shows two entries. Title Code 8846 only had merit activity, so the old rate 2475.00 matches directly against the PAR and a new rate of 2600.00 is established. However, note that the other entry for Title Code 8846 on the PAR was not Merit adjusted, so the RRH entry for 8846 does not match on rate. That PAR record is reported on the PPP9404 report.

Title Code 4722 had a new rate of 2900.00 established in the Range process, so the Process ID entry 0100 old rate is matched against the PAR, and then the linked 0200 old and new rates are used in the PPP9405 report.
Screen Changes

The screen processing programs and maps for the following online functions have been modified to display sub-location. With the exception of the IAPN function, the sub-location is only displayed when System Parameter 263 = 1, i.e. full PPS sub-location functionality has been turned on.

In most cases some movement of data fields, and therefore screen anchors, has occurred. New field level help text for DE 2009 appointment sub-location and DE 4025 PAR Earnings sub-location has been anchored. Confirm that the sub-location data and label appears on the screen, and that the Help text is properly anchored. In some screen level help text the sub-location label has been added to the highly abbreviated list. DE 2009 Help text has been anchored to all screens except IERN, which uses PAR 4025.

<table>
<thead>
<tr>
<th>Function</th>
<th>Sub-Location Source</th>
<th>Screen text modified</th>
<th>Sub-Location code translated</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAPC</td>
<td>EDB PPPAPP</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>EAPP</td>
<td>EDB PPPAPP</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>ECFL</td>
<td>EDB PPPAPP</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>IAPP</td>
<td>EDB PPPAPP</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>IAPS</td>
<td>EDB PPPAPP</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>IAPT</td>
<td>EDB PPPAPP</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>IAPN</td>
<td>HDB PPPAPN</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>HADC</td>
<td>HDB PPPAPN</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>HADF</td>
<td>HDB PPPAPN</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>HSUM</td>
<td>HDB PPPAPN</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>IERN</td>
<td>PAR PPPERN</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

ORCA

ORCA does not "use" sub-location, but it obtains sub-location from the PPPERN table and prints it on the PPORAUDT1 audit report printed for Overpayments, Cancellations and Reversals. The sub-location is printed on the pay line after the Title Code in a location similar to the PPP4401 report. The reported sub-location should match the PPPERN sub-location, as loaded via PPP465, which is being processed via the ORCA transaction.
Perform the RVSL, OVPY and CNCL functions and confirm that the correct sub-location is printed.

**Rush Checks**

The online Rush Checks OPT1 option uses PPP390-like code in PPRCGRSS to obtain proper TOC rates. As with PPEDTPAY, it is driven by the transaction FAU. Therefore, to test this function it is necessary to know what FAU’s map to which department numbers locally. The sub-location used to obtain rates is derived from the Home Department table.

As with ORCA, the sub-location is printed on the PPRCAUDT1 audit report on the pay line after the Title Code in a location similar to the PPP4401 report.

Title Code 4008 is set up for GN TOC rates. Create an AP transaction using an FAU that maps to a department with an MD sub-location. A rate should not found on the TCT. When a TOC rate is not found, the full rate on the transaction is used, and the full rate is used to calculate the gross.

For the second case use an FAU that derives to a GN sub-location. The TOC entry exists on the PPPTOR table, which is a percentage type rate of 25%. The gross should be calculated as entered rate x .25 x hours.

**EDB Update**

A significant change has been made to EDB maintenance as it applies to edits related to distribution FAU, appointment department, Title Code and the new field sub-location when sub-location functionality is “on.”

It is necessary to know, as with Rush Checks, which local FAU’s map to which department number. The logic that determines which is the “dominant” distribution has not changed. The FAU of the dominant distribution is still used in the Base system to access the Account/Fund Profile to obtain a department number. The change is that now the appointment department number is then used to access the Home department table to obtain a sub-location.

That sub-location is used to update the appointment sub-location.

Before accepting a new sub-location, however, the edit process accesses the TCT with the appointment Title Code and sub-location to determine if the combination is valid. Conversely, if the update has changed the Title Code rather than the sub-location, the same TCT check must occur. Invalid combinations are not allowed.
If a Title Code is an academic title then sub-location does not play a roll in TCT logic. If it is a non-academic Title Code then sub-location does play a roll.

Any given Title Code can be converted to specific sub-locations, while others remain defined only for the default. If the most recent effective date for a Title Code belongs to a row with a default ** sub-location, then specific sub-locations on appointment rows are not used in the TCT search. If the most recent effective date for a Title Code belongs to a row with a specific sub-location, then specific sub-locations on appointment rows are used in the TCT search, and must match exactly.

1. Direct change to Appointment Department inconsistent with dominant Distribution Department is rolled back with no message.

2. If a change to distribution data or addition of a new distribution results in the derivation of a new Appointment Department, this triggers re-derivation of the Appointment Sub-Location. If the Appointment Sub-Location changes, Title Code lookup is triggered. If the Title Code exists (this does not necessarily mean rates exists) for the new sub-location, the update is allowed. If the Title Code does not exist for the new sub-location, an Employee reject level message 08-085 is issued and the update is blocked.

3. If a Title Code is changed, Title Code lookup is triggered. If the Title Code exists (this does not necessarily mean rates exists) for the new sub-location, the update is allowed. If the Title Code does not exist for the new sub-location, an Employee Reject level message 08-085 is issued and the update is blocked.

4. If a non-dominant distribution is added with an FAU that derives to a sub-location inconsistent with the appointment sub-location, Warning level message 08-753 is issued and the update is allowed. Conversely, if a new appointment sub-location is derived and accepted due to other actions, and a non-dominant distribution already exists with an FAU that derives to a sub-location inconsistent with the Appointment Sub-Location, Warning level message 08-753 is issued and the update is allowed.

Test Online EDB Update using either of the modified EAPP, EAPS or EAPT functions. Confirm the edit results.

**THF Pay Transactions**

Pay transaction edit program PPEDTPAY, previously tested via PPP360 in the Compute, is also called online for AP, TE, TX, RX, and LX transactions. As stated before, the
entered FAU on the transaction, not the distribution, controls what sub-location is used in any TCT process. When attempting to enter a Time on Call DOS entry on a pay transaction, the Title Code and sub-location are used to validate the TOC rate. If a rate is not found the transaction is rejected. For Title Codes with only default sub-location any passed sub-location should work.

Use the THF Entry/Update ETAP, ETTE, ETTX and/or ETLR function(s) to confirm the edit results. The COMSEPB1 Compute transactions can be used as examples for the data.